

Eye Gaze Estimation Models

Sprint2 - (02/07/2024 to 02/16/2024)

Userstory: #14Data Cleaning - Task 14 (Data formatting and cleaning)

#5Formatting and structuring the data

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Team-19

Part 1: Log file

Log file:

<https://docs.google.com/spreadsheets/d/12ava32EU98s2y788QuelH0IT7CvObHf0/edit#gid=1579418581>

Part 2: Tasks

Userstory: #14Data Cleaning - Task 14 (Data formatting and cleaning)

#5Formatting and structuring the data

Github Link: <https://github.com/Chedvihas/SER517-Eye-Gaze-Estimation-Models>

Taiga Link: <https://tree.taiga.io/project/chedvihaspunnam-ser517-eye-gaze-estimation-models/timeline>

Role - Team member

Tasks Completed:

- Finished downloading the dataset.
- Written Sample code for cleaning the data.
- Errors are resolved and Testing is done for cleaning the data and reducing the size to 40GB by getting only the portrait images.
- Added code to ImageCoordinate.ipynb to validate only valid eyes.

Part 3: Problems Encountered [1 pts]

1. What problems did you encounter in the sprint and how did/will you overcome?
 - a. **Time:** The considerable size of the dataset led to extended preprocessing times. In response, future planning will involve allocating additional time for these tasks to ensure thorough data formatting and cleaning.
 - b. **Resources:** The dataset's sheer volume surpassed our initial storage capabilities. We have expanded our storage capacity to accommodate the data, and we are actively exploring cloud options for enhanced scalability, ensuring efficient data storage and access.
 - c. **Personnel:** None
 - d. **Personal:** None