WEBVTT

00:00:00.000 --> 00:00:01.568 Good evening my friends.

00:00:01.568 --> 00:00:03.501 My name is Mark Mercurio.

00:00:03.501 --> 00:00:05.967 I'm the director of the Program

00:00:05.967 --> 00:00:07.988 for Biomedical Ethics at the Yale

00:00:07.990 --> 00:00:10.131 School of Medicine and Welcome to

00:00:10.131 --> 00:00:11.816 our Evening Ethics Seminar series

00:00:11.816 --> 00:00:14.399 in a very special session tonight.

00:00:14.400 --> 00:00:16.855 Doctor Professor Peter Singer from

00:00:16.855 --> 00:00:19.310 Princeton an from Australia and

00:00:19.389 --> 00:00:22.065 coming to us tonight from Australia.

00:00:22.070 --> 00:00:23.495 Tonight's session will be

00:00:23.495 --> 00:00:25.270 moderated by Doctor Sarah Hall.

00:00:25.270 --> 00:00:27.664 Dr Hall is associate director of our

00:00:27.664 --> 00:00:30.238 program and on behalf of Doctor Hull,

NOTE Confidence: 0.848655700683594

00:00:30.240 --> 00:00:31.410 another associate director,

NOTE Confidence: 0.848655700683594

00:00:31.410 --> 00:00:35.045 Jack use an R manager turn cold by I welcome

NOTE Confidence: 0.848655700683594

00:00:35.045 --> 00:00:38.049 you and thank you so much for coming tonight.

NOTE Confidence: 0.848655700683594

00:00:38.050 --> 00:00:40.885 The way these sessions will work is is

NOTE Confidence: 0.848655700683594

00:00:40.885 --> 00:00:43.015 that Sarah will introduce doctor professor,

NOTE Confidence: 0.848655700683594

00:00:43.020 --> 00:00:43.730 singer Ann.

NOTE Confidence: 0.848655700683594

00:00:43.730 --> 00:00:45.860 Professor single will speak for about

NOTE Confidence: 0.848655700683594

00:00:45.860 --> 00:00:48.700 45 minutes, plus or minus a little bit,

NOTE Confidence: 0.848655700683594

00:00:48.700 --> 00:00:52.260 and then they'll be a chance for a Q&A and.

NOTE Confidence: 0.848655700683594

00:00:52.260 --> 00:00:55.525 Doctor Hall will moderate that session,

NOTE Confidence: 0.848655700683594

00:00:55.525 --> 00:00:56.800 so Sarah Hall.

NOTE Confidence: 0.848655700683594

00:00:56.800 --> 00:00:59.350 Receive their education at Harvard and

NOTE Confidence: 0.848655700683594

00:00:59.426 --> 00:01:02.306 then pen and while at Penn getting her MD,

NOTE Confidence: 0.848655700683594

00:01:02.310 --> 00:01:04.934 she also got a Masters degree in bioethics,

NOTE Confidence: 0.848655700683594

00:01:04.940 --> 00:01:07.292 and she came to us at Yale to

NOTE Confidence: 0.848655700683594

00:01:07.292 --> 00:01:09.540 learn how to be a cardiologist.

NOTE Confidence: 0.848655700683594

00:01:09.540 --> 00:01:11.850 And she's now in our cardiology faculty.

NOTE Confidence: 0.848655700683594

00:01:11.850 --> 00:01:13.162 Ann is also service.

NOTE Confidence: 0.848655700683594

00:01:13.162 --> 00:01:13.490 Thankfully,

NOTE Confidence: 0.848655700683594

00:01:13.490 --> 00:01:15.786 as associate director of our program here,

NOTE Confidence: 0.848655700683594

00:01:15.790 --> 00:01:18.246 and is very well known within Yale for

NOTE Confidence: 0.848655700683594

00:01:18.246 --> 00:01:20.729 being one of our most prized teachers.

NOTE Confidence: 0.848655700683594

00:01:20.730 --> 00:01:23.002 And so I'm very happy to turn this

NOTE Confidence: 0.848655700683594

00:01:23.002 --> 00:01:25.128 session over tonight and the introduction

NOTE Confidence: 0.848655700683594

00:01:25.128 --> 00:01:27.372 of Professor Singer turn it over.

NOTE Confidence: 0.848655700683594

00:01:27.380 --> 00:01:30.425 Doctor Sarah Hall Sarah take it away.

NOTE Confidence: 0.848655700683594

00:01:30.430 --> 00:01:32.578 Thank you so much Doctor Mercurio

NOTE Confidence: 0.848655700683594

00:01:32.578 --> 00:01:34.751 and thank you professor Singer for

NOTE Confidence: 0.848655700683594

00:01:34.751 --> 00:01:36.773 coming to speak with us tonight.

NOTE Confidence: 0.848655700683594

00:01:36.780 --> 00:01:39.204 I know I'm not alone in saying that

NOTE Confidence: 0.848655700683594

00:01:39.204 --> 00:01:41.903 the topic that you're going to speak

00:01:41.903 --> 00:01:43.923 about is of incredible importance

00:01:43.997 --> 00:01:46.356 and to have you really lead us

00:01:46.356 --> 00:01:48.132 through this really important work.

00:01:48.132 --> 00:01:50.418 I think we're just really privileged

00:01:50.418 --> 00:01:51.959 and honored to have you.

00:01:51.960 --> 00:01:54.025 So just as a brief introduction for

00:01:54.025 --> 00:01:56.093 those of you who aren't familiar

00:01:56.093 --> 00:01:58.337 with Professor Singer and I assume

00:01:58.337 --> 00:02:00.437 that's a vanishingly small number,

00:02:00.440 --> 00:02:00.730 but.

00:02:00.730 --> 00:02:02.760 Peter Singer is sometimes called the world's

00:02:02.760 --> 00:02:04.229 most influential living philosopher.

00:02:04.230 --> 00:02:06.670 Although he thinks that if that is true,

00:02:06.670 --> 00:02:09.014 it doesn't say much for all the other

00:02:09.014 --> 00:02:10.330 living philosophers around today.

00:02:10.330 --> 00:02:12.178 He has also been called the father

NOTE Confidence: 0.848655700683594

00:02:12.178 --> 00:02:14.288 of the modern Animal Rights movement,

NOTE Confidence: 0.848655700683594

00:02:14.290 --> 00:02:16.341 even though he does not base his

NOTE Confidence: 0.848655700683594

00:02:16.341 --> 00:02:17.650 philosophical views on rights.

NOTE Confidence: 0.848655700683594

00:02:17.650 --> 00:02:19.090 Professor Singer is known especially

NOTE Confidence: 0.848655700683594

00:02:19.090 --> 00:02:21.198 for his work on the ethics of

NOTE Confidence: 0.848655700683594

00:02:21.198 --> 00:02:23.046 our Treatment of Animals and for

NOTE Confidence: 0.848655700683594

00:02:23.046 --> 00:02:24.336 his controversial critique of

NOTE Confidence: 0.848655700683594

00:02:24.336 --> 00:02:25.876 the Sanctity of Life doctrine,

NOTE Confidence: 0.848655700683594

00:02:25.880 --> 00:02:26.229 bioethics,

NOTE Confidence: 0.848655700683594

00:02:26.229 --> 00:02:29.021 as well As for his writings on the

NOTE Confidence: 0.848655700683594

00:02:29.021 --> 00:02:31.112 obligations of the affluent to aid

NOTE Confidence: 0.848655700683594

00:02:31.112 --> 00:02:32.792 those living in extreme poverty.

NOTE Confidence: 0.848655700683594

00:02:32.800 --> 00:02:34.540 He was born in Melbourne,

NOTE Confidence: 0.848655700683594

00:02:34.540 --> 00:02:36.664 an educated at the University of

NOTE Confidence: 0.848655700683594

00:02:36.664 --> 00:02:38.719 Melbourne and the University of Oxford.

00:02:38.720 --> 00:02:40.640 After teaching in England the USANA

00:02:40.640 --> 00:02:43.061 Australia in 1999 he paid he became

00:02:43.061 --> 00:02:44.861 Iroda Camp Professor Bioethics in

00:02:44.861 --> 00:02:46.699 the University Center for Human

00:02:46.699 --> 00:02:47.755 Values at Princeton,

00:02:47.760 --> 00:02:50.544 where he spends part of the year teaching,

00:02:50.550 --> 00:02:53.110 and he spends the rest and the other

00:02:53.110 --> 00:02:55.428 part of the year in Australia.

00:02:55.430 --> 00:02:57.812 He he first became well known

00:02:57.812 --> 00:02:59.400 internationally after the publication

00:02:59.461 --> 00:03:01.176 of Animal Liberation in 1975,

00:03:01.180 --> 00:03:03.854 and in 2011 time included animal Liberation

00:03:03.854 --> 00:03:07.410 on its all time list of the 100 Best

00:03:07.410 --> 00:03:09.479 Nonfiction Books published in English

00:03:09.479 --> 00:03:12.089 since their magazine began in 1923.

00:03:12.090 --> 00:03:13.710 Professor Singer has written Co,

NOTE Confidence: 0.865616261959076

00:03:13.710 --> 00:03:15.618 authored, edited or coedited more than

NOTE Confidence: 0.865616261959076

00:03:15.618 --> 00:03:17.270 50 books including practical ethics,

NOTE Confidence: 0.865616261959076

00:03:17.270 --> 00:03:18.245 the expanding circle.

NOTE Confidence: 0.865616261959076

00:03:18.245 --> 00:03:19.870 How are we to live?

NOTE Confidence: 0.865616261959076

00:03:19.870 --> 00:03:21.166 Rethinking life and death?

NOTE Confidence: 0.865616261959076

00:03:21.166 --> 00:03:23.110 The ethics of what we eat?

NOTE Confidence: 0.865616261959076

00:03:23.110 --> 00:03:25.364 The point of view of the universe.

NOTE Confidence: 0.865616261959076

00:03:25.370 --> 00:03:27.826 The most good you can do ethics in

NOTE Confidence: 0.865616261959076

00:03:27.826 --> 00:03:29.682 the real world, and utilitarianism.

NOTE Confidence: 0.865616261959076

00:03:29.682 --> 00:03:32.279 A very short introduction and his most

NOTE Confidence: 0.865616261959076

00:03:32.279 --> 00:03:34.561 recent book Why Vegan was just published

NOTE Confidence: 0.865616261959076

00:03:34.561 --> 00:03:36.599 in the Penguin Great Ideas series.

NOTE Confidence: 0.865616261959076

00:03:36.600 --> 00:03:38.196 And finally, his book,

NOTE Confidence: 0.865616261959076

00:03:38.196 --> 00:03:41.155 The Life You can Save First Publishing

NOTE Confidence: 0.865616261959076

00:03:41.155 --> 00:03:44.508 2009 led him to found a nonprofit

NOTE Confidence: 0.865616261959076

00:03:44.508 --> 00:03:46.670 organization of the same name.

NOTE Confidence: 0.865616261959076

00:03:46.670 --> 00:03:47.866 So without further ado.

NOTE Confidence: 0.865616261959076

00:03:47.866 --> 00:03:49.660 Chester Singer take take it away

NOTE Confidence: 0.865616261959076

00:03:49.721 --> 00:03:51.215 and thank you so much again.

NOTE Confidence: 0.852734863758087

00:03:52.470 --> 00:03:55.081 Thank you very much darker Hal and

NOTE Confidence: 0.852734863758087

00:03:55.081 --> 00:03:57.627 of course thank you Doctor Mercurio

NOTE Confidence: 0.852734863758087

00:03:57.627 --> 00:04:00.315 for the invitation for this event.

NOTE Confidence: 0.852734863758087

00:04:00.320 --> 00:04:03.304 Very happy to have the opportunity to speak

NOTE Confidence: 0.852734863758087

00:04:03.304 --> 00:04:06.292 to you on these important issues relating

NOTE Confidence: 0.852734863758087

00:04:06.292 --> 00:04:09.948 to what we eat relating to questions about.

NOTE Confidence: 0.852734863758087

00:04:09.950 --> 00:04:13.569 The Treatment of Animals and the climate,

NOTE Confidence: 0.852734863758087

00:04:13.570 --> 00:04:16.666 and also now very relevant today.

NOTE Confidence: 0.852734863758087

00:04:16.670 --> 00:04:19.094 The question questions about

NOTE Confidence: 0.852734863758087

00:04:19.094 --> 00:04:22.124 the risks of further pandemics.

NOTE Confidence: 0.852734863758087

00:04:22.130 --> 00:04:25.698 So what I'm going to do is to

NOTE Confidence: 0.852734863758087

00:04:25.698 --> 00:04:29.526 share my screen with you now and.

NOTE Confidence: 0.852734863758087

00:04:29.530 --> 00:04:32.344 To show you some slides as we

NOTE Confidence: 0.852734863758087

00:04:32.344 --> 00:04:34.180 go through this topic.

NOTE Confidence: 0.852734863758087

00:04:34.180 --> 00:04:38.107 And let me just. Bring that up.

NOTE Confidence: 0.852734863758087

00:04:38.110 --> 00:04:40.918 I need to.

NOTE Confidence: 0.852734863758087

00:04:40.920 --> 00:04:43.700 Change that just a minute.

NOTE Confidence: 0.818838775157928

00:04:46.800 --> 00:04:50.010 Trips that went too far.

NOTE Confidence: 0.818838775157928

00:04:50.010 --> 00:04:54.490 OK, there we are. So.

NOTE Confidence: 0.818838775157928

00:04:54.490 --> 00:04:56.961 As I say, we're going to talk

NOTE Confidence: 0.818838775157928

00:04:56.961 --> 00:04:58.630 about these three topics,

NOTE Confidence: 0.818838775157928

00:04:58.630 --> 00:05:00.754 and I'm going to start with

NOTE Confidence: 0.818838775157928

00:05:00.754 --> 00:05:02.760 questions about ethics and animals.

NOTE Confidence: 0.818838775157928

00:05:02.760 --> 00:05:05.176 I think this is the area in which

NOTE Confidence: 0.818838775157928

00:05:05.176 --> 00:05:07.896 perhaps I have the most to contribute

NOTE Confidence: 0.818838775157928

00:05:07.896 --> 00:05:10.429 specifically from the point of view

NOTE Confidence: 0.818838775157928

00:05:10.429 --> 00:05:12.539 of ethics and ethical argument,

NOTE Confidence: 0.818838775157928

00:05:12.540 --> 00:05:14.420 rather than questions about facts,

NOTE Confidence: 0.818838775157928

00:05:14.420 --> 00:05:17.180 which of course connect two questions

NOTE Confidence: 0.818838775157928

00:05:17.180 --> 00:05:20.268 about ethics and what we ought to do.

NOTE Confidence: 0.818838775157928

00:05:20.270 --> 00:05:22.839 But that's why I will begin with

NOTE Confidence: 0.818838775157928

00:05:22.839 --> 00:05:24.859 issues about ethics and animals.

NOTE Confidence: 0.818838775157928

00:05:24.860 --> 00:05:27.212 As was mentioned, I've put forward

NOTE Confidence: 0.818838775157928

00:05:27.212 --> 00:05:29.690 in my book Animal Liberation,

NOTE Confidence: 0.818838775157928

00:05:29.690 --> 00:05:32.840 which was first published in 1975 and

NOTE Confidence: 0.818838775157928

00:05:32.840 --> 00:05:36.267 I'm happy to say is still in print.

NOTE Confidence: 0.818838775157928

00:05:36.270 --> 00:05:38.814 A different approach to the Treatment

NOTE Confidence: 0.818838775157928

00:05:38.814 --> 00:05:41.492 of Animals different to what I'm

NOTE Confidence: 0.818838775157928

00:05:41.492 --> 00:05:43.752 here calling today's mainstream view

NOTE Confidence: 0.818838775157928

00:05:43.752 --> 00:05:45.950 about the Treatment of Animals.

