**User’s Guide Operating Instructions**

**Overview**

This guide provides step-by-step instructions for using the provided code to process EEG data. The workflow involves data cleaning, running either BLAST or order-preserving matching, and performing classification.

**1. Data Cleaning**

1. **File Structure**: Ensure your data files are located in the DB directory, which contains ADHD\_DB and Control\_DB.
2. **Run Clean\_EEG.py**:
   * Execute the script Clean\_EEG.py.
   * This script will clean the data from the DB directory and save the processed files in the Clean\_DB directory.

**2. EEG Analysis**

You have two options for analyzing the cleaned data:

**Option A: BLAST**

1. **Run BLAST.py**:
   * Execute the script BLAST.py.
   * This will process the cleaned data and save the results and EEG sequences in the BLAST\_DB directory.

**Option B: Order-Preserving Matching**

1. **Run Order\_Preserving\_Matching.py**:
   * Execute the script Order\_Preserving\_Matching.py.
   * This will process the cleaned data and save the sequences and results in the Order\_Preserving\_Matching directory.

**3. Classification**

1. **Run Classification.py**:
   * Execute the script Classification.py.
   * Specify the result file name in the script for classification.
   * The script will use this file to perform classification and output the results accordingly.