BCI S2024 Project   
Part-3 Signal Pre-processing

**Group No**. 35

**Student Names:**

Peddineni Rupesh chowdary (S20210010173)

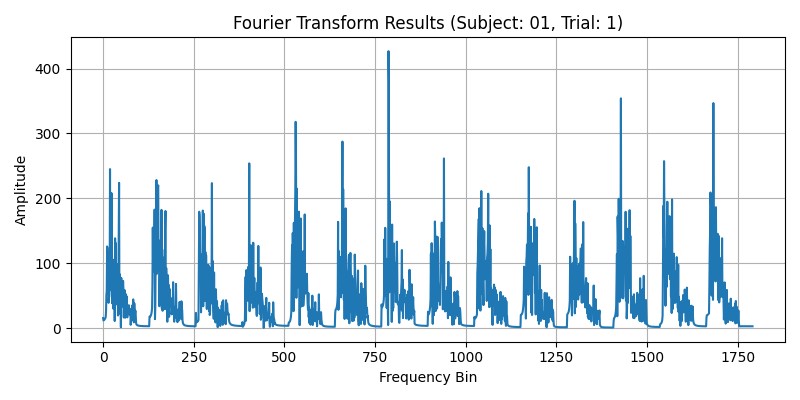
Peta Varun (S20210010176)

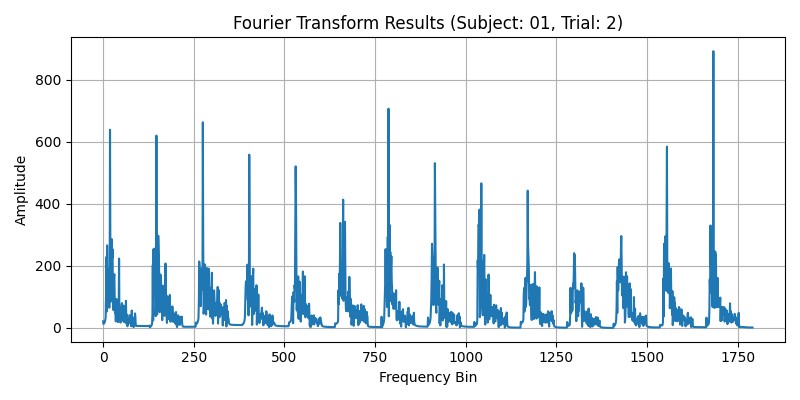
**Manuscript Title:**  Emotion Recognition Using Multimodal Deep Learning

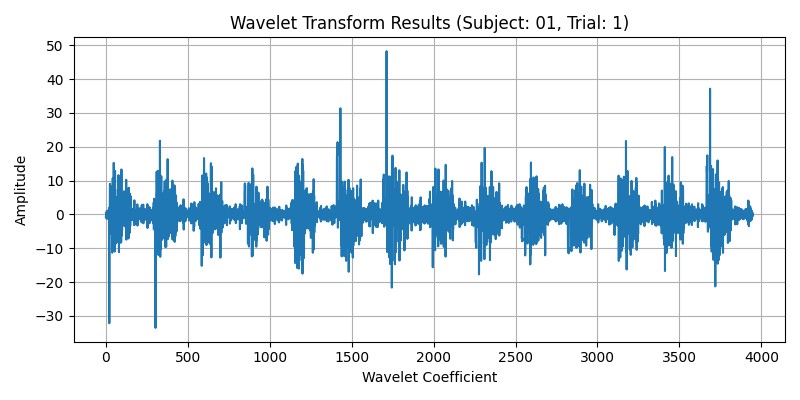
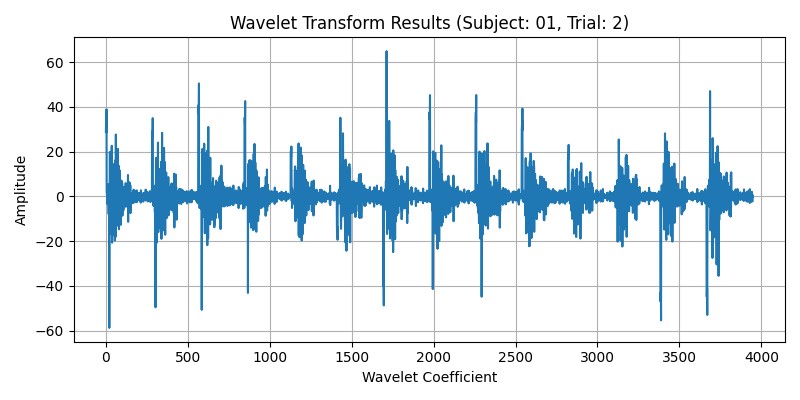
**Signal Pre-processing using Fourier and Wavelet Transform:**