NOTE Confidence: 0.818838775157928

00:05:45.950 --> 00:05:48.338 This view is somewhat different from

NOTE Confidence: 0.818838775157928

00:05:48.338 --> 00:05:50.929 somewhat earlier views that have been held,

NOTE Confidence: 0.818838775157928

00:05:50.930 --> 00:05:53.228 which they denied that we had

NOTE Confidence: 0.818838775157928

00:05:53.228 --> 00:05:54.760 any obligations to animals.

NOTE Confidence: 0.818838775157928

00:05:54.760 --> 00:05:57.441 We can certainly find those views in

NOTE Confidence: 0.818838775157928

00:05:57.441 --> 00:05:59.354 the Western tradition, Descartes's view.

NOTE Confidence: 0.818838775157928

00:05:59.354 --> 00:06:01.264 The animals don't feel anything.

NOTE Confidence: 0.818838775157928

00:06:01.270 --> 00:06:03.783 Thomas Aquinas is view that we have

NOTE Confidence: 0.818838775157928

00:06:03.783 --> 00:06:05.729 no obligations to animals because

NOTE Confidence: 0.818838775157928

00:06:05.729 --> 00:06:08.921 Ascential E God gave us Dominion over them,

NOTE Confidence: 0.818838775157928

00:06:08.930 --> 00:06:11.588 and Aquinas interpreted that to suggest

NOTE Confidence: 0.818838775157928

00:06:11.588 --> 00:06:15.249 that we can do what we like with him.

NOTE Confidence: 0.818838775157928

00:06:15.250 --> 00:06:18.088 But today we are, I think,

NOTE Confidence: 0.818838775157928

00:06:18.090 --> 00:06:20.460 somewhat better attitudes to animals,

NOTE Confidence: 0.818838775157928

00:06:20.460 --> 00:06:22.636 but still rather limited.

NOTE Confidence: 0.818838775157928

00:06:22.636 --> 00:06:23.180 So,

NOTE Confidence: 0.818838775157928

00:06:23.180 --> 00:06:23.903 as I say,

NOTE Confidence: 0.818838775157928

00:06:23.903 --> 00:06:25.349 the mainstream view is that we

NOTE Confidence: 0.818838775157928

00:06:25.349 --> 00:06:26.796 ought to be kind to animals,

NOTE Confidence: 0.818838775157928

00:06:26.800 --> 00:06:28.969 and we ought to avoid being cruel to them.

NOTE Confidence: 0.817005515098572

00:06:31.120 --> 00:06:33.060 And as part of that,

NOTE Confidence: 0.817005515098572

00:06:33.060 --> 00:06:35.755 we think of wanton cruelty as bad.

NOTE Confidence: 0.817005515098572

00:06:35.760 --> 00:06:38.483 So the kinds of things that just

NOTE Confidence: 0.817005515098572

00:06:38.483 --> 00:06:41.178 people being cruel to animals for fun,

NOTE Confidence: 0.817005515098572

00:06:41.180 --> 00:06:45.050 setting fire to a cat to watch it in agony,

NOTE Confidence: 0.817005515098572

00:06:45.050 --> 00:06:47.878 beating a dog with a heavy stick.

NOTE Confidence: 0.817005515098572

00:06:47.880 --> 00:06:50.562 Leaving a horse in a field where there's no

NOTE Confidence: 0.817005515098572

00:06:50.562 --> 00:06:53.170 food and the horse is starting to starve.

NOTE Confidence: 0.817005515098572

00:06:53.170 --> 00:06:55.432 All of those things we have

NOTE Confidence: 0.817005515098572

00:06:55.432 --> 00:06:57.330 no doubt that they're bad.

NOTE Confidence: 0.817005515098572

00:06:57.330 --> 00:06:58.545 So animals interests.

NOTE Confidence: 0.817005515098572

00:06:58.545 --> 00:07:00.975 Do cat on this mainstream view,

NOTE Confidence: 0.817005515098572

00:07:00.980 --> 00:07:03.470 but they don't count comparably

NOTE Confidence: 0.817005515098572

00:07:03.470 --> 00:07:05.462 to our own interests.

NOTE Confidence: 0.817005515098572

00:07:05.470 --> 00:07:07.555 And they may be overwritten

NOTE Confidence: 0.817005515098572

00:07:07.555 --> 00:07:09.223 by our own interests.

NOTE Confidence: 0.817005515098572

00:07:09.230 --> 00:07:12.156 For example, our interest in eating them.

NOTE Confidence: 0.817005515098572

00:07:12.160 --> 00:07:14.876 Or perhaps our interest in using them

NOTE Confidence: 0.817005515098572

00:07:14.876 --> 00:07:17.589 in research and other complex issue,

NOTE Confidence: 0.817005515098572

00:07:17.590 --> 00:07:21.384 which is not really my subject today.

NOTE Confidence: 0.817005515098572

00:07:21.390 --> 00:07:25.773 Now, so the mainstream view, at least in.

NOTE Confidence: 0.817005515098572

00:07:25.773 --> 00:07:28.528 Couch is like the United

NOTE Confidence: 0.817005515098572

00:07:28.528 --> 00:07:30.900 States and Australia.

NOTE Confidence: 0.817005515098572

00:07:30.900 --> 00:07:32.984 English speaking cultures condemns.

NOTE Confidence: 0.817005515098572

00:07:32.984 --> 00:07:36.696 Sports like Bull fighting or or dog

NOTE Confidence: 0.817005515098572

00:07:36.696 --> 00:07:39.696 fighting would have been another example.

NOTE Confidence: 0.817005515098572

00:07:39.700 --> 00:07:41.236 Even more clearly,

NOTE Confidence: 0.817005515098572

00:07:41.236 --> 00:07:44.820 'cause we see that as wanton cruelty

NOTE Confidence: 0.817005515098572

00:07:44.917 --> 00:07:48.270 is making the bull suffer for sport.

00:07:48.270 --> 00:07:49.800 But in contrast.

00:07:49.800 --> 00:07:52.350 We don't condemn this now.

00:07:52.350 --> 00:07:53.364 You probably saying,

00:07:53.364 --> 00:07:54.716 well, what is this?

00:07:54.720 --> 00:07:56.757 So this is a procedure that is

00:07:56.757 --> 00:07:58.844 done to every virtually every egg

00:07:58.844 --> 00:08:01.136 laying hen in the United States,

00:08:01.140 --> 00:08:03.168 and pretty much every other country.

00:08:03.170 --> 00:08:03.778 It's called.

00:08:03.778 --> 00:08:04.082 Well,

00:08:04.082 --> 00:08:06.210 let me say it used to be

00:08:06.284 --> 00:08:08.853 called when I wrote about it in

00:08:08.853 --> 00:08:10.600 animal liberation in the 70s.

00:08:10.600 --> 00:08:12.610 It was called Debeaking and when

00:08:12.610 --> 00:08:15.000 I say that what it was called,

00:08:15.000 --> 00:08:17.359 you could pick up any farming Journal

NOTE Confidence: 0.817005515098572

00:08:17.359 --> 00:08:19.730 and that was what it was called.

NOTE Confidence: 0.817005515098572

00:08:19.730 --> 00:08:21.466 Now because of the.

NOTE Confidence: 0.817005515098572

00:08:21.466 --> 00:08:24.070 Poor PR image of that word.

NOTE Confidence: 0.817005515098572

00:08:24.070 --> 00:08:27.286 The industry refers to it as big trimming.

NOTE Confidence: 0.817005515098572

00:08:27.290 --> 00:08:28.048 In fact,

NOTE Confidence: 0.817005515098572

00:08:28.048 --> 00:08:31.080 what what you've got here is a newly

NOTE Confidence: 0.817005515098572

00:08:31.173 --> 00:08:34.549 hatched chick just a couple of days old,

NOTE Confidence: 0.817005515098572

00:08:34.550 --> 00:08:37.766 with the beak being stuck into a hot,

NOTE Confidence: 0.817005515098572

00:08:37.770 --> 00:08:38.738 knifer guillotine.

NOTE Confidence: 0.817005515098572

00:08:38.738 --> 00:08:42.610 To cut off the point of the beak.

NOTE Confidence: 0.817005515098572

00:08:42.610 --> 00:08:44.460 This is a painful procedure.

NOTE Confidence: 0.817005515098572

00:08:44.460 --> 00:08:46.310 Becausw chickens have a lot

NOTE Confidence: 0.817005515098572

00:08:46.310 --> 00:08:48.160 of nerves in their beak.

NOTE Confidence: 0.817005515098572

00:08:48.160 --> 00:08:50.392 When you think how a chicken

NOTE Confidence: 0.817005515098572

00:08:50.392 --> 00:08:51.880 behaves in the farmyard.

NOTE Confidence: 0.817005515098572

00:08:51.880 --> 00:08:54.484 She's using her beak to pick up

NOTE Confidence: 0.817005515098572

00:08:54.484 --> 00:08:56.900 food to detect what is edible,

NOTE Confidence: 0.817005515098572

00:08:56.900 --> 00:08:57.272 grain,

NOTE Confidence: 0.817005515098572

00:08:57.272 --> 00:08:59.876 say or what is a little Pebble

NOTE Confidence: 0.817005515098572

00:08:59.876 --> 00:09:01.529 that it can't eat.

NOTE Confidence: 0.817005515098572

00:09:01.530 --> 00:09:04.618 So it's clearly a lot of nerves there,

NOTE Confidence: 0.817005515098572

00:09:04.620 --> 00:09:06.828 and there's no doubt that this

NOTE Confidence: 0.817005515098572

00:09:06.828 --> 00:09:09.171 is a painful procedure for chicks

NOTE Confidence: 0.817005515098572

00:09:09.171 --> 00:09:11.565 without any pain relief being used.

NOTE Confidence: 0.817005515098572

00:09:11.570 --> 00:09:15.035 You might say, well, why is that being done?

NOTE Confidence: 0.817005515098572

00:09:15.040 --> 00:09:17.608 The reason that's being done is

NOTE Confidence: 0.817005515098572

00:09:17.608 --> 00:09:19.769 that combination of the breeding

NOTE Confidence: 0.817005515098572

00:09:19.769 --> 00:09:22.673 of chickens to lay a lot of eggs.

NOTE Confidence: 0.817005515098572

00:09:22.680 --> 00:09:26.730 Crowding of the confinement of chickens.

NOTE Confidence: 0.817005515098572

00:09:26.730 --> 00:09:29.082 Because laying hands are.

NOTE Confidence: 0.817005515098572

16

00:09:29.082 --> 00:09:30.258 Invariably confined,

NOTE Confidence: 0.817005515098572

00:09:30.260 --> 00:09:32.350 usually in small wire cages,

NOTE Confidence: 0.817005515098572

00:09:32.350 --> 00:09:35.269 sometimes on the floors of large sheds,

NOTE Confidence: 0.817005515098572

00:09:35.270 --> 00:09:37.736 but always very crowded and the

NOTE Confidence: 0.817005515098572

00:09:37.736 --> 00:09:39.872 more aggressive birds will under

NOTE Confidence: 0.817005515098572

00:09:39.872 --> 00:09:41.520 the stress of crowding,

NOTE Confidence: 0.817005515098572

00:09:41.520 --> 00:09:43.610 will attack the weaker birds,

NOTE Confidence: 0.817005515098572

00:09:43.610 --> 00:09:45.690 and once they draw blood,

NOTE Confidence: 0.817005515098572

00:09:45.690 --> 00:09:49.443 they start to get a bit crazy for it,

NOTE Confidence: 0.817005515098572

00:09:49.450 --> 00:09:50.785 and cannibalism occurs.

NOTE Confidence: 0.817005515098572

00:09:50.785 --> 00:09:53.455 So cutting off the point pointy

NOTE Confidence: 0.817005515098572

00:09:53.455 --> 00:09:55.909 part of the beak is standard

NOTE Confidence: 0.817005515098572

00:09:55.909 --> 00:09:57.839 procedure done to all hands.

NOTE Confidence: 0.860972881317139

00:09:57.840 --> 00:09:59.720 To prevent that happening,

NOTE Confidence: 0.860972881317139

00:09:59.720 --> 00:10:01.130 obviously in preference,

NOTE Confidence: 0.860972881317139

00:10:01.130 --> 00:10:03.860 economic preference to giving them

NOTE Confidence: 0.860972881317139

00:10:03.860 --> 00:10:07.800 more space and allowing them to sort

NOTE Confidence: 0.860972881317139

00:10:07.800 --> 00:10:10.590 themselves into natural sized flocks.

NOTE Confidence: 0.860972881317139

00:10:10.590 --> 00:10:12.977 OK, so that's just one example that

NOTE Confidence: 0.860972881317139

00:10:12.977 --> 00:10:16.129 I just at this stage want to use to

NOTE Confidence: 0.860972881317139

00:10:16.129 --> 00:10:19.125 contrast the way in which we think that

NOTE Confidence: 0.860972881317139

00:10:19.125 --> 00:10:22.174 some things are cruel and wrong and other

NOTE Confidence: 0.860972881317139

00:10:22.174 --> 00:10:25.070 things press we don't know about at all.

NOTE Confidence: 0.860972881317139

00:10:25.070 --> 00:10:26.518 Perhaps you didn't know

NOTE Confidence: 0.860972881317139

00:10:26.518 --> 00:10:28.328 about this until right now,

NOTE Confidence: 0.860972881317139

00:10:28.330 --> 00:10:30.238 but nevertheless it's happening.

NOTE Confidence: 0.860972881317139

00:10:30.238 --> 00:10:33.100 Everybody in the egg producing industry

NOTE Confidence: 0.860972881317139

00:10:33.172 --> 00:10:35.587 knows that it's happening and yet nothing

NOTE Confidence: 0.860972881317139

00:10:35.587 --> 00:10:38.280 is done to find alternatives to it.

NOTE Confidence: 0.860972881317139

00:10:38.280 --> 00:10:40.228 Alright, in animal liberation

NOTE Confidence: 0.860972881317139

00:10:40.228 --> 00:10:42.663 I use the term speciesism,

NOTE Confidence: 0.860972881317139

00:10:42.670 --> 00:10:45.598 Tameka parallel with racism and sexism.

NOTE Confidence: 0.860972881317139

00:10:45.600 --> 00:10:49.352 I define speciesism as a bias against other

NOTE Confidence: 0.860972881317139

00:10:49.352 --> 00:10:52.429 beings simply because of their species,

NOTE Confidence: 0.860972881317139

00:10:52.430 --> 00:10:56.134 just as we may see racism or sexism

NOTE Confidence: 0.860972881317139

00:10:56.134 --> 00:10:58.922 as biases against other beings

NOTE Confidence: 0.860972881317139

00:10:58.922 --> 00:11:03.024 simply because of their race or sex.

NOTE Confidence: 0.860972881317139

00:11:03.030 --> 00:11:05.529 And I argue that we should reject

NOTE Confidence: 0.860972881317139

00:11:05.529 --> 00:11:07.290 it as we reject.

NOTE Confidence: 0.860972881317139

00:11:07.290 --> 00:11:09.831 Hope I can take it for granted

NOTE Confidence: 0.860972881317139

00:11:09.831 --> 00:11:12.884 that you will reject the idea that

NOTE Confidence: 0.860972881317139

00:11:12.884 --> 00:11:15.224 being should be classified as.

