**Open-ended Capstone Step 1: Pick Your Initial Project Ideas**

~~How has transportation volume increased in the United States since 2000, and how has the pandemic impacted the need for its growth?~~

~~Download and use data from the~~ **~~U.S. Dept. of Transportation - Bureau of Transportation Statistics~~** ~~from 2000 to present, as well as other data sources if they can be identified, to compare year over year at both a state and national comparison level. If data is not of a sufficient quantity, it looks like the data on the USDOT site goes back to 1949.~~

Computer Vision Data pipelining:

Problem Statement: Creating end to end data pipeline of Computer vision based projects.

Components:

* Storage mechanism of storing multiple datasets into the cloud.
* Wrangling data to feed to computer vision model for inference
* Model will convert imagery data to text data. Need to stream the data to the databases
* Need to use sql to generate some descriptive statistics
* Streaming the data from the databases to the realtime dashboards.

Initialize with one dataset.

Start on local system. Then shift to the cloud.