

Future Cars and PowerPoint Skills

Driver-Assisted and Driverless Cars

One day people may wonder why earlier generations ever entrusted machines as dangerous as cars to operators as fallible as humans.

~ The Economist, April 2013

In an important sense, any injury that results from our ethics setting [like employing an algorithm that saves a child over an elderly person in an inevitable collision] may be [considered] premeditated if it's foreseen.

~ Patrick Lin of Wired, August 2014

Create the ten slides described below using MS PowerPoint 2013. Your slides do *NOT* need to look *exactly* like the example slides provided. They are meant only as a guide. Feel free to use a different theme, SmartArt graphics, etc.

Title (slide 1) – Include a title and your name.



Driver-Assisted Cars (slide 2) – Download a copy of the podcast entitled [By The Time Your Car Goes Driverless, You Won't Know The Difference](#) from NPR. Insert the sound file on this slide, and place two bookmarks in it.

- Place one near the 1 minute, 30 second mark, when Alexis Madrigal says, “There are a lot of steps...between Henry Ford's Model T and Google's autonomous Model X.”
- Place another at the beginning of a quote you like in the podcast. Type the text of this quote on the slide.

Replace the default audio image of a speaker for the sound file on the slide with the [Google's Lexus RX 450h Self-Driving Car.jpg](#) image. (Right click the image to download it.)

- Above the image, place the text *Alexis Madrigal (NPR Fresh Air podcast, 2014)*.
- Below the image, place the text *Google Self-Driving Car (Wikimedia Commons image)*.

Audio and Transcript – <http://www.npr.org/sections/alltechconsidered/2014/03/04/285740673/by-the-time-your-car-goes-driverless-you-wont-know-the-difference>

Image – https://upload.wikimedia.org/wikipedia/commons/1/1b/Google's_Lexus_RX_450h_Self-Driving_Car.jpg



Fully Driverless Cars (slide 3) – In preparation for today, you watched the TED Talk [Chris Urmson: How a driverless car sees the road](#). On this slide, distinguish between driver-assisted and driverless cars. Which does Chris Urmson feel is superior? Why?

Video and Transcript – http://www.ted.com/talks/chris_urmson_how_a_driverless_car_sees_the_road?language=en#t-686753



Technology Overview (slide 4) – Download the video [How do driverless cars work--SD.mp4](#). Insert it on this slide, trim it to a start time of approximately 00.33.680, and place the text (CC-BY-3.0 James Armstrong, 2015) below it.

Video – posted at <https://vimeo.com/117475024>



Technology Components (slide 5) – On this slide, use a SmartArt graphic of type List to summarize the six main technology components depicted in this [infographic](#) by The Economist, and briefly within your graphic, state the main function of each component.

Infographic – http://media.economist.com/sites/default/files/imagecache/full-width/images/print-edition/20120901_TQC976_0.png



Benefits (slide 6) – On slide 6, list four reasons to love autonomous cars. You may use bullets, SmartArt graphics, etc. Clearly indicate the reason you believe is most important in any way you like (bold text, animation, arrow shape pointing to it, etc.). You may find [Six reasons to love, or loathe, autonomous cars](#) a useful resource.

Article – <http://www.cnet.com/news/six-reasons-to-love-or-loathe-autonomous-cars/>



Risks (slide 7) – On slide 7, list four reasons to hate autonomous cars. You may use bullets, SmartArt graphics, etc. Clearly indicate the reason you believe is most important in any way you like (bold text, animation, arrow shape pointing to it, etc.). You may find [Six reasons to love, or loathe, autonomous cars](#) a useful resource.

Article – <http://www.cnet.com/news/six-reasons-to-love-or-loathe-autonomous-cars/>



Public Opinion (slide 8) – In a [2013 survey](#), Intel asked respondents whether or not they would like to live in a driverless city. On this slide, create a pie chart showing what percentage answered yes and what percentage answered no.

Survey Results – http://newsroom.intel.com/community/intel_newsroom/blog/2014/02/10/the-vote-is-in-citizens-support-smart-cities-with-driverless-cars-public-service-drones-and-surroundings-that-sense-activities



Your Opinion (slide 9) – Would you ride in a driverless car? Explain.



Closing (Slide 10) – Have a clear ending to your presentation. This could look similar to your title slide.

NOTE: When sending a presentation containing audio and/or video to someone, you can test whether or not the audio and video are likely to be found and to play properly on the recipient's computer by deleting the original audio and video files from your computer and then checking that they still play properly in your presentation. Alternatively, you can try opening your presentation on a different computer.