NOTE Confidence: 0.860972881317139

00:11:15.230 --> 00:11:17.006 Superior or inferior is more important,

NOTE Confidence: 0.860972881317139

00:11:17.010 --> 00:11:18.500 less important that they're interested,

NOTE Confidence: 0.860972881317139

00:11:18.500 --> 00:11:20.929 count or not count on the basis

NOTE Confidence: 0.860972881317139

00:11:20.929 --> 00:11:22.590 of their race or sex.

NOTE Confidence: 0.860972881317139

00:11:22.590 --> 00:11:23.757 Uh, an eye,

19

NOTE Confidence: 0.860972881317139

00:11:23.757 --> 00:11:26.091 although of course I don't say

NOTE Confidence: 0.860972881317139

00:11:26.091 --> 00:11:28.880 that in every respect these these

NOTE Confidence: 0.860972881317139

00:11:28.880 --> 00:11:31.700 patterns of conduct are the same.

NOTE Confidence: 0.860972881317139

00:11:31.700 --> 00:11:32.792 They are not,

NOTE Confidence: 0.860972881317139

00:11:32.792 --> 00:11:36.325 but I do think that in all of these

NOTE Confidence: 0.860972881317139

00:11:36.325 --> 00:11:39.447 cases we have a dominant group of

NOTE Confidence: 0.860972881317139

00:11:39.447 --> 00:11:43.296 beings who want to use other beings or

NOTE Confidence: 0.860972881317139

00:11:43.296 --> 00:11:46.376 exploit other beings for their own benefit,

NOTE Confidence: 0.860972881317139

00:11:46.376 --> 00:11:48.446 and they develop an ideology

NOTE Confidence: 0.860972881317139

00:11:48.446 --> 00:11:50.764 according to which that exploitation

NOTE Confidence: 0.860972881317139

00:11:50.764 --> 00:11:52.596 or domination is justified.

NOTE Confidence: 0.860972881317139

00:11:52.600 --> 00:11:56.236 And we see that in the ideologies of racism,

NOTE Confidence: 0.860972881317139

00:11:56.240 --> 00:11:59.054 especially when it's not so blatant nowadays.

NOTE Confidence: 0.860972881317139

00:11:59.060 --> 00:12:02.180 But if you go back to the ideologies

NOTE Confidence: 0.860972881317139

00:12:02.180 --> 00:12:04.278 that justified slavery in the

NOTE Confidence: 0.860972881317139

00:12:04.278 --> 00:12:06.333 18th and early 19th century,

NOTE Confidence: 0.860972881317139

00:12:06.340 --> 00:12:09.154 you find those that ideology with sexism.

NOTE Confidence: 0.860972881317139

00:12:09.160 --> 00:12:11.988 Of course, much more, much more recently,

NOTE Confidence: 0.860972881317139

00:12:11.990 --> 00:12:13.554 part of our tradition.

NOTE Confidence: 0.860972881317139

00:12:13.554 --> 00:12:15.509 And only partially rejected Preps,

NOTE Confidence: 0.860972881317139

00:12:15.510 --> 00:12:18.198 but with spaces in them it's almost

NOTE Confidence: 0.860972881317139

00:12:18.198 --> 00:12:21.129 universal and we do take it for granted.

NOTE Confidence: 0.860972881317139

00:12:21.130 --> 00:12:23.810 So the point of this comparison is to

NOTE Confidence: 0.860972881317139

00:12:23.810 --> 00:12:26.234 say think about people who did also

NOTE Confidence: 0.860972881317139

00:12:26.234 --> 00:12:28.897 grow up in racist and sexist societies

NOTE Confidence: 0.860972881317139

00:12:28.897 --> 00:12:31.627 and took those biases for granted.

NOTE Confidence: 0.860972881317139

00:12:31.630 --> 00:12:34.570 And then think about your own assumptions

NOTE Confidence: 0.860972881317139

00:12:34.570 --> 00:12:37.630 that we are entitled to give more

NOTE Confidence: 0.860972881317139

00:12:37.630 --> 00:12:41.062 weight to our own interests than we do

NOTE Confidence: 0.860972881317139

00:12:41.062 --> 00:12:43.778 to the interests of non human animals.

NOTE Confidence: 0.860972881317139

00:12:43.780 --> 00:12:46.216 So what's the alternative to speciesism,

NOTE Confidence: 0.860972881317139

00:12:46.220 --> 00:12:48.255 I suggest it's equal consideration

NOTE Confidence: 0.860972881317139

00:12:48.255 --> 00:12:49.069 of interests.

NOTE Confidence: 0.860972881317139

00:12:49.070 --> 00:12:49.906 That is,

NOTE Confidence: 0.860972881317139

00:12:49.906 --> 00:12:52.832 we should give equal weight to similar

NOTE Confidence: 0.860972881317139

00:12:52.832 --> 00:12:55.123 interests irrespective of the species

NOTE Confidence: 0.860972881317139

00:12:55.123 --> 00:12:58.180 of the being whose interests they are.

NOTE Confidence: 0.860972881317139

00:12:58.180 --> 00:13:00.420 Just as if you substitute race or sex,

NOTE Confidence: 0.860972881317139

00:13:00.420 --> 00:13:02.718 I think you would also clearly

NOTE Confidence: 0.860972881317139

00:13:02.718 --> 00:13:04.250 agree with that statement.

NOTE Confidence: 0.860972881317139

00:13:04.250 --> 00:13:06.585 Now equal consideration of interests

NOTE Confidence: 0.860972881317139

00:13:06.585 --> 00:13:08.920 though doesn't mean that were

NOTE Confidence: 0.860972881317139

00:13:08.994 --> 00:13:11.258 beings have different interests.

NOTE Confidence: 0.860972881317139

00:13:11.260 --> 00:13:15.103 You should give them the same treatment

NOTE Confidence: 0.860972881317139

00:13:15.103 --> 00:13:18.809 or even necessarily give equal weight so.

NOTE Confidence: 0.860972881317139

00:13:18.810 --> 00:13:21.400 Here's a photo of some cows living

NOTE Confidence: 0.860972881317139

00:13:21.400 --> 00:13:24.089 in a organic on an organic farm.

NOTE Confidence: 0.860972881317139

00:13:24.090 --> 00:13:26.346 Reasonably good condition with their carves.

NOTE Confidence: 0.860972881317139

00:13:26.350 --> 00:13:28.606 Still with him, plenty to eat.

NOTE Confidence: 0.834765136241913

00:13:28.610 --> 00:13:31.210 As you can see, they do not share

NOTE Confidence: 0.834765136241913

00:13:31.210 --> 00:13:33.490 your interest in getting an education

NOTE Confidence: 0.834765136241913

00:13:33.490 --> 00:13:35.818 or in hearing discussions of the

NOTE Confidence: 0.834765136241913

00:13:35.891 --> 00:13:38.036 kind that we're having tonight,

NOTE Confidence: 0.834765136241913

00:13:38.040 --> 00:13:41.048 so clearly you have to look at the

NOTE Confidence: 0.834765136241913

00:13:41.048 --> 00:13:43.689 interest at different beings have.

NOTE Confidence: 0.834765136241913

00:13:43.690 --> 00:13:45.712 And sometimes they are more closely

NOTE Confidence: 0.834765136241913

00:13:45.712 --> 00:13:47.060 comparable with our interests,

NOTE Confidence: 0.834765136241913

00:13:47.060 --> 00:13:51.290 and sometimes they're not. Ah.

NOTE Confidence: 0.834765136241913

00:13:51.290 --> 00:13:53.150 And interest that is quite

NOTE Confidence: 0.834765136241913

00:13:53.150 --> 00:13:54.638 closely comparable with hours,

NOTE Confidence: 0.834765136241913

00:13:54.640 --> 00:13:56.500 I think is the interest

NOTE Confidence: 0.834765136241913

00:13:56.500 --> 00:13:57.988 in not experiencing pain,

NOTE Confidence: 0.834765136241913

00:13:57.990 --> 00:13:59.474 particularly severe pain, obviously,

NOTE Confidence: 0.834765136241913

00:13:59.474 --> 00:14:00.958 and generally not suffering,

NOTE Confidence: 0.834765136241913

00:14:00.960 --> 00:14:04.592 so those are the interest that I'll be

NOTE Confidence: 0.834765136241913

00:14:04.592 --> 00:14:07.731 referring to most in talking about the

NOTE Confidence: 0.834765136241913

00:14:07.731 --> 00:14:11.479 ethics of how we ought to treat animals.

NOTE Confidence: 0.834765136241913

00:14:11.480 --> 00:14:13.270 Now some people will say,

NOTE Confidence: 0.834765136241913

00:14:13.270 --> 00:14:14.503 but you know,

NOTE Confidence: 0.834765136241913

00:14:14.503 --> 00:14:16.558 whereas there aren't really any

NOTE Confidence: 0.834765136241913

00:14:16.558 --> 00:14:18.343 differences between people on the

NOTE Confidence: 0.834765136241913

00:14:18.343 --> 00:14:20.422 basis of their race or their sex,

NOTE Confidence: 0.834765136241913

00:14:20.430 --> 00:14:22.585 or at least know differences

NOTE Confidence: 0.834765136241913

00:14:22.585 --> 00:14:23.878 that matter morally.

NOTE Confidence: 0.834765136241913

00:14:23.880 --> 00:14:25.805 With humans there are these

NOTE Confidence: 0.834765136241913

00:14:25.805 --> 00:14:27.730 differences because only humans are.

NOTE Confidence: 0.834765136241913

00:14:27.730 --> 00:14:30.376 And now then we get a whole

NOTE Confidence: 0.834765136241913

00:14:30.376 --> 00:14:33.119 lot of terms to fill this in.

NOTE Confidence: 0.834765136241913

00:14:33.120 --> 00:14:35.045 Only humans are rational and

NOTE Confidence: 0.834765136241913

00:14:35.045 --> 00:14:36.970 the humans are self aware.

NOTE Confidence: 0.834765136241913

00:14:36.970 --> 00:14:38.900 Only humans are autonomous beings,

NOTE Confidence: 0.834765136241913

00:14:38.900 --> 00:14:41.498 self directing only humans are moral

NOTE Confidence: 0.834765136241913

00:14:41.498 --> 00:14:43.960 agents only humans used language.

NOTE Confidence: 0.834765136241913

00:14:43.960 --> 00:14:47.740 So.

NOTE Confidence: 0.834765136241913

00:14:47.740 --> 00:14:50.092 Do these things make a important

NOTE Confidence: 0.834765136241913

00:14:50.092 --> 00:14:50.876 moral difference?

NOTE Confidence: 0.834765136241913

00:14:50.880 --> 00:14:51.215 Sorry,

NOTE Confidence: 0.834765136241913

00:14:51.215 --> 00:14:53.560 I had another one there able to

NOTE Confidence: 0.834765136241913

00:14:53.560 --> 00:14:56.436 take part in a social contract that

NOTE Confidence: 0.834765136241913

00:14:56.436 --> 00:14:58.140 we're thinking of philosophers

NOTE Confidence: 0.834765136241913

00:14:58.140 --> 00:15:00.318 like John Rules for instance.

NOTE Confidence: 0.834765136241913

00:15:00.320 --> 00:15:02.798 Then that is an important part

NOTE Confidence: 0.834765136241913

00:15:02.798 --> 00:15:05.030 of moral status and so on.

NOTE Confidence: 0.834765136241913

00:15:05.030 --> 00:15:07.774 So what should we say about that?

NOTE Confidence: 0.834765136241913

00:15:07.780 --> 00:15:08.147 Well,

NOTE Confidence: 0.834765136241913

00:15:08.147 --> 00:15:10.349 in fact that was discussed along

NOTE Confidence: 0.834765136241913

00:15:10.349 --> 00:15:13.287 time ago by this man Jeremy Bentham,

NOTE Confidence: 0.834765136241913

00:15:13.290 --> 00:15:16.034 who's the founder of the School of

NOTE Confidence: 0.834765136241913

00:15:16.034 --> 00:15:18.161 English Utilitarians, Bentham was writing.

NOTE Confidence: 0.834765136241913

00:15:18.161 --> 00:15:20.396 These lines towards the end

NOTE Confidence: 0.834765136241913

00:15:20.396 --> 00:15:23.088 of the 18th century in fact,

NOTE Confidence: 0.834765136241913

00:15:23.090 --> 00:15:25.380 just after the French Revolution

NOTE Confidence: 0.834765136241913

00:15:25.380 --> 00:15:27.670 had broken out in 1789.

NOTE Confidence: 0.834765136241913

00:15:27.670 --> 00:15:27.951 And.

NOTE Confidence: 0.834765136241913

00:15:27.951 --> 00:15:30.199 In one of his works there he has

NOTE Confidence: 0.834765136241913

00:15:30.199 --> 00:15:32.464 a kind of prophetic footnote in

NOTE Confidence: 0.834765136241913

00:15:32.464 --> 00:15:34.907 which he notes that the French

NOTE Confidence: 0.834765136241913

00:15:34.907 --> 00:15:36.290 revolutionaries have discovered

NOTE Confidence: 0.834765136241913

00:15:36.290 --> 00:15:39.409 that the color of a man's skin

NOTE Confidence: 0.834765136241913

00:15:39.409 --> 00:15:41.503 is no reason for abandoning him

NOTE Confidence: 0.834765136241913

00:15:41.503 --> 00:15:43.648 to the Caprice of a tormentor.

NOTE Confidence: 0.834765136241913

00:15:43.650 --> 00:15:44.520 In other words,

NOTE Confidence: 0.834765136241913

00:15:44.520 --> 00:15:46.550 he was pointing to the fact that

NOTE Confidence: 0.834765136241913

00:15:46.616 --> 00:15:48.188 the French revolutionaries had

NOTE Confidence: 0.834765136241913

00:15:48.188 --> 00:15:50.153 declared that all human beings

NOTE Confidence: 0.834765136241913

00:15:50.153 --> 00:15:52.426 are free and had abolished slavery

NOTE Confidence: 0.834765136241913

00:15:52.426 --> 00:15:53.878 in the French colonies,

NOTE Confidence: 0.834765136241913

00:15:53.880 --> 00:15:55.645 was in fact later reintroduced

NOTE Confidence: 0.834765136241913

00:15:55.645 --> 00:15:56.704 after the revolution,

NOTE Confidence: 0.834765136241913

00:15:56.710 --> 00:15:58.846 but they did abolish it temporally.

NOTE Confidence: 0.834765136241913

00:15:58.850 --> 00:16:01.530 Anne Benton then goes on to make this,

NOTE Confidence: 0.834765136241913

00:16:01.530 --> 00:16:02.306 you know,

NOTE Confidence: 0.834765136241913

00:16:02.306 --> 00:16:04.246 quite remarkable comment for the

NOTE Confidence: 0.834765136241913

00:16:04.246 --> 00:16:06.635 time that maybe one day the day

NOTE Confidence: 0.834765136241913

00:16:06.635 --> 00:16:08.745 will come when we will also realize

NOTE Confidence: 0.834765136241913

00:16:08.745 --> 00:16:10.943 that weather being has a tail or

NOTE Confidence: 0.834765136241913

00:16:10.943 --> 00:16:13.150 fur is not a reason for allowing

NOTE Confidence: 0.834765136241913

00:16:13.150 --> 00:16:15.270 it to be tortured by others.

NOTE Confidence: 0.834765136241913

00:16:15.270 --> 00:16:17.646 And this was at a time you have

NOTE Confidence: 0.834765136241913

00:16:17.646 --> 00:16:19.938 to remember when there was no

NOTE Confidence: 0.834765136241913

00:16:19.938 --> 00:16:21.973 legislation anywhere in the world

NOTE Confidence: 0.834765136241913

00:16:21.973 --> 00:16:23.955 against cruelty to animals and

NOTE Confidence: 0.834765136241913

00:16:23.955 --> 00:16:25.080 not in England.

