Day 6:
LIDAR demo!

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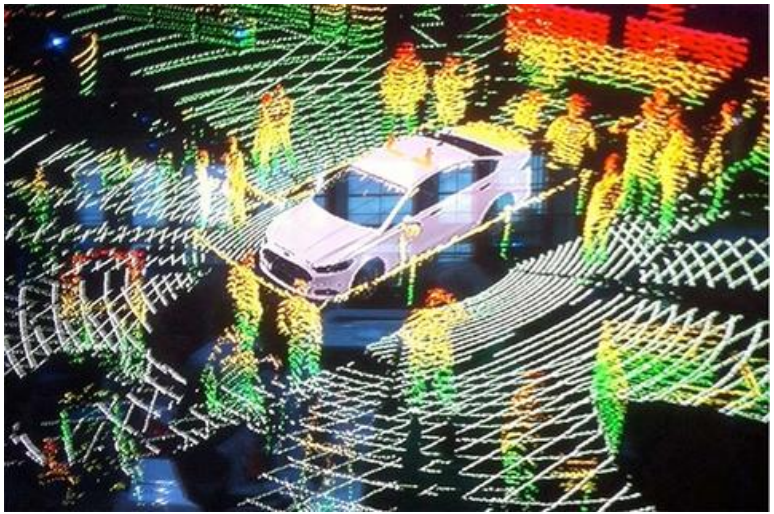
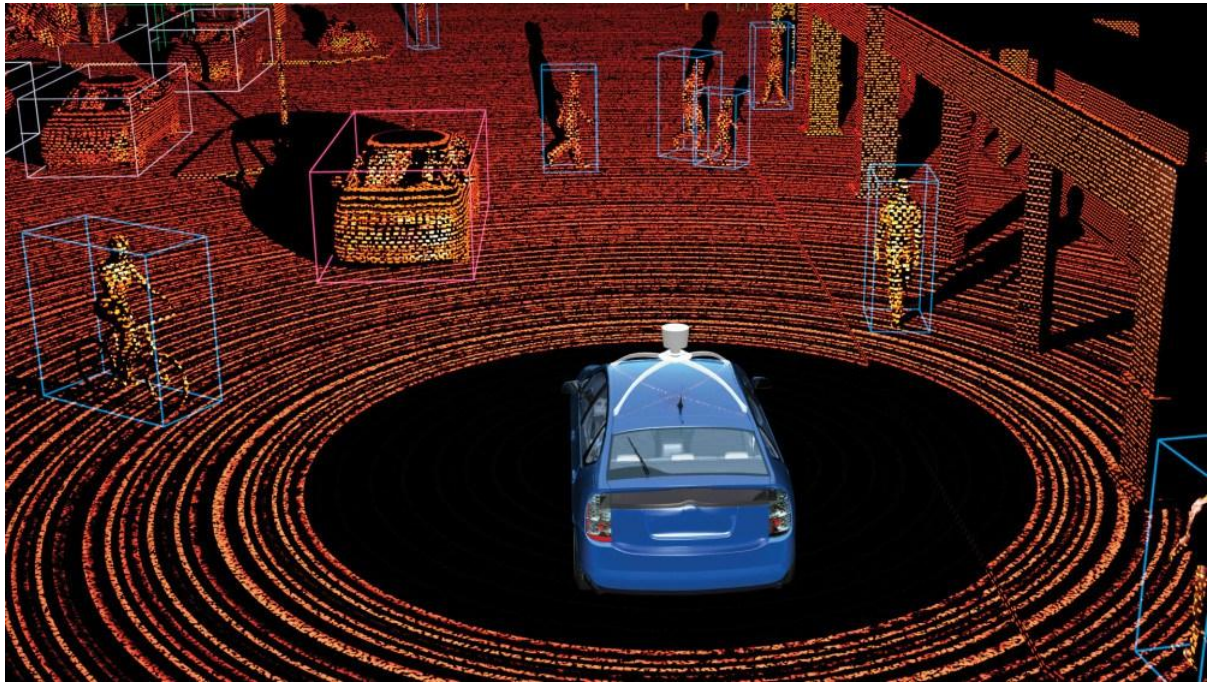
LIDAR: How autonomous vehicles “see”



- LIDAR works sort of like radar: a device on top of the vehicle emits pulses of infrared light (invisible to the human eye) and measures how long they take to come back after hitting nearby objects.

Be back soon! At a LIDAR demo



German Traffic Signs Dataset

- Dataset can be downloaded at:
  http://benchmark.ini.rub.de/?section=gtsrb&subsection=dataset#Downloads

- Under “Downloads” find “Images and annotations” for both training and test sets
  - We don’t need to grab any features like the HOG/Haar filters
  - Keep your folders organized!! Keep training and test data folders in the same location.

- Go to my GitHub:
  https://github.com/juliennelachance/self-driving-cars
  And download the Day 6 material. There will be a Jupyter notebook which demo’s how to read in the data.
  - Note: run **pip3 install Pillow --user**

Self-Driving Cars: Policy Review

- In pairs, you'll get one of four papers from the following collection:

  http://cyber.harvard.edu/story/2018-07/4-policy-papers-autonomous-vehicles

  These papers are produced by the Berkman Klein Center at Harvard, and are essentially summaries of what policymakers need to know when regulating autonomous vehicles.

- **The goal of today**: Look these papers over, and take notes on the main points.
  - You'll summarize the findings to the rest of the group.
  - What is the main idea? What are the main suggestions offered to policymakers?