TITLE ???

Paper Outline

1. Introduction
   1. Need for Detection of Marijuana Use while driving
   2. Other Tests and Effects of Habituation
   3. Pupil Response Previous Analysis Results
   4. Modeling a whole trajectory of pupil response may have more power to show differences in pupil trajectories by marijuana usage frequency when compared to traditional analysis tools.
2. Methods
   1. Study Sample and Characteristics
   2. Image processing (ref Ben’s paper)
   3. Functional Data Analysis
      1. What is it?
      2. Prediction with scalar features vs SoFR
      3. FoSR introduction
3. Results
   1. Prediction Analysis
   2. FOSR
      1. Differences in Occasional and Daily Smokers vs Non-Smokers
4. Conclusion
   1. Main Finding
   2. Findings in Context
   3. Limitations
      1. Small sample size
      2. Noisy Data (difficult to estimate end of test)
      3. Did not capture pupil size at baseline (can affect pupil dilation rate)
      4. Did not control for THC dose (?)
   4. Future Directions