NOTE Confidence: 0.834765136241913

00:16:25.080 --> 00:16:27.348 And bent the mastic addressed it.

NOTE Confidence: 0.834765136241913

00:16:27.350 --> 00:16:29.250 Just this point we're making,

NOTE Confidence: 0.834765136241913

00:16:29.250 --> 00:16:31.410 he says he considers the idea

NOTE Confidence: 0.834765136241913

00:16:31.410 --> 00:16:33.420 that maybe humans can reason,

NOTE Confidence: 0.834765136241913

00:16:33.420 --> 00:16:36.066 or they can talk and animals can't.

NOTE Confidence: 0.834765136241913

00:16:36.070 --> 00:16:38.723 And he says the question is not

NOTE Confidence: 0.834765136241913

00:16:38.723 --> 00:16:41.824 can they reason? Or can they talk?

NOTE Confidence: 0.834765136241913

00:16:41.824 --> 00:16:45.198 But can they suffer? And then he asked.

NOTE Confidence: 0.834765136241913

00:16:45.198 --> 00:16:47.310 The question what else is it

NOTE Confidence: 0.850667685270309

00:16:47.390 --> 00:16:50.090 that you trace the insuperable line?

NOTE Confidence: 0.850667685270309

00:16:50.090 --> 00:16:52.169 In other words, what else is it

NOTE Confidence: 0.850667685270309

00:16:52.169 --> 00:16:54.424 that should mark this line between

NOTE Confidence: 0.850667685270309

00:16:54.424 --> 00:16:56.156 beings whose suffering matters?

NOTE Confidence: 0.850667685270309

00:16:56.160 --> 00:16:58.410 An beings who suffering doesn't

NOTE Confidence: 0.850667685270309

00:16:58.410 --> 00:17:01.350 matter and he went on to say.

NOTE Confidence: 0.850667685270309

00:17:01.350 --> 00:17:03.420 To show that it couldn't be

NOTE Confidence: 0.850667685270309

00:17:03.420 --> 00:17:04.800 simply reasoning or talk,

NOTE Confidence: 0.850667685270309

00:17:04.800 --> 00:17:08.250 he said a dog or a horse can reason better,

NOTE Confidence: 0.850667685270309

00:17:08.250 --> 00:17:09.630 and for that matter,

NOTE Confidence: 0.850667685270309

00:17:09.630 --> 00:17:11.355 he said is more conversable.

NOTE Confidence: 0.850667685270309

00:17:11.360 --> 00:17:14.120 You can have a better conversation with them.

NOTE Confidence: 0.850667685270309

00:17:14.120 --> 00:17:16.880 I'm not sure if there was a joke,

NOTE Confidence: 0.850667685270309

00:17:16.880 --> 00:17:18.260 but perhaps you can.

NOTE Confidence: 0.850667685270309

00:17:18.260 --> 00:17:20.330 Then a human of a day,

NOTE Confidence: 0.850667685270309

00:17:20.330 --> 00:17:23.389 a week or even a month old.

NOTE Confidence: 0.850667685270309

00:17:23.390 --> 00:17:26.218 So essentially saying if you wanted to

NOTE Confidence: 0.850667685270309

00:17:26.218 --> 00:17:29.376 draw the line on the base of reasoning

NOTE Confidence: 0.850667685270309

00:17:29.376 --> 00:17:32.020 abilities or the use of language,

NOTE Confidence: 0.850667685270309

00:17:32.020 --> 00:17:34.480 you would have to exclude newborn

NOTE Confidence: 0.850667685270309

00:17:34.480 --> 00:17:36.949 humans to that people might say.

NOTE Confidence: 0.850667685270309

00:17:36.950 --> 00:17:38.594 But humans newborn humans

NOTE Confidence: 0.850667685270309

00:17:38.594 --> 00:17:40.649 have the potential to reason,

NOTE Confidence: 0.850667685270309

00:17:40.650 --> 00:17:42.710 and that's certainly possible difference.

NOTE Confidence: 0.850667685270309

00:17:42.710 --> 00:17:44.610 Whether you can't potential is

NOTE Confidence: 0.850667685270309

00:17:44.610 --> 00:17:47.025 another question you need to think

NOTE Confidence: 0.850667685270309

00:17:47.025 --> 00:17:49.275 about the implications for abortion.

NOTE Confidence: 0.850667685270309

00:17:49.280 --> 00:17:52.979 If you're a liberal on abortion if you do,

NOTE Confidence: 0.850667685270309

00:17:52.980 --> 00:17:53.351 but.

NOTE Confidence: 0.850667685270309

00:17:53.351 --> 00:17:55.577 Bentham could have said that some

NOTE Confidence: 0.850667685270309

00:17:55.577 --> 00:17:57.750 humans don't have that potential.

NOTE Confidence: 0.850667685270309

00:17:57.750 --> 00:17:58.598 That is,

NOTE Confidence: 0.850667685270309

00:17:58.598 --> 00:18:01.142 they are born with such irreparable

NOTE Confidence: 0.850667685270309

00:18:01.142 --> 00:18:03.709 brain damage or with a genetic

NOTE Confidence: 0.850667685270309

00:18:03.709 --> 00:18:05.754 abnormality that they never will

NOTE Confidence: 0.850667685270309

00:18:05.754 --> 00:18:08.256 have the ability to reason or talk

NOTE Confidence: 0.850667685270309

00:18:08.256 --> 00:18:11.040 to a level that a human cannot.

NOTE Confidence: 0.850667685270309

00:18:11.040 --> 00:18:14.400 Sorry will ever let an animal cannot.

NOTE Confidence: 0.850667685270309

00:18:14.400 --> 00:18:16.374 And yet we certainly don't treat

NOTE Confidence: 0.850667685270309

00:18:16.374 --> 00:18:18.730 them the way we treat animals.

NOTE Confidence: 0.850667685270309

00:18:18.730 --> 00:18:22.340 We don't use them in the way we use animals,

NOTE Confidence: 0.850667685270309

00:18:22.340 --> 00:18:25.788 and we would be horrified if people did.

NOTE Confidence: 0.850667685270309

00:18:25.790 --> 00:18:28.246 So I think that is simply for evidence

NOTE Confidence: 0.850667685270309

00:18:28.246 --> 00:18:31.135 of our species bias that even when

NOTE Confidence: 0.850667685270309

00:18:31.135 --> 00:18:32.895 mental capacities are similar,

NOTE Confidence: 0.850667685270309

00:18:32.900 --> 00:18:35.301 or for that matter to the advantage

NOTE Confidence: 0.850667685270309

00:18:35.301 --> 00:18:37.379 of the non human animal,

NOTE Confidence: 0.850667685270309

00:18:37.380 --> 00:18:40.110 we still give more weight and

NOTE Confidence: 0.850667685270309

00:18:40.110 --> 00:18:42.972 have much more concern for the

NOTE Confidence: 0.850667685270309

00:18:42.972 --> 00:18:45.347 interests of the human beings.

NOTE Confidence: 0.850667685270309

00:18:45.350 --> 00:18:45.681 OK,

NOTE Confidence: 0.850667685270309

00:18:45.681 --> 00:18:49.172 so that's why I think the way we think about

NOTE Confidence: 0.850667685270309

00:18:49.172 --> 00:18:52.604 animals needs to be rethought and is wrong.

NOTE Confidence: 0.850667685270309

00:18:52.610 --> 00:18:55.658 But I do now want to move to.

NOTE Confidence: 0.850667685270309

00:18:55.660 --> 00:18:58.313 What is the big implication of that

NOTE Confidence: 0.850667685270309

00:18:58.313 --> 00:19:01.389 and what is the point of this talk?

NOTE Confidence: 0.850667685270309

00:19:01.390 --> 00:19:02.878 We're talking about food,

NOTE Confidence: 0.850667685270309

00:19:02.878 --> 00:19:05.560 and when we're concerned with cruelty to

NOTE Confidence: 0.850667685270309

00:19:05.560 --> 00:19:07.888 animals or inflicting suffering on animals,

NOTE Confidence: 0.850667685270309

00:19:07.890 --> 00:19:08.906 food is.

00:19:08.906 --> 00:19:10.430 The big issue,

00:19:10.430 --> 00:19:12.830 compare it for example with the

00:19:12.830 --> 00:19:15.369 number of animals killed in research.

00:19:15.370 --> 00:19:18.240 Let's say these are rather rough figures.

00:19:18.240 --> 00:19:21.117 We don't have any any good figures.

00:19:21.120 --> 00:19:24.130 But let's say we could say maybe

00:19:24.130 --> 00:19:26.959 100 million animals are used in

00:19:26.959 --> 00:19:28.895 research worldwide each year.

00:19:28.900 --> 00:19:30.478 Vertebrate land animals

00:19:30.478 --> 00:19:33.108 only not talking about fish,

00:19:33.110 --> 00:19:35.178 not talking about invertebrates.

00:19:35.178 --> 00:19:37.246 Vertebrate land animals according

00:19:37.246 --> 00:19:39.419 to the United Nations.

00:19:39.420 --> 00:19:42.212 Food and Agriculture organization.

00:19:42.212 --> 00:19:46.400 Is in excess of 74 billion.

NOTE Confidence: 0.850667685270309

00:19:46.400 --> 00:19:49.928 So if you do this comparison,

NOTE Confidence: 0.850667685270309

00:19:49.930 --> 00:19:52.278 food production uses 740

NOTE Confidence: 0.850667685270309

00:19:52.278 --> 00:19:55.213 times more animals with ad,

NOTE Confidence: 0.850667685270309

00:19:55.220 --> 00:19:57.292 including fish than research.

NOTE Confidence: 0.850667685270309

00:19:57.292 --> 00:20:00.400 And if you added fish in,

NOTE Confidence: 0.850667685270309

00:20:00.400 --> 00:20:02.566 it would be far more still,

NOTE Confidence: 0.850667685270309

00:20:02.570 --> 00:20:04.976 some estimates of the number of

NOTE Confidence: 0.850667685270309

00:20:04.976 --> 00:20:07.453 fish killed for human and human

NOTE Confidence: 0.850667685270309

00:20:07.453 --> 00:20:09.835 consumption go up to a trillion.

NOTE Confidence: 0.850667685270309

00:20:09.840 --> 00:20:10.227 So.

NOTE Confidence: 0.850667685270309

00:20:10.227 --> 00:20:13.323 This is by far larger problem and I

NOTE Confidence: 0.850667685270309

00:20:13.323 --> 00:20:16.642 think it's quite possible that actually

NOTE Confidence: 0.850667685270309

00:20:16.642 --> 00:20:19.482 the suffering of each individual

NOTE Confidence: 0.848674033085505

00:20:19.573 --> 00:20:22.884 animal in this group is greater in

NOTE Confidence: 0.848674033085505

00:20:22.884 --> 00:20:25.076 food production than in laboratories,

NOTE Confidence: 0.848674033085505

34

00:20:25.076 --> 00:20:26.991 although some some experiments may

NOTE Confidence: 0.848674033085505

00:20:26.991 --> 00:20:29.370 cause more severe short-term suffering,

NOTE Confidence: 0.848674033085505

00:20:29.370 --> 00:20:31.896 the long term suffering of confinement,

NOTE Confidence: 0.848674033085505

00:20:31.900 --> 00:20:33.588 basically lifelong suffering of

NOTE Confidence: 0.848674033085505

00:20:33.588 --> 00:20:35.276 confinement for these animals,

NOTE Confidence: 0.848674033085505

00:20:35.280 --> 00:20:38.290 and the stress of that and the

NOTE Confidence: 0.848674033085505

00:20:38.290 --> 00:20:40.770 deprivation of other things to do,

NOTE Confidence: 0.848674033085505

00:20:40.770 --> 00:20:43.558 I think, is worse.

NOTE Confidence: 0.848674033085505

00:20:43.560 --> 00:20:46.850 Here's a way of looking at our.

NOTE Confidence: 0.848674033085505

00:20:46.850 --> 00:20:49.904 I would say misappropriation of concern

NOTE Confidence: 0.848674033085505

00:20:49.904 --> 00:20:53.294 for animals as reflected by the amount

NOTE Confidence: 0.848674033085505

00:20:53.294 --> 00:20:56.248 of money we donate to animal charities.

NOTE Confidence: 0.848674033085505

00:20:56.250 --> 00:20:59.722 On the left you have this large bluish

NOTE Confidence: 0.848674033085505

00:20:59.722 --> 00:21:02.383 box showing the number of animals

NOTE Confidence: 0.848674033085505

00:21:02.383 --> 00:21:06.145 killed or used each year in the United

NOTE Confidence: 0.848674033085505

00:21:06.145 --> 00:21:08.935 States alone for various purposes,

NOTE Confidence: 0.848674033085505

00:21:08.940 --> 00:21:11.796 and the box is basically blueish

NOTE Confidence: 0.848674033085505

00:21:11.796 --> 00:21:13.700 because that's farm animals.

NOTE Confidence: 0.848674033085505

00:21:13.700 --> 00:21:16.380 If you look down in the right hand

NOTE Confidence: 0.848674033085505

00:21:16.380 --> 00:21:18.521 bottom corner you see a little

NOTE Confidence: 0.848674033085505

00:21:18.521 --> 00:21:20.266 square of a different color,

NOTE Confidence: 0.848674033085505

00:21:20.270 --> 00:21:22.000 which is mostly laboratory animals.

NOTE Confidence: 0.848674033085505

00:21:22.000 --> 00:21:24.124 Those used in research and you

NOTE Confidence: 0.848674033085505

00:21:24.124 --> 00:21:25.810 probably can't even see it.

NOTE Confidence: 0.848674033085505

00:21:25.810 --> 00:21:27.540 There are small green light.

NOTE Confidence: 0.848674033085505

00:21:27.540 --> 00:21:29.941 There's a small green line for the

NOTE Confidence: 0.848674033085505

00:21:29.941 --> 00:21:32.283 number of animals in shelters that is

NOTE Confidence: 0.848674033085505

00:21:32.283 --> 00:21:34.810 dogs and cats in pounds and shelters,

NOTE Confidence: 0.848674033085505

00:21:34.810 --> 00:21:36.880 and the number of animals killed

NOTE Confidence: 0.848674033085505

00:21:36.880 --> 00:21:38.632 for clothing, basically for fur,

NOTE Confidence: 0.848674033085505

00:21:38.632 --> 00:21:41.110 and it can hardly see those lines

NOTE Confidence: 0.848674033085505

00:21:41.184 --> 00:21:42.069 on this chat.

NOTE Confidence: 0.848674033085505

00:21:42.070 --> 00:21:45.229 Then you look at the box on the right.

NOTE Confidence: 0.848674033085505

00:21:45.230 --> 00:21:47.491 And you see that the green the

NOTE Confidence: 0.848674033085505

00:21:47.491 --> 00:21:50.358 this is now the amount of money

NOTE Confidence: 0.848674033085505

00:21:50.358 --> 00:21:52.628 donated to animal charities annually

NOTE Confidence: 0.848674033085505

00:21:52.628 --> 00:21:54.550 in the United States.

NOTE Confidence: 0.848674033085505

00:21:54.550 --> 00:21:57.846 The green is for money donated to shelters

NOTE Confidence: 0.848674033085505

00:21:57.846 --> 00:22:00.896 and it's what is at least 2/3 close

NOTE Confidence: 0.848674033085505

00:22:00.896 --> 00:22:03.858 to 3/4 perhaps of the money donated.

