**DEN 429**

**9/22**

[**Week One Discussion**](https://nationalu.brightspace.com/d2l/lms/discussions/messageLists/frame.d2l?ou=36556&tId=153150&fId=0&threadId=0&postId=0&groupFilterOption=0)

Self-driving cars pose many challenges to their designers. Discuss the following issues regarding the design of a hypothetical self-driving car. Look at the Technology Readiness Level descriptions and the mishap analysis explanation.  Based on the information at <https://waymo.com/tech/> and other sources you might find (cite your sources) discuss:

* The TRL level of the overall self-driving car system
* Which components (hardware or software) are likely to be the lowest TRL
* What the risk matrix for a self-driving car would look like
* What hardware changes to the vehicle are likely to be versus traditional cars
* Whether a company like Google or a company like Ford is at a lower TRL level to create a self-driving car, and what sort of make/buy decisions either one would need to make.

Note that the textbook has templates for Technology Readiness analysis (see link in the reading list) but here just summarize your analysis in a paragraph (in other words, don't attach the template or any other files.)

 For full credit. please post your initial comments, and then  respond to at least two of your peers.