**F1TENTHS: Autonomous Driving Initial Thoughts**

**Software Technologies:** R, Python and C

R: We will utilize the extensive capabilities that R provides for statistical analysis. In the scope of this project, we will use R for data preprocessing, cleaning, and visualization. R has a library, ggplot2, which can be used for creating visualizations of sensor data which can help during software development.

Python: We will utilize Python for the software development. Python will be used for its machine learning, deep learning and algorithm development capabilities. For the initial thoughts, since PyTorch is newer and has a better utility for dynamic inputs.

C: We will utilize C for the control of embedded systems, in our case, the model car.

**General Path:** I will be going with traditional approach for creating the autonomous driving software. We will work with Perception->Planning->Control