NOTE Confidence: 0.848674033085505

00:22:03.860 --> 00:22:07.100 And then there comes this big category other,

NOTE Confidence: 0.848674033085505

00:22:07.100 --> 00:22:09.530 which is probably mostly wild animals,

NOTE Confidence: 0.848674033085505

00:22:09.530 --> 00:22:11.600 endangered animals and so on.

NOTE Confidence: 0.848674033085505

00:22:11.600 --> 00:22:12.950 And farm animals is just

NOTE Confidence: 0.848674033085505

00:22:12.950 --> 00:22:14.300 a small part down here,

NOTE Confidence: 0.848674033085505

00:22:14.300 --> 00:22:16.803 so I think we an if you want more on this

NOTE Confidence: 0.848674033085505

00:22:16.803 --> 00:22:19.155 have a look at Animal Charity evaluators,

NOTE Confidence: 0.848674033085505

00:22:19.160 --> 00:22:19.955 by the way,

NOTE Confidence: 0.848674033085505

00:22:19.955 --> 00:22:21.545 which is a really good website

NOTE Confidence: 0.848674033085505

00:22:21.545 --> 00:22:23.735 for looking at one of the most

NOTE Confidence: 0.848674033085505

00:22:23.735 --> 00:22:25.500 effective charities to help animals.

NOTE Confidence: 0.848674033085505

00:22:25.500 --> 00:22:27.999 So we really have a complete false

NOTE Confidence: 0.848674033085505

00:22:27.999 --> 00:22:30.713 sense of where animal suffering is

NOTE Confidence: 0.848674033085505

00:22:30.713 --> 00:22:33.920 and what we should be doing about it,

NOTE Confidence: 0.848674033085505

00:22:33.920 --> 00:22:36.698 because there's no reason to think

NOTE Confidence: 0.848674033085505

00:22:36.698 --> 00:22:40.641 that pigs or cows or chickens for that

NOTE Confidence: 0.848674033085505

00:22:40.641 --> 00:22:44.439 matter either suffer less than dogs or cats.

NOTE Confidence: 0.848674033085505

00:22:44.440 --> 00:22:46.490 And getting to those animals.

NOTE Confidence: 0.848674033085505

00:22:46.490 --> 00:22:50.162 So let me show you some slides of this.

NOTE Confidence: 0.848674033085505

00:22:50.170 --> 00:22:52.210 This is a standard chicken

NOTE Confidence: 0.848674033085505

00:22:52.210 --> 00:22:53.434 producing unit vast,

NOTE Confidence: 0.848674033085505

00:22:53.440 --> 00:22:56.296 shared with maybe 20,000 chickens in it.

NOTE Confidence: 0.848674033085505

00:22:56.300 --> 00:22:57.530 As you see,

NOTE Confidence: 0.848674033085505

00:22:57.530 --> 00:22:58.350 extremely crowded,

NOTE Confidence: 0.848674033085505

00:22:58.350 --> 00:23:00.798 and that's where they will live.

NOTE Confidence: 0.848674033085505

00:23:00.800 --> 00:23:02.850 All all of their life,

NOTE Confidence: 0.848674033085505

00:23:02.850 --> 00:23:05.671 which is not that long because they

NOTE Confidence: 0.848674033085505

00:23:05.671 --> 00:23:08.126 are bred to grow extremely fast

NOTE Confidence: 0.848674033085505

00:23:08.126 --> 00:23:11.430 and in about 6 to 7 weeks there.

NOTE Confidence: 0.848674033085505

00:23:11.430 --> 00:23:13.890 Market weight and ready for slaughter,

NOTE Confidence: 0.848674033085505

00:23:13.890 --> 00:23:18.447 and that in itself. Is a problem.

NOTE Confidence: 0.848674033085505

00:23:18.450 --> 00:23:20.300 It's why Professor John Webster,

NOTE Confidence: 0.848674033085505

00:23:20.300 --> 00:23:22.214 who is a veterinary scientists and

NOTE Confidence: 0.848674033085505

00:23:22.214 --> 00:23:24.788 the founder of a major animal Welfare

NOTE Confidence: 0.848674033085505

00:23:24.788 --> 00:23:27.672 Research Center at the University of Bristol,

NOTE Confidence: 0.848674033085505

00:23:27.680 --> 00:23:29.786 says that chicken farming is the

NOTE Confidence: 0.848674033085505

00:23:29.786 --> 00:23:31.190 single most severe systematic

NOTE Confidence: 0.848674033085505

00:23:31.252 --> 00:23:32.840 example of man's inhumanity.

NOTE Confidence: 0.848674033085505

00:23:32.840 --> 00:23:34.690 To another Santee, an animal.

NOTE Confidence: 0.848674033085505

00:23:34.690 --> 00:23:36.162 So why is that?

NOTE Confidence: 0.848674033085505

00:23:36.162 --> 00:23:37.638 You might say, well,

NOTE Confidence: 0.848674033085505

00:23:37.638 --> 00:23:38.006 look,

NOTE Confidence: 0.848674033085505

00:23:38.006 --> 00:23:39.110 they get fed,

NOTE Confidence: 0.836502552032471

00:23:39.110 --> 00:23:41.330 you know, yes, they're very crowded.

NOTE Confidence: 0.836502552032471

00:23:41.330 --> 00:23:43.538 But why is it so bad?

NOTE Confidence: 0.836502552032471

00:23:43.540 --> 00:23:46.326 Well, it is because of this question

NOTE Confidence: 0.836502552032471

00:23:46.326 --> 00:23:48.740 about breeding them to grow so fast.

NOTE Confidence: 0.836502552032471

00:23:48.740 --> 00:23:51.252 Here's a photo of a chicken in one

NOTE Confidence: 0.836502552032471

00:23:51.252 --> 00:23:53.811 of these factory farms whose legs

NOTE Confidence: 0.836502552032471

00:23:53.811 --> 00:23:56.126 have collapsed under her weight.

NOTE Confidence: 0.836502552032471

00:23:56.130 --> 00:23:58.825 This is not a position in which

NOTE Confidence: 0.836502552032471

00:23:58.825 --> 00:24:00.410 chickens would normally rest.

NOTE Confidence: 0.836502552032471

00:24:00.410 --> 00:24:02.360 Why did the lakes collapse?

NOTE Confidence: 0.836502552032471

00:24:02.360 --> 00:24:04.300 Because she's nearly ready for

NOTE Confidence: 0.836502552032471

00:24:04.300 --> 00:24:05.852 market nearly fully grown.

NOTE Confidence: 0.836502552032471

00:24:05.860 --> 00:24:07.800 She's about six weeks old,

NOTE Confidence: 0.836502552032471

00:24:07.800 --> 00:24:10.516 but she weighs what market chickens do.

NOTE Confidence: 0.836502552032471

00:24:10.520 --> 00:24:12.860 Whatever that is maybe 4 pounds,

NOTE Confidence: 0.836502552032471

00:24:12.860 --> 00:24:16.244 4 to 5 pounds, which is a completely

NOTE Confidence: 0.836502552032471

00:24:16.244 --> 00:24:18.749 unnatural wait for a bird of that.

NOTE Confidence: 0.836502552032471

00:24:18.750 --> 00:24:21.694 Age and her leg bones are still immature,

NOTE Confidence: 0.836502552032471

00:24:21.700 --> 00:24:24.220 so this is something that is known

NOTE Confidence: 0.836502552032471

00:24:24.220 --> 00:24:26.498 to happen regularly in chicken farms,

NOTE Confidence: 0.836502552032471

00:24:26.500 --> 00:24:28.873 and nobody is going to pick up

NOTE Confidence: 0.836502552032471

00:24:28.873 --> 00:24:30.930 this chicken an euthanize it.

NOTE Confidence: 0.836502552032471

00:24:30.930 --> 00:24:33.478 The chicken is going to die because

NOTE Confidence: 0.836502552032471

00:24:33.478 --> 00:24:35.719 the chicken can no longer walk,

NOTE Confidence: 0.836502552032471

00:24:35.720 --> 00:24:37.934 and this chicken is not anywhere

NOTE Confidence: 0.836502552032471

00:24:37.934 --> 00:24:39.410 near food or water.

NOTE Confidence: 0.836502552032471

00:24:39.410 --> 00:24:41.468 So this chicken is going to

NOTE Confidence: 0.836502552032471

00:24:41.468 --> 00:24:43.470 likely to die of thirst,

NOTE Confidence: 0.836502552032471

00:24:43.470 --> 00:24:44.950 or dehydration or starvation,

NOTE Confidence: 0.836502552032471

00:24:44.950 --> 00:24:47.149 because there are, as you saw,

NOTE Confidence: 0.836502552032471

00:24:47.149 --> 00:24:50.160 all of those 20,000 chickens in the shed.

NOTE Confidence: 0.836502552032471

00:24:50.160 --> 00:24:51.966 Nobody pays individual attention to the

NOTE Confidence: 0.836502552032471

00:24:51.966 --> 00:24:53.600 veterinary needs of individual chickens.

NOTE Confidence: 0.836502552032471

00:24:53.600 --> 00:24:55.170 It's just not worth it.

NOTE Confidence: 0.836502552032471

00:24:55.170 --> 00:24:56.418 Just doesn't pay their.

NOTE Confidence: 0.836502552032471

00:24:56.418 --> 00:24:57.666 They're not worth enough.

NOTE Confidence: 0.836502552032471

00:24:57.670 --> 00:25:00.222 So every maybe once a day someone will

NOTE Confidence: 0.836502552032471

00:25:00.222 --> 00:25:02.760 walk through the shed and pick up the

NOTE Confidence: 0.836502552032471

00:25:02.760 --> 00:25:05.178 corpses and collect them and take them out.

NOTE Confidence: 0.836502552032471

00:25:05.180 --> 00:25:08.477 But that's all it's going to happen.

NOTE Confidence: 0.836502552032471

00:25:08.480 --> 00:25:08.856 OK,

NOTE Confidence: 0.836502552032471

00:25:08.856 --> 00:25:11.488 here's a chart from a website called

NOTE Confidence: 0.836502552032471

00:25:11.488 --> 00:25:13.736 counting animals that shows the number

NOTE Confidence: 0.836502552032471

00:25:13.736 --> 00:25:15.872 of chickens who suffer to death.

NOTE Confidence: 0.836502552032471

00:25:15.880 --> 00:25:16.620 That is,

NOTE Confidence: 0.836502552032471

00:25:16.620 --> 00:25:19.210 who don't even make it to slaughter.

NOTE Confidence: 0.836502552032471

00:25:19.210 --> 00:25:19.581 Although,

NOTE Confidence: 0.836502552032471

00:25:19.581 --> 00:25:22.549 as I say there slaughtered at a very

NOTE Confidence: 0.836502552032471

00:25:22.549 --> 00:25:25.497 young age each year in the United States,

NOTE Confidence: 0.836502552032471

00:25:25.500 --> 00:25:29.200 so they die in the way that I just described,

NOTE Confidence: 0.836502552032471

00:25:29.200 --> 00:25:31.888 or they die from the stress of

NOTE Confidence: 0.836502552032471

00:25:31.888 --> 00:25:34.008 overcrowding or something of that sort.

NOTE Confidence: 0.836502552032471

00:25:34.010 --> 00:25:36.170 It's 100, nearly 140 million chickens

NOTE Confidence: 0.836502552032471

00:25:36.170 --> 00:25:38.839 every year or 380,000 chickens every day.

NOTE Confidence: 0.836502552032471

00:25:38.840 --> 00:25:41.059 Feel like you can count how many

NOTE Confidence: 0.836502552032471

00:25:41.059 --> 00:25:43.144 died wise while I've been talking

NOTE Confidence: 0.836502552032471

00:25:43.144 --> 00:25:45.280 that just dwarfs again the number

00:25:45.280 --> 00:25:47.292 of animals killed in shelters

00:25:47.292 --> 00:25:49.668 for an in laboratories each year,

00:25:49.670 --> 00:25:51.650 adding altogether.

00:25:51.650 --> 00:25:54.114 So those were meat chickens that I

00:25:54.114 --> 00:25:56.529 was talking about so called broilers.

00:25:56.530 --> 00:25:59.092 The chickens that I showed you earlier

00:25:59.092 --> 00:26:01.029 being debeaked the laying hens.

00:26:01.030 --> 00:26:03.459 You can see one in Frontier with

00:26:03.459 --> 00:26:05.686 a shortened off speak and that's

00:26:05.686 --> 00:26:07.900 the degree of crowding that we

00:26:07.900 --> 00:26:09.648 get in standard caged.

00:26:09.650 --> 00:26:11.895 Hence which is still predominantly

00:26:11.895 --> 00:26:14.649 the way of keeping hens laying

00:26:14.649 --> 00:26:16.779 eggs in the United States.

00:26:16.780 --> 00:26:19.220 Here you can see how the crowding leads

00:26:19.220 --> 00:26:21.386 to the birds feathers being rubbed

NOTE Confidence: 0.836502552032471

00:26:21.386 --> 00:26:24.336 off on her chest against the wire or

NOTE Confidence: 0.836502552032471

00:26:24.336 --> 00:26:26.604 against the other birds in the cage.

NOTE Confidence: 0.836502552032471

00:26:26.610 --> 00:26:28.786 And here you can see what one of

NOTE Confidence: 0.836502552032471

00:26:28.786 --> 00:26:30.837 these hands looks like if there's

NOTE Confidence: 0.836502552032471

00:26:30.837 --> 00:26:32.991 no extraordinary lucky hand and it's

NOTE Confidence: 0.836502552032471

00:26:33.059 --> 00:26:34.919 rescued by an animal organization

NOTE Confidence: 0.836502552032471

00:26:34.919 --> 00:26:37.442 rather than being taken to slaughter at

NOTE Confidence: 0.836502552032471

00:26:37.442 --> 00:26:40.850 the end of Leigh Ann is let out on grass,

NOTE Confidence: 0.836502552032471

00:26:40.850 --> 00:26:42.584 you can see how the feathers

NOTE Confidence: 0.836502552032471

00:26:42.584 --> 00:26:43.740 have been worn off

NOTE Confidence: 0.825570285320282

00:26:43.810 --> 00:26:45.596 almost everywhere, although this

NOTE Confidence: 0.825570285320282

00:26:45.596 --> 00:26:47.624 is still a relatively young bird,

NOTE Confidence: 0.825570285320282

00:26:47.630 --> 00:26:49.330 maybe 18 months old. Uh,

NOTE Confidence: 0.825570285320282

00:26:49.330 --> 00:26:51.850 and chickens can live seven or eight years,

NOTE Confidence: 0.825570285320282

00:26:51.850 --> 00:26:54.676 but because the right of way is dropping off,

NOTE Confidence: 0.825570285320282

00:26:54.680 --> 00:26:56.570 it's not economic to keep them.

NOTE Confidence: 0.825570285320282

00:26:56.570 --> 00:26:58.145 So that's why she would

NOTE Confidence: 0.825570285320282

00:26:58.145 --> 00:26:59.090 have been slaughtered.

NOTE Confidence: 0.825570285320282

00:26:59.090 --> 00:27:00.980 And now she's out on grass.

NOTE Confidence: 0.825570285320282

00:27:00.980 --> 00:27:01.925 An interesting Lee.

NOTE Confidence: 0.825570285320282

00:27:01.925 --> 00:27:04.130 As soon as she's out on grass,

NOTE Confidence: 0.825570285320282

00:27:04.130 --> 00:27:05.454 she starts chasing insects.

NOTE Confidence: 0.825570285320282

00:27:05.454 --> 00:27:08.677 She tries to build a nest from grass or straw

NOTE Confidence: 0.825570285320282

00:27:08.677 --> 00:27:11.378 before she lays her egg and she dust both.

