Supplementary Reading: Safety Assurance for Self-Driving Vehicles

We have a couple of links in this Supplementary Reading discussing various aspects of safety assurance.

- Here's a link for NTSB's Report on the 2018 Uber Crash.

- Check out Dr. Krzysztof Czarnecki'spaper on WISE Drive: Requirements Analysis Framework for Automated Driving Systems. You will watch an interview with Dr. Czarnecki's later in this Module.

- Learn more about the non-mandatory safety guidelines for autonomous cars in the NHTSA - Automated Driving Systems: A Vision for Safety 2.0 report.

Supplementary Reading: Industry Methods for Safety Assurance and Testing

Read more about how companies approach safety assurance and testing:

- Waymo Safety Report

- GM Safety Report, 2018

- Ford Safety Report, 2018

- Uber Safety Report, 2018

- NHTSA Crash Statistics, 2015

- Autonomoose: Towards All Weather Driving in Canada, Steven's presentation, University of Toronto & University of Waterloo (June 15, 2018).

Supplementary Reading: Safety Frameworks for Self-Driving

Check out the following links on safety frameworks for autonomous vehicles:

- Failure Modes and Effects Analyses - asq.org

- ISO 26262-1:2018 - Functional Safety for Road Vehicles

- ISO/PAS 21448 - Safety of the intended functionality for Road Vehicles

RAND Corporation Report on Driving to Safety