README

Studying relationship of Pupil diameter with Emotion perception

IP Summer Sem 2023

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- IP- Sonia Ma'am- Self implemented Pipeline and Curve Smoothening on initial dataset.ipynb

  1. This Jupyter notebook contains our very first attempts at reading the provided data into Dataframes doing Preprocessing and Curve Smoothening.
  2. To run this code in Google Colab, first the Folder containing various data about different participants (70ms_WithMask_BlackBG) has to be uploaded to the root of Google Drive and needs to be mounted here.
  3. After giving permission, the code has to be run by clicking Run. It will generate all the outputs and graphs one by one.

- IP- Sonia Ma'am- Preprocessing and Feature Extraction.ipynb

1. This Jupyter notebook contains our attempts to do Preprocessing, and finding the various parameters like Latency, Amplitudes and Gradients (Both min and max).
2. We tried to implement various approaches to do the above. Also, the code that led to the discovery of a Bug is still present in the commented form.
3. To run this code in Google Colab, first the Folder containing various data about different participants (70ms_WithMask_BlackBG) has to be uploaded to the root of Google Drive and needs to be mounted here.
4. After giving permission, the code has to be run by clicking Run. It will generate all the outputs and graphs one by one. As there are a lot of operations, it takes a few minutes to get all the outputs.