NOTE Confidence: 0.825570285320282

00:27:11.380 --> 00:27:13.424 She gets to a dusty Patch and

NOTE Confidence: 0.825570285320282

00:27:13.424 --> 00:27:15.470 fluffs the dirt around her wings.

NOTE Confidence: 0.825570285320282

00:27:15.470 --> 00:27:17.045 These are all instincts that

NOTE Confidence: 0.825570285320282

00:27:17.045 --> 00:27:19.259 this bird has had all her life.

NOTE Confidence: 0.825570285320282

00:27:19.260 --> 00:27:22.578 And never been able to satisfy because

NOTE Confidence: 0.825570285320282

00:27:22.578 --> 00:27:26.688 she was on why are not on grass? OK,

NOTE Confidence: 0.825570285320282

00:27:26.688 --> 00:27:30.594 let's move quickly through to pig farming.

00:27:30.600 --> 00:27:32.515 See the confinement of pigs

00:27:32.515 --> 00:27:34.430 in a standard factory farm.

00:27:34.430 --> 00:27:36.350 Here crowded in small pens,

00:27:36.350 --> 00:27:38.260 again with nothing to do.

00:27:38.260 --> 00:27:40.180 Pigs a sensitive intelligent animals.

00:27:40.180 --> 00:27:42.854 If you read George Orwell's Animal Farm,

00:27:42.860 --> 00:27:44.972 you will know that he made

00:27:44.972 --> 00:27:47.450 them the boss of Animal Farm,

00:27:47.450 --> 00:27:49.365 perhaps because they are the

00:27:49.365 --> 00:27:51.280 smartest of the farm animals,

00:27:51.280 --> 00:27:53.200 and essentially they're bored there.

00:27:53.200 --> 00:27:55.755 They have nothing to do all day

00:27:55.755 --> 00:27:57.780 except eat and sleep, basically.

00:27:57.780 --> 00:27:58.890 And their mothers.

00:27:58.890 --> 00:28:01.110 The breeding size tend to get

00:28:01.176 --> 00:28:02.868 confined much more closely,

00:28:02.870 --> 00:28:04.976 often in narrow stores like this,

00:28:04.980 --> 00:28:07.304 where they can't even turn around there

00:28:07.304 --> 00:28:10.236 too big to turn around in these stalls.

00:28:10.240 --> 00:28:11.910 They can't walk more than

00:28:11.910 --> 00:28:14.110 maybe one Step 2 or throe,

00:28:14.110 --> 00:28:15.860 and even to lie down.

00:28:15.860 --> 00:28:17.816 They have to put their legs

00:28:17.816 --> 00:28:20.069 into the into the next animal.

00:28:20.070 --> 00:28:21.830 That's just all basically labor,

00:28:21.830 --> 00:28:23.768 saving there on metal slats so

00:28:23.768 --> 00:28:26.039 their manure can be hosed through.

00:28:26.040 --> 00:28:28.812 It's all to save costs and produce

00:28:28.812 --> 00:28:31.710 the product as cheaply as possible.

00:28:31.710 --> 00:28:34.430 His she is when she gives birth she's

00:28:34.430 --> 00:28:36.428 again confined in a different way.

NOTE Confidence: 0.825570285320282

00:28:36.430 --> 00:28:38.368 Faring crate and she becomes a

NOTE Confidence: 0.825570285320282

00:28:38.368 --> 00:28:40.366 kind of milking machine for her

NOTE Confidence: 0.825570285320282

00:28:40.366 --> 00:28:41.981 piglets until they're taken from

NOTE Confidence: 0.825570285320282

00:28:41.981 --> 00:28:43.716 her and she's given artificially

NOTE Confidence: 0.825570285320282

00:28:43.716 --> 00:28:46.187 given hormones to be going on heat

NOTE Confidence: 0.825570285320282

00:28:46.187 --> 00:28:48.055 again so she can be inseminated

NOTE Confidence: 0.825570285320282

00:28:48.055 --> 00:28:50.749 or put with a bore and the whole

NOTE Confidence: 0.825570285320282

00:28:50.749 --> 00:28:52.599 cycle goes around once again.

NOTE Confidence: 0.801204681396484

00:28:54.680 --> 00:28:55.922 Moving to cattle.

NOTE Confidence: 0.801204681396484

00:28:55.922 --> 00:28:58.820 This is a beef feed lot somewhere

NOTE Confidence: 0.801204681396484

00:28:58.908 --> 00:29:00.940 out in America's Midwest.

NOTE Confidence: 0.801204681396484

00:29:00.940 --> 00:29:03.616 It's a vast number of animals.

NOTE Confidence: 0.801204681396484

00:29:03.620 --> 00:29:05.855 Obviously, they're not as crowded

NOTE Confidence: 0.801204681396484

00:29:05.855 --> 00:29:08.090 as the animals you've seen,

NOTE Confidence: 0.801204681396484

00:29:08.090 --> 00:29:11.114 but it is unnatural conditions for them

NOTE Confidence: 0.801204681396484

00:29:11.114 --> 00:29:14.799 to be fed on corn rather than grass.

NOTE Confidence: 0.801204681396484

00:29:14.800 --> 00:29:18.968 It's also as I come to an immense

NOTE Confidence: 0.801204681396484

00:29:18.968 --> 00:29:20.930 methane producing factory.

NOTE Confidence: 0.801204681396484

00:29:20.930 --> 00:29:22.510 And it's a highly inefficient

NOTE Confidence: 0.801204681396484

00:29:22.510 --> 00:29:24.450 way of producing food as well,

NOTE Confidence: 0.801204681396484

00:29:24.450 --> 00:29:27.070 but we'll come to that.

NOTE Confidence: 0.801204681396484

00:29:27.070 --> 00:29:29.160 Now is Thanksgiving is approaching.

NOTE Confidence: 0.801204681396484

00:29:29.160 --> 00:29:32.488 I thought I would show you some turkeys,

NOTE Confidence: 0.801204681396484

00:29:32.490 --> 00:29:34.580 basically rather like chicken production.

NOTE Confidence: 0.801204681396484

00:29:34.580 --> 00:29:36.660 Again, maybe thousands of birds

NOTE Confidence: 0.801204681396484

00:29:36.660 --> 00:29:40.480 in a single shared, very crowded.

NOTE Confidence: 0.801204681396484

00:29:40.480 --> 00:29:42.290 But there is one difference,

NOTE Confidence: 0.801204681396484

00:29:42.290 --> 00:29:44.915 and that is that because Turkey turkeys

NOTE Confidence: 0.801204681396484

00:29:44.915 --> 00:29:48.057 have been bred to have a very large breast,

NOTE Confidence: 0.801204681396484

00:29:48.060 --> 00:29:49.504 they cannot mate naturally.

NOTE Confidence: 0.801204681396484

00:29:49.504 --> 00:29:50.948 So essentially every Turkey.

NOTE Confidence: 0.801204681396484

00:29:50.950 --> 00:29:52.394 There are some exceptions.

NOTE Confidence: 0.801204681396484

00:29:52.394 --> 00:29:54.560 The heritage breeds that are outside.

NOTE Confidence: 0.801204681396484

00:29:54.560 --> 00:29:55.198 It's tiny,

NOTE Confidence: 0.801204681396484

00:29:55.198 --> 00:29:56.793 tiny percentage of the turkeys

NOTE Confidence: 0.801204681396484

00:29:56.793 --> 00:29:58.530 Americans eat at Thanksgiving,

NOTE Confidence: 0.801204681396484

00:29:58.530 --> 00:30:00.492 but essentially every American Turkey has

NOTE Confidence: 0.801204681396484

00:30:00.492 --> 00:30:02.500 the result of artificial insemination,

NOTE Confidence: 0.801204681396484

00:30:02.500 --> 00:30:04.468 which means that there is somebody

NOTE Confidence: 0.801204681396484

00:30:04.468 --> 00:30:07.030 whose job it is to masturbate the

NOTE Confidence: 0.801204681396484

00:30:07.030 --> 00:30:09.000 male turkeys to collect sperm,

NOTE Confidence: 0.801204681396484

00:30:09.000 --> 00:30:11.569 and someone else whose job it is.

NOTE Confidence: 0.801204681396484

00:30:11.570 --> 00:30:14.506 To inject that sperm into the female Turkey,

NOTE Confidence: 0.801204681396484

00:30:14.510 --> 00:30:16.330 which is certainly a procedure

NOTE Confidence: 0.801204681396484

00:30:16.330 --> 00:30:18.150 that she's been through many

NOTE Confidence: 0.801204681396484

00:30:18.218 --> 00:30:20.376 times because he's a breeder, Ann.

NOTE Confidence: 0.801204681396484

00:30:20.376 --> 00:30:23.304 She hates, she struggles and tries to resist.

NOTE Confidence: 0.801204681396484

00:30:23.310 --> 00:30:25.879 While that is being done to her,

NOTE Confidence: 0.801204681396484

00:30:25.880 --> 00:30:26.252 understandably.

NOTE Confidence: 0.801204681396484

00:30:26.252 --> 00:30:29.228 So if you want a new topic of

NOTE Confidence: 0.801204681396484

00:30:29.228 --> 00:30:30.775 conversation around the Thanksgiving

NOTE Confidence: 0.801204681396484

00:30:30.775 --> 00:30:32.995 table and a couple of weeks,

NOTE Confidence: 0.801204681396484

00:30:33.000 --> 00:30:35.317 and if a Turkey is being served,

NOTE Confidence: 0.801204681396484

00:30:35.320 --> 00:30:37.132 you might ask if people know

NOTE Confidence: 0.801204681396484

00:30:37.132 --> 00:30:38.970 how that Turkey was produced.

NOTE Confidence: 0.847936868667603

00:30:41.330 --> 00:30:43.898 OK, I said a moment ago that that

NOTE Confidence: 0.847936868667603

00:30:43.898 --> 00:30:46.972 beef feed lot that you saw is a very

NOTE Confidence: 0.847936868667603

00:30:46.972 --> 00:30:49.179 inefficient way of producing food.

NOTE Confidence: 0.847936868667603

00:30:49.180 --> 00:30:51.732 Alot of people say when you raise the

NOTE Confidence: 0.847936868667603

00:30:51.732 --> 00:30:54.537 issue of factory farming they say, well,

NOTE Confidence: 0.847936868667603

00:30:54.537 --> 00:30:56.679 the world has a growing population.

NOTE Confidence: 0.847936868667603

00:30:56.680 --> 00:30:59.884 We need to do this to feed the world.

NOTE Confidence: 0.847936868667603

00:30:59.890 --> 00:31:01.675 But feeding grain to animals

NOTE Confidence: 0.847936868667603

00:31:01.675 --> 00:31:03.460 is a waste of food.

NOTE Confidence: 0.847936868667603

00:31:03.460 --> 00:31:05.250 It doesn't produce more food,

NOTE Confidence: 0.847936868667603

00:31:05.250 --> 00:31:08.454 it produces less food as you can see here.

NOTE Confidence: 0.847936868667603

00:31:08.460 --> 00:31:10.602 So the vast US grain crop

NOTE Confidence: 0.847936868667603

00:31:10.602 --> 00:31:12.814 we're feeding about 70% of it.

NOTE Confidence: 0.847936868667603

00:31:12.814 --> 00:31:15.558 2 animals I either in this country

NOTE Confidence: 0.847936868667603

00:31:15.558 --> 00:31:18.809 or it's exported for that purpose.

NOTE Confidence: 0.847936868667603

00:31:18.810 --> 00:31:22.310 And on average it takes 6 pounds

NOTE Confidence: 0.847936868667603

00:31:22.310 --> 00:31:25.751 of feed protein to produce £1 of

NOTE Confidence: 0.847936868667603

00:31:25.751 --> 00:31:29.121 meat protein that can go as high

NOTE Confidence: 0.847936868667603

00:31:29.121 --> 00:31:32.691 as 12:50 ratio for some beef cattle

NOTE Confidence: 0.847936868667603

00:31:32.691 --> 00:31:35.965 and goes lower 4 bit lower for

NOTE Confidence: 0.847936868667603

00:31:35.965 --> 00:31:39.190 pigs and lower still for chickens.

NOTE Confidence: 0.847936868667603

00:31:39.190 --> 00:31:42.710 But in all of these cases we are

00:31:42.710 --> 00:31:45.659 producing more food and essentially.

00:31:45.660 --> 00:31:46.760 Putting it,

00:31:46.760 --> 00:31:49.510 feeding it into animals and

00:31:49.510 --> 00:31:52.320 getting less food at the end.

00:31:52.320 --> 00:31:54.240 And here's another way of showing

00:31:54.240 --> 00:31:55.970 this from AUS government source.

00:31:55.970 --> 00:31:57.951 How many pans of usable protein can

00:31:57.951 --> 00:32:00.363 you get per acre from different crops

00:32:00.363 --> 00:32:02.607 or different ways of producing food?

00:32:02.610 --> 00:32:04.644 And you see that the soybeans

00:32:04.644 --> 00:32:07.259 are right up the top on the left,

00:32:07.260 --> 00:32:09.916 then you get a lot of other grains.

00:32:09.920 --> 00:32:11.575 And the remarkable thing about

00:32:11.575 --> 00:32:13.564 this is it's protein, not calories,

00:32:13.564 --> 00:32:15.556 and you still even from corn.

00:32:15.560 --> 00:32:17.779 You get a lot more protein than

NOTE Confidence: 0.847936868667603

00:32:17.779 --> 00:32:20.208 you do from down in the bottom.

NOTE Confidence: 0.847936868667603

00:32:20.210 --> 00:32:21.870 The animal product, the milk,

NOTE Confidence: 0.847936868667603

00:32:21.870 --> 00:32:23.098 the eggs, the meat.

NOTE Confidence: 0.847936868667603

00:32:23.098 --> 00:32:25.629 For cones and West of all the beef.

NOTE Confidence: 0.883512198925018

00:32:27.680 --> 00:32:31.180 I now want to briefly move to

NOTE Confidence: 0.883512198925018

00:32:31.180 --> 00:32:33.440 questions about climate change,

NOTE Confidence: 0.883512198925018

00:32:33.440 --> 00:32:37.640 the saving the planet part of this equation,

NOTE Confidence: 0.883512198925018

00:32:37.640 --> 00:32:41.161 which is also really important. So.

NOTE Confidence: 0.883512198925018

00:32:41.161 --> 00:32:45.368 How do we reduce greenhouse gas emissions?

NOTE Confidence: 0.883512198925018

00:32:45.370 --> 00:32:48.070 I'm not going to make the case for why we

NOTE Confidence: 0.883512198925018

00:32:48.144 --> 00:32:51.049 need to reduce our greenhouse gas emissions.

NOTE Confidence: 0.883512198925018

00:32:51.050 --> 00:32:53.374 I hope that you or understand that,

NOTE Confidence: 0.883512198925018

00:32:53.380 --> 00:32:54.704 and if not going,

NOTE Confidence: 0.883512198925018

00:32:54.704 --> 00:32:57.420 read one of the basic websites and I

NOTE Confidence: 0.883512198925018

00:32:57.420 --> 00:32:59.723 think that case is made very clearly.

NOTE Confidence: 0.883512198925018

00:32:59.730 --> 00:33:02.166 So one way of reducing your greenhouse

NOTE Confidence: 0.883512198925018

00:33:02.166 --> 00:33:05.024 gas emissions if you drive a car is to

NOTE Confidence: 0.883512198925018

00:33:05.024 --> 00:33:07.080 switch from your typical American car.

NOTE Confidence: 0.883512198925018

00:33:07.080 --> 00:33:09.078 Shown here is a Toyota Camry,

NOTE Confidence: 0.883512198925018

00:33:09.080 --> 00:33:11.243 sort of middle of the range American

NOTE Confidence: 0.883512198925018

00:33:11.243 --> 00:33:13.439 car in terms of fuel efficiency.

