EEP 596 Lab 6 – Data Collection for Magic Wand

Objective: Collect data for lab 6 to be used in the development of a magic wand that can recognize digits (0, 1, 2, …, 9) drawn in the air.

Deadline: May 1st, 11:59 AM PST

Instructions:

1. **Data Points**: Collect 5 data samples for each digit (0, 1, 2, …, 9) – Total 50 data samples. Ensure that the digits are drawn in the air with a clear and steady motion. ***Remember, the quality of the data collected will impact the accuracy of the gesture recognition system.***

2. **Orientations**: To ensure a robust dataset, collect data in different orientations. This includes varying the starting point, direction, and angle of the digit drawn. This will help the system generalize better to different user inputs.

3. **Data Format**: Save your dataset as a JSON file. The file should be named according to the following convention: YourUWNetID.json (e.g., sdinuka.json). Ensure that the data is properly formatted and organized to facilitate easy processing.

4. **Uploading Data**: Upload your collected data to the provided Google Drive link: https://drive.google.com/drive/folders/16G_wOM25nBZsjEjQ8jK3ufOIFl17PCfD?usp=sharing Make sure that you have uploaded the JSON file before the deadline.

5. **Data Collection Demo**: A demonstration video on how to collect data has been uploaded on the course Slack channel. Please watch the demo to understand the process and requirements clearly. If you have any questions or issues during the data collection process, reach out to the instructors or TAs for assistance.

6. Remember, the success of the Magic Wand project relies on the quality and diversity of the data collected. Please ensure that you follow the instructions carefully and collect the data points as accurately as possible. Your contributions will help create an effective gesture recognition system that can recognize digits drawn in the air.

Happy data collecting!