NOTE Confidence: 0.883512198925018

00:33:13.440 --> 00:33:15.636 To a hybrid, like a Prius,

NOTE Confidence: 0.883512198925018

00:33:15.640 --> 00:33:18.656 and if the average US driver doing that

NOTE Confidence: 0.883512198925018

00:33:18.656 --> 00:33:21.879 will save about a ton of carbon per year,

NOTE Confidence: 0.883512198925018

00:33:21.880 --> 00:33:24.076 truly a good thing to do.

NOTE Confidence: 0.883512198925018

00:33:24.080 --> 00:33:25.860 Significant part of your

NOTE Confidence: 0.883512198925018

00:33:25.860 --> 00:33:27.195 greenhouse gas emissions.

NOTE Confidence: 0.883512198925018

00:33:27.200 --> 00:33:29.108 But suppose that you the average

NOTE Confidence: 0.883512198925018

00:33:29.108 --> 00:33:30.380 euros consumer switches from

NOTE Confidence: 0.883512198925018

00:33:30.434 --> 00:33:31.790 the typical American diet,

NOTE Confidence: 0.883512198925018

00:33:31.790 --> 00:33:34.974 which is a diet pretty heavy and beef.

00:33:34.980 --> 00:33:38.229 To a vegan diet with the same number of

00:33:38.229 --> 00:33:40.848 calories you'll save even more carbon.

00:33:40.850 --> 00:33:43.580 1 1/2 tons of carbon per year.

00:33:43.580 --> 00:33:45.878 So whether or not you become

00:33:45.878 --> 00:33:48.268 strictly vegan or you simply reduce

00:33:48.268 --> 00:33:51.005 the amount of beef in your diet,

00:33:51.010 --> 00:33:52.965 these are important steps towards

00:33:52.965 --> 00:33:54.920 reducing your greenhouse gas footprint.

00:33:57.450 --> 00:33:59.916 And how important is that agricultural

00:33:59.916 --> 00:34:01.560 footprint of greenhouse gases?

00:34:01.560 --> 00:34:03.620 The livestock footprint in particular.

00:34:03.620 --> 00:34:05.016 So here's a statement.

00:34:05.016 --> 00:34:08.402 A few years ago from the United Nations

00:34:08.402 --> 00:34:10.830 Food and Agriculture Organization.

00:34:10.830 --> 00:34:14.388 Which says the livestock sector generates

NOTE Confidence: 0.875425636768341

00:34:14.388 --> 00:34:17.283 more greenhouse gas emissions than

NOTE Confidence: 0.875425636768341

00:34:17.283 --> 00:34:19.887 the whole transport sector than all

NOTE Confidence: 0.875425636768341

00:34:19.887 --> 00:34:23.494 of the cars and planes and trains and

NOTE Confidence: 0.875425636768341

00:34:23.494 --> 00:34:26.079 ships and trucks around the world.

NOTE Confidence: 0.875425636768341

00:34:26.079 --> 00:34:27.924 I think that statement has

NOTE Confidence: 0.875425636768341

00:34:27.924 --> 00:34:29.400 stood out fairly well.

NOTE Confidence: 0.875425636768341

00:34:29.400 --> 00:34:31.518 It's being contested in both directions.

NOTE Confidence: 0.875425636768341

00:34:31.520 --> 00:34:34.689 Some people have said it's no, it's only 14%.

NOTE Confidence: 0.875425636768341

00:34:34.689 --> 00:34:36.454 I've seen that figure quoted.

NOTE Confidence: 0.875425636768341

00:34:36.460 --> 00:34:38.338 Some people have said it's a

NOTE Confidence: 0.875425636768341

00:34:38.338 --> 00:34:40.029 significant under estimate of the

NOTE Confidence: 0.875425636768341

00:34:40.029 --> 00:34:41.919 amount of greenhouse gas emissions

NOTE Confidence: 0.875425636768341

00:34:41.919 --> 00:34:43.870 generated through the livestock sector,

NOTE Confidence: 0.875425636768341

00:34:43.870 --> 00:34:45.635 but it's it's certainly quite

NOTE Confidence: 0.875425636768341

00:34:45.635 --> 00:34:47.804 a significant part of it, and.

NOTE Confidence: 0.875425636768341

00:34:47.804 --> 00:34:50.228 It's also a part that's easier

NOTE Confidence: 0.875425636768341

00:34:50.228 --> 00:34:52.544 to change really than changing

NOTE Confidence: 0.875425636768341

00:34:52.544 --> 00:34:55.099 the way we generate electricity.

NOTE Confidence: 0.875425636768341

00:34:55.100 --> 00:34:55.954 For example.

NOTE Confidence: 0.875425636768341

00:34:55.954 --> 00:34:58.089 Certainly something that we as

NOTE Confidence: 0.875425636768341

00:34:58.089 --> 00:35:00.619 individuals have much more control over.

NOTE Confidence: 0.875425636768341

00:35:00.620 --> 00:35:03.086 We can choose what we're going

NOTE Confidence: 0.875425636768341

00:35:03.086 --> 00:35:05.700 to eat from your next meal.

NOTE Confidence: 0.875425636768341

00:35:05.700 --> 00:35:06.915 If you like,

NOTE Confidence: 0.875425636768341

00:35:06.915 --> 00:35:09.345 you can't choose how you're going

NOTE Confidence: 0.875425636768341

00:35:09.345 --> 00:35:12.486 to power your house or your office,

NOTE Confidence: 0.875425636768341

00:35:12.490 --> 00:35:15.507 nor perhaps how you're going to travel.

NOTE Confidence: 0.875425636768341

00:35:15.510 --> 00:35:16.404 Quite as easily,

NOTE Confidence: 0.875425636768341

00:35:16.404 --> 00:35:18.192 unless you live in walking or

NOTE Confidence: 0.875425636768341

00:35:18.192 --> 00:35:19.740 biking range of your office.

NOTE Confidence: 0.875425636768341

00:35:19.740 --> 00:35:20.340 For example,

NOTE Confidence: 0.875425636768341

00:35:20.340 --> 00:35:22.440 it may be difficult to get there

NOTE Confidence: 0.875425636768341

00:35:22.440 --> 00:35:24.267 without using some fossil fuel may

NOTE Confidence: 0.875425636768341

00:35:24.267 --> 00:35:26.080 be difficult to heat your home.

NOTE Confidence: 0.875425636768341

00:35:26.080 --> 00:35:28.496 You may not have control over those things,

NOTE Confidence: 0.875425636768341

00:35:28.500 --> 00:35:31.209 but you do have control over what you eat.

NOTE Confidence: 0.840570390224457

00:35:33.280 --> 00:35:34.868 And here's another chart

NOTE Confidence: 0.840570390224457

00:35:34.868 --> 00:35:36.456 showing the different things.

NOTE Confidence: 0.840570390224457

00:35:36.460 --> 00:35:38.848 This is a little bit small.

NOTE Confidence: 0.840570390224457

00:35:38.850 --> 00:35:42.830 I'm not sure if we can make a little larger,

NOTE Confidence: 0.840570390224457

00:35:42.830 --> 00:35:46.151 but what you what we're looking at is the

NOTE Confidence: 0.840570390224457

00:35:46.151 --> 00:35:48.797 greenhouse gas emissions of various foods,

NOTE Confidence: 0.840570390224457

00:35:48.800 --> 00:35:51.906 and as you see here, the top line.

NOTE Confidence: 0.840570390224457

00:35:51.906 --> 00:35:55.012 If you can read that is beef so

NOTE Confidence: 0.840570390224457

00:35:55.012 --> 00:35:57.868 you can see how far that extends

NOTE Confidence: 0.840570390224457

00:35:57.868 --> 00:36:00.369 beyond any of the other bars.

NOTE Confidence: 0.840570390224457

00:36:00.370 --> 00:36:03.178 The green is what happens through

NOTE Confidence: 0.840570390224457

00:36:03.178 --> 00:36:06.570 land use change and the Brown is

NOTE Confidence: 0.840570390224457

00:36:06.570 --> 00:36:08.955 the methane production which is

NOTE Confidence: 0.840570390224457

00:36:08.955 --> 00:36:12.292 the major reason why beef is so

NOTE Confidence: 0.840570390224457

00:36:12.292 --> 00:36:14.587 carbon intensive or methane as

NOTE Confidence: 0.840570390224457

00:36:14.590 --> 00:36:16.960 carbon equivalent because of them.

NOTE Confidence: 0.840570390224457

00:36:16.960 --> 00:36:19.300 The methane they produce through

NOTE Confidence: 0.840570390224457

00:36:19.300 --> 00:36:21.640 their digestive process and lamb

NOTE Confidence: 0.840570390224457

00:36:21.717 --> 00:36:24.077 and mutton come next because

NOTE Confidence: 0.840570390224457

00:36:24.077 --> 00:36:25.965 they're also ruminant animals.

NOTE Confidence: 0.840570390224457

00:36:25.970 --> 00:36:26.904 They also.

NOTE Confidence: 0.840570390224457

00:36:26.904 --> 00:36:29.239 Produce methane during their digestion,

NOTE Confidence: 0.840570390224457

00:36:29.240 --> 00:36:33.398 so their next and cheese is the third rank,

NOTE Confidence: 0.840570390224457

00:36:33.400 --> 00:36:36.879 because that comes from cars who produce

NOTE Confidence: 0.840570390224457

00:36:36.879 --> 00:36:40.513 methane and beef taken from a dairy herd

NOTE Confidence: 0.840570390224457

00:36:40.513 --> 00:36:44.048 that is the male calves reared for beef.

NOTE Confidence: 0.840570390224457

00:36:44.050 --> 00:36:48.280 Is there, then you get a couple of things

NOTE Confidence: 0.840570390224457

00:36:48.280 --> 00:36:51.920 that are not a major part of Dyett.

NOTE Confidence: 0.840570390224457

00:36:51.920 --> 00:36:53.960 Really chocolate and coffee.

NOTE Confidence: 0.840570390224457

00:36:53.960 --> 00:36:57.989 And then you get other prawns and so on.

NOTE Confidence: 0.840570390224457

00:36:57.990 --> 00:36:59.810 Pig meat is down there.

NOTE Confidence: 0.840570390224457

00:36:59.810 --> 00:37:02.344 Poultry meat is a little bit lower.

NOTE Confidence: 0.840570390224457

00:37:02.350 --> 00:37:03.622 Eggs there an.

NOTE Confidence: 0.840570390224457

00:37:03.622 --> 00:37:06.590 Write down the very bottom line on

NOTE Confidence: 0.840570390224457

00:37:06.683 --> 00:37:09.889 this chart is ground nuts or peanuts,

NOTE Confidence: 0.840570390224457

00:37:09.890 --> 00:37:10.692 so certainly.

NOTE Confidence: 0.840570390224457

00:37:10.692 --> 00:37:12.697 Plants, plant foods and legumes

NOTE Confidence: 0.840570390224457

00:37:12.697 --> 00:37:15.238 far lower than the animal product.

NOTE Confidence: 0.840570390224457

00:37:15.240 --> 00:37:17.352 As this chart shows,

NOTE Confidence: 0.840570390224457

00:37:17.352 --> 00:37:21.190 this is taken from world in data.

NOTE Confidence: 0.840570390224457

00:37:21.190 --> 00:37:22.729 And sorry OK,

NOTE Confidence: 0.840570390224457

00:37:22.729 --> 00:37:24.268 one more slide.

NOTE Confidence: 0.840570390224457

00:37:24.270 --> 00:37:26.830 Also maybe a little small.

NOTE Confidence: 0.840570390224457

00:37:26.830 --> 00:37:29.400 Let me show you this.

NOTE Confidence: 0.840570390224457

00:37:29.400 --> 00:37:33.150 Is this really two chats so?

NOTE Confidence: 0.840570390224457

00:37:33.150 --> 00:37:35.430 As you're interested in medical issues,

NOTE Confidence: 0.840570390224457

00:37:35.430 --> 00:37:38.265 I thought I would show you that the chat

NOTE Confidence: 0.840570390224457

00:37:38.265 --> 00:37:41.509 on the left compares two different things.

NOTE Confidence: 0.840570390224457

00:37:41.510 --> 00:37:43.832 The horizontal axis is the relative

NOTE Confidence: 0.840570390224457

00:37:43.832 --> 00:37:46.148 risk of dying that comes from

NOTE Confidence: 0.840570390224457

00:37:46.148 --> 00:37:48.212 one extra serving per day of

NOTE Confidence: 0.840570390224457

00:37:48.212 --> 00:37:50.630 the food that you're looking at,

NOTE Confidence: 0.840570390224457

00:37:50.630 --> 00:37:52.910 and the vertical axis is the

NOTE Confidence: 0.840570390224457

00:37:52.910 --> 00:37:54.050 relative environmental impact.

NOTE Confidence: 0.840570390224457

00:37:54.050 --> 00:37:56.900 So the interesting thing is that.

NOTE Confidence: 0.840570390224457

00:37:56.900 --> 00:38:01.156 Red meat basically well along with eggs.

NOTE Confidence: 0.840570390224457

00:38:01.160 --> 00:38:04.130 The major things that increase

NOTE Confidence: 0.840570390224457

00:38:04.130 --> 00:38:07.100 your relative risk of dying

NOTE Confidence: 0.840570390224457

00:38:07.209 --> 00:38:09.669 with processed red meat,

NOTE Confidence: 0.840570390224457

00:38:09.670 --> 00:38:13.330 things like sausage being the worst.

NOTE Confidence: 0.840570390224457

00:38:13.330 --> 00:38:16.034 And unprocessed red meat

NOTE Confidence: 0.840570390224457

00:38:16.034 --> 00:38:19.414 and eggs being the next.

NOTE Confidence: 0.840570390224457

00:38:19.420 --> 00:38:21.418 And of course, unprocessed red meat.

NOTE Confidence: 0.840570390224457

00:38:21.420 --> 00:38:22.464 As I've already said,

NOTE Confidence: 0.840570390224457

00:38:22.464 --> 00:38:24.030 is the worst in terms of

NOTE Confidence: 0.840570390224457

00:38:24.091 --> 00:38:26.079 environmental impact and processed.

NOTE Confidence: 0.840570390224457

00:38:26.080 --> 00:38:28.404 Red meat is pretty bad as well,

NOTE Confidence: 0.840570390224457

00:38:28.410 --> 00:38:30.492 and then other animal products and

NOTE Confidence: 0.840570390224457

00:38:30.492 --> 00:38:32.633 you see that vegetables and nuts

NOTE Confidence: 0.840570390224457

00:38:32.633 --> 00:38:34.368 down the bottom for environmental

NOTE Confidence: 0.840570390224457

00:38:34.368 --> 00:38:36.641 impact and also very much to the

NOTE Confidence: 0.840570390224457

00:38:36.641 --> 00:38:38.399 left for relative risk of dying.

NOTE Confidence: 0.840570390224457

00:38:38.400 --> 00:38:41.417 In fact, eating more servings of them.

NOTE Confidence: 0.840570390224457

00:38:41.420 --> 00:38:43.688 Reduces your relative risk of dying,

NOTE Confidence: 0.840570390224457

00:38:43.690 --> 00:38:46.091 in contrast to the things to the

NOTE Confidence: 0.840570390224457

00:38:46.091 --> 00:38:48.240 right of that vertical line,

NOTE Confidence: 0.840570390224457

00:38:48.240 --> 00:38:50.508 which will increase your relative risk

NOTE Confidence: 0.840570390224457

00:38:50.508 --> 00:38:54.430 of dying. And are all animal product.

NOTE Confidence: 0.840570390224457

00:38:54.430 --> 00:38:56.796 And on the left hand side what

NOTE Confidence: 0.840570390224457

00:38:56.796 --> 00:39:00.041 you get is the US greenhouse gas

NOTE Confidence: 0.840570390224457

00:39:00.041 --> 00:39:02.185 footprints of different diets.

NOTE Confidence: 0.840570390224457

00:39:02.190 --> 00:39:06.500 So the average diet at the top is the worst.

NOTE Confidence: 0.840570390224457

00:39:06.500 --> 00:39:08.655 A diet with reduced quantities

NOTE Confidence: 0.840570390224457

00:39:08.655 --> 00:39:10.379 of meat is better.

NOTE Confidence: 0.840570390224457

00:39:10.380 --> 00:39:12.480 A diet with reduced quantities

NOTE Confidence: 0.840570390224457

00:39:12.480 --> 00:39:14.580 of meat and no dairy

NOTE Confidence: 0.831040263175964

00:39:14.662 --> 00:39:15.979 is better still.

NOTE Confidence: 0.831040263175964

00:39:15.980 --> 00:39:17.970 A vegetarian diet is better

00:39:17.970 --> 00:39:20.515 still a kind of flexible vegan

00:39:20.515 --> 00:39:22.875 diet where you're mostly vegan.

00:39:22.880 --> 00:39:25.120 2/3 vegan is better still.

00:39:25.120 --> 00:39:28.560 And they can die comes out best of

00:39:28.560 --> 00:39:32.258 all in terms of greenhouse gases,

00:39:32.260 --> 00:39:35.837 so that's another powerful reason why we.

00:39:35.840 --> 00:39:38.087 Or to be shifting in that direction

00:39:38.087 --> 00:39:40.100 in the direction of a vegan diet.

00:39:40.100 --> 00:39:42.228 Whether or not you manage to be

00:39:42.228 --> 00:39:44.048 completely vegan or not, I think,

00:39:44.048 --> 00:39:46.176 is not really the critical ethical point.

00:39:46.180 --> 00:39:48.084 I think it's moving in that direction

00:39:48.084 --> 00:39:50.129 to reduce our greenhouse gas impact.

00:39:50.130 --> 00:39:52.895 And of course your complicity in the

00:39:52.895 --> 00:39:54.900 animal suffering that I've shown.

00:39:54.900 --> 00:39:55.752 Now very briefly,

NOTE Confidence: 0.831040263175964

00:39:55.752 --> 00:39:58.092 'cause I do want to make sure that

NOTE Confidence: 0.831040263175964

00:39:58.092 --> 00:40:00.080 I have time for questions just a

NOTE Confidence: 0.831040263175964

00:40:00.080 --> 00:40:02.049 minute so he's gone wrong there.

NOTE Confidence: 0.831040263175964

00:40:02.050 --> 00:40:03.073 OK, very briefly,

NOTE Confidence: 0.831040263175964

00:40:03.073 --> 00:40:06.779 I want to say a little bit about pandemics.

NOTE Confidence: 0.831040263175964

00:40:06.780 --> 00:40:09.924 Since we're in the middle of that situation.

NOTE Confidence: 0.831040263175964

00:40:09.930 --> 00:40:16.716 We we we know that the present pandemic has

NOTE Confidence: 0.831040263175964

00:40:16.716 --> 00:40:22.142 arisen from the transmission of viruses

NOTE Confidence: 0.831040263175964

00:40:22.142 --> 00:40:28.330 from non human wild animals to humans.

NOTE Confidence: 0.831040263175964

00:40:28.330 --> 00:40:31.298 It's believed that the Corona of the

NOTE Confidence: 0.831040263175964

00:40:31.298 --> 00:40:33.749 novel coronavirus has come from bats.

NOTE Confidence: 0.831040263175964

00:40:33.750 --> 00:40:36.204 That's the most likely and probably

NOTE Confidence: 0.831040263175964

00:40:36.204 --> 00:40:38.760 transmitted from bats preps to pangolins,

NOTE Confidence: 0.831040263175964

00:40:38.760 --> 00:40:42.930 which is a an animal that is eaten in China.

NOTE Confidence: 0.831040263175964

00:40:42.930 --> 00:40:45.835 Prize is a delicacy and it's thought,

00:40:45.840 --> 00:40:47.636 although it's not completely

00:40:47.636 --> 00:40:49.881 certain that the transmission came

00:40:49.881 --> 00:40:51.728 through the Wuhan wet market.

00:40:51.730 --> 00:40:54.313 If you're not familiar with water wet

00:40:54.313 --> 00:40:57.236 market is it's a market at which live

00:40:57.236 --> 00:40:59.759 animals are caged and held by stalls.

00:40:59.760 --> 00:41:01.585 The customer comes along points

00:41:01.585 --> 00:41:03.045 to an animal says,

00:41:03.050 --> 00:41:06.098 I'll have that one and the animals then

00:41:06.098 --> 00:41:08.927 slaughtered on the spot and the corpse of

00:41:08.927 --> 00:41:11.810 the animal is handed over to the customer,

00:41:11.810 --> 00:41:15.086 who is then going to eat it.

00:41:15.090 --> 00:41:15.502 Obviously,

00:41:15.502 --> 00:41:17.974 if you have many different species

00:41:17.974 --> 00:41:20.900 of animals as the Wuhan market has

00:41:20.900 --> 00:41:23.330 wild animals being caught because for

NOTE Confidence: 0.831040263175964

00:41:23.399 --> 00:41:25.703 one reason or another there regarded

NOTE Confidence: 0.831040263175964

00:41:25.703 --> 00:41:28.497 as something to be eaten in China,

NOTE Confidence: 0.831040263175964

00:41:28.497 --> 00:41:31.430 then you get different species mixing and

NOTE Confidence: 0.831040263175964

00:41:31.511 --> 00:41:34.527 you get you have humans around there too.

NOTE Confidence: 0.831040263175964

00:41:34.530 --> 00:41:36.555 So viruses can be transmitted

NOTE Confidence: 0.831040263175964

00:41:36.555 --> 00:41:38.580 from one to the other.

NOTE Confidence: 0.831040263175964

00:41:38.580 --> 00:41:41.562 You have a sensually the animals shitting

NOTE Confidence: 0.831040263175964

00:41:41.562 --> 00:41:45.056 all over the place on top of each other,

NOTE Confidence: 0.831040263175964

00:41:45.060 --> 00:41:47.140 and that's another source of.

NOTE Confidence: 0.831040263175964

00:41:47.140 --> 00:41:48.216 Poor hygiene,

NOTE Confidence: 0.831040263175964

00:41:48.216 --> 00:41:48.754 clearly.

NOTE Confidence: 0.831040263175964

00:41:48.754 --> 00:41:52.520 And then you have the animals being

NOTE Confidence: 0.831040263175964

00:41:52.619 --> 00:41:55.847 slaughtered on the same table and

NOTE Confidence: 0.831040263175964

00:41:55.847 --> 00:41:59.118 the blood running around it as well.

NOTE Confidence: 0.831040263175964

00:41:59.120 --> 00:42:01.495 So they're very unhygienic places

00:42:01.495 --> 00:42:04.483 and it's very likely that that's

00:42:04.483 --> 00:42:07.627 why we are suffering through the

00:42:07.627 --> 00:42:10.411 coronavirus pandemic with all of

00:42:10.411 --> 00:42:12.667 its enormous economic implications,

00:42:12.670 --> 00:42:15.508 as well as having killed well

00:42:15.508 --> 00:42:18.430 over a million people worldwide.

00:42:18.430 --> 00:42:20.560 238 thousand Americans, I think,

00:42:20.560 --> 00:42:24.200 was the last figure that I saw.

00:42:24.200 --> 00:42:26.342 So certainly we want to reduce

00:42:26.342 --> 00:42:28.503 the risks of pandemics and trying

00:42:28.503 --> 00:42:30.483 to get wet markets closed would

00:42:30.483 --> 00:42:32.428 be one way of doing that.

00:42:32.430 --> 00:42:35.538 But there is another risk as well.

00:42:35.540 --> 00:42:38.284 Which is closer to home and more within

00:42:38.284 --> 00:42:41.278 our power and that is factory farms again,

00:42:41.280 --> 00:42:43.566 so the previous pandemic to this

NOTE Confidence: 0.831040263175964

00:42:43.566 --> 00:42:45.090 novel coronavirus pandemic was

NOTE Confidence: 0.831040263175964

00:42:45.154 --> 00:42:47.026 the swine flu pandemic of 2009.

NOTE Confidence: 0.864011406898499

00:42:47.030 --> 00:42:49.136 You might say, how come I

NOTE Confidence: 0.864011406898499

00:42:49.136 --> 00:42:50.980 didn't hear much about that?

NOTE Confidence: 0.864011406898499

00:42:50.980 --> 00:42:53.128 Certainly, compared to the present pandemic,

NOTE Confidence: 0.864011406898499

00:42:53.130 --> 00:42:56.352 you didn't hear very much about it at all.

NOTE Confidence: 0.864011406898499

00:42:56.360 --> 00:42:59.186 The reason for that is that most of the

NOTE Confidence: 0.864011406898499

00:42:59.186 --> 00:43:01.860 people who killed were in low income

NOTE Confidence: 0.864011406898499

00:43:01.860 --> 00:43:04.618 countries didn't kill many Americans at all,

NOTE Confidence: 0.864011406898499

00:43:04.620 --> 00:43:06.470 but it did kill the.

NOTE Confidence: 0.864011406898499

00:43:06.470 --> 00:43:07.511 The estimates vary,

NOTE Confidence: 0.864011406898499

00:43:07.511 --> 00:43:09.246 but it certainly killed hundreds

NOTE Confidence: 0.864011406898499

00:43:09.246 --> 00:43:10.530 of thousands of people,

NOTE Confidence: 0.864011406898499

00:43:10.530 --> 00:43:13.167 and I think that you an estimate went up

NOTE Confidence: 0.864011406898499

00:43:13.167 --> 00:43:16.032 to over half a million or the movie was

00:43:16.032 --> 00:43:18.976 the CDC's or the World Health Organization.

00:43:18.980 --> 00:43:20.555 Can't remember there was an

00:43:20.555 --> 00:43:22.690 estimate of over half a million,

00:43:22.690 --> 00:43:25.394 so it killed quite a lot of people,

00:43:25.400 --> 00:43:27.626 and it appears to have begun an

00:43:27.626 --> 00:43:29.788 intensive pig farm in North Carolina,

00:43:29.790 --> 00:43:31.722 so it's possible that it began

00:43:31.722 --> 00:43:33.510 intensive pig farm in Mexico.

00:43:33.510 --> 00:43:36.278 I think there's was detected in both places.

00:43:36.280 --> 00:43:38.740 But scientists looking at factory farms

00:43:38.740 --> 00:43:42.337 have said if you wanted to create an

00:43:42.337 --> 00:43:44.692 environment for breathing new viruses.

00:43:44.700 --> 00:43:46.092 What would you do?

00:43:46.092 --> 00:43:48.180 You would take thousands of animals,

00:43:48.180 --> 00:43:49.920 you would crowd them together.

00:43:49.920 --> 00:43:50.964 Indoors you would.

NOTE Confidence: 0.864011406898499

00:43:50.964 --> 00:43:53.400 There would be stressed from the crowding.

NOTE Confidence: 0.864011406898499

00:43:53.400 --> 00:43:55.512 So their immune systems would be

NOTE Confidence: 0.864011406898499

00:43:55.512 --> 00:43:57.654 weakened and viruses would be able

NOTE Confidence: 0.864011406898499

00:43:57.654 --> 00:43:59.319 to spread rapidly through them.

NOTE Confidence: 0.864011406898499

00:43:59.320 --> 00:44:01.686 And then you would have humans who

NOTE Confidence: 0.864011406898499

00:44:01.686 --> 00:44:04.173 handle these animals in various ways to

NOTE Confidence: 0.864011406898499

00:44:04.173 --> 00:44:06.279 whom the viruses could be transferred.

NOTE Confidence: 0.864011406898499

00:44:06.280 --> 00:44:08.380 And that's exactly what we've done.

NOTE Confidence: 0.864011406898499

00:44:08.380 --> 00:44:10.732 Said we have already had the

NOTE Confidence: 0.864011406898499

00:44:10.732 --> 00:44:11.908 swine flu pandemic.

NOTE Confidence: 0.864011406898499

00:44:11.910 --> 00:44:14.064 They were also avian flu that

NOTE Confidence: 0.864011406898499

00:44:14.064 --> 00:44:16.610 came out of chicken factory farms.

NOTE Confidence: 0.864011406898499

00:44:16.610 --> 00:44:19.298 So if we're serious now that we've

NOTE Confidence: 0.864011406898499

00:44:19.298 --> 00:44:21.710 seen how devastating pandemics can be,

NOTE Confidence: 0.864011406898499

00:44:21.710 --> 00:44:24.838 both in terms of loss of human life,

00:44:24.840 --> 00:44:27.198 illness and damage to the economy,

00:44:27.200 --> 00:44:29.438 then we ought to be thinking

00:44:29.438 --> 00:44:30.930 seriously about ending factory

00:44:30.998 --> 00:44:33.609 farms and one more health issue not

00:44:33.609 --> 00:44:35.430 specifically related to pandemics,

00:44:35.430 --> 00:44:37.006 but possibly could be.

00:44:37.006 --> 00:44:39.370 Is that because these animals are?

00:44:39.370 --> 00:44:42.472 Stressed it's standard in many cases

00:44:42.472 --> 00:44:46.241 to routinely give them low doses of

00:44:46.241 --> 00:44:48.916 antibiotics to improve their survival

00:44:48.916 --> 00:44:51.917 and growth to keep them healthy.

00:44:51.920 --> 00:44:54.545 But that of course means

00:44:54.545 --> 00:44:56.120 that bacteria become.

00:44:56.120 --> 00:45:00.272 Develop resistance to the.

00:45:00.272 --> 00:45:02.402 Antibiotics, the animals reading,

00:45:02.402 --> 00:45:04.950 and that's a well known health risk.

NOTE Confidence: 0.864011406898499

00:45:04.950 --> 00:45:06.912 So we're not talking about viruses

NOTE Confidence: 0.864011406898499

00:45:06.912 --> 00:45:08.697 now 'cause we're talking bout

NOTE Confidence: 0.864011406898499

00:45:08.697 --> 00:45:10.777 antibiotics were talking about bacteria,

NOTE Confidence: 0.864011406898499

00:45:10.780 --> 00:45:12.236 but resistant bacteria are

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00:45:12.236 --> 00:45:14.420 already a well known health risk.

NOTE Confidence: 0.864011406898499

00:45:14.420 --> 00:45:15.804 For example, Golden staff.

NOTE Confidence: 0.864011406898499

00:45:15.804 --> 00:45:18.332 And if we lose the ability of

NOTE Confidence: 0.864011406898499

00:45:18.332 --> 00:45:20.237 our antibiotics to control them,

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00:45:20.240 --> 00:45:23.257 we could also be in very serious

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00:45:23.257 --> 00:45:24.119 health problems.

NOTE Confidence: 0.864011406898499

00:45:24.120 --> 00:45:26.549 So with that I'm going to stop.

NOTE Confidence: 0.864011406898499

00:45:26.550 --> 00:45:28.285 I'm looking forward to your

NOTE Confidence: 0.864011406898499

00:45:28.285 --> 00:45:29.326 questions and discussions.

NOTE Confidence: 0.864011406898499

00:45:29.330 --> 00:45:30.028 Thank you.