* There are 2 components in the dataset. i.e. Labels and Data
* There are a total of 32 subjects and each undertaken 40 trials.
* 40-channel EEG recordings utilized during the experiment.
* Since there are many subjects and many channels, it becomes difficult to show the plot for every subject
* So I choose 10 Subjects and per each subject I took 2 trails and pre-processed using Fourier and Wavelet transform.
* The Graphs are shown below.

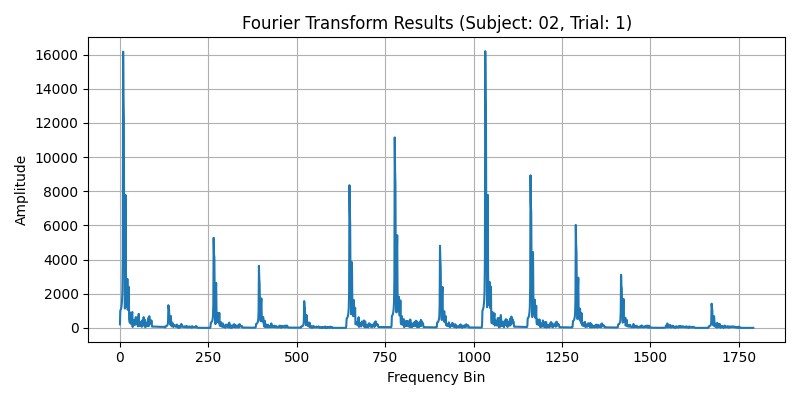
**Subject -01 (s01.dat)**

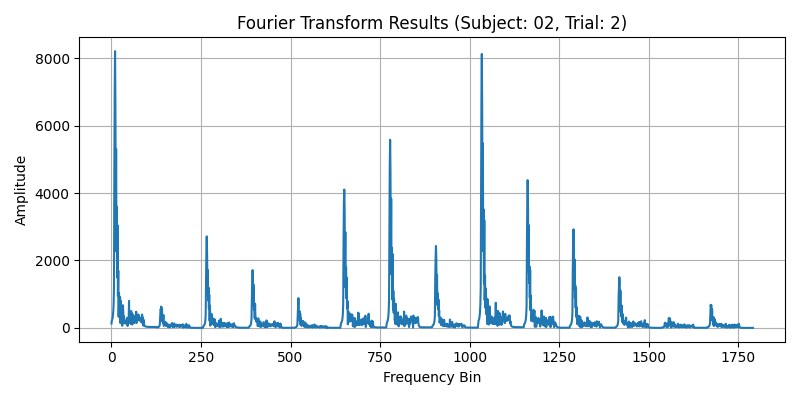


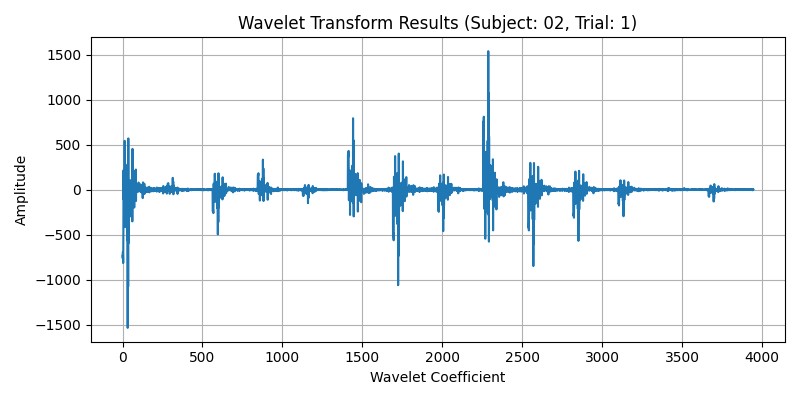
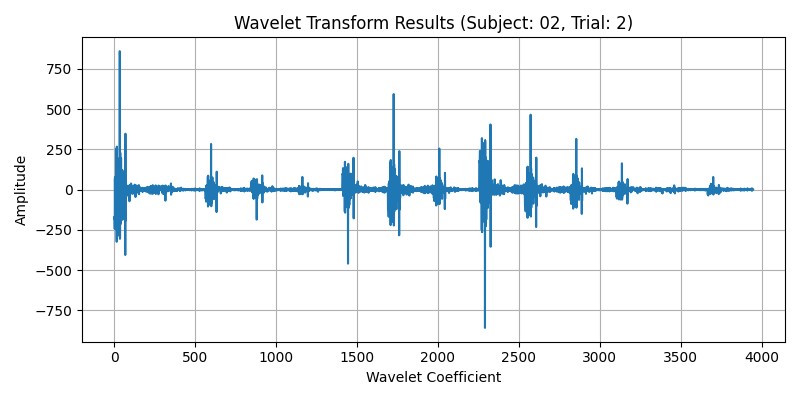


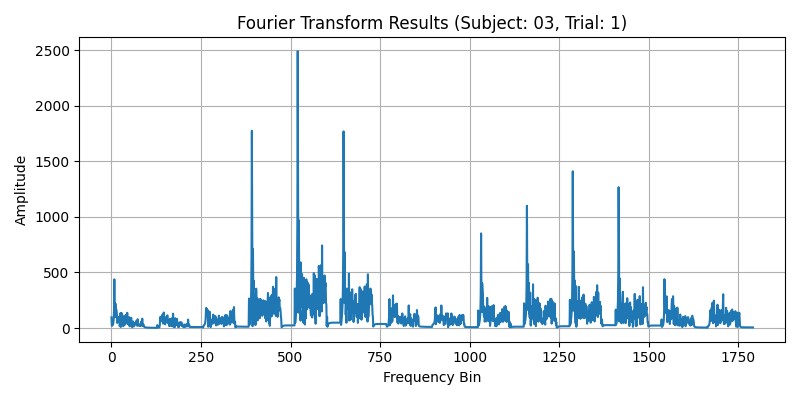
** 

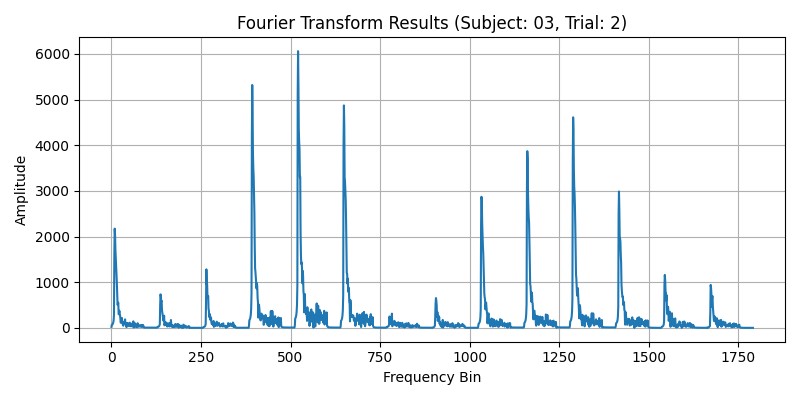
**Subject -02 (s02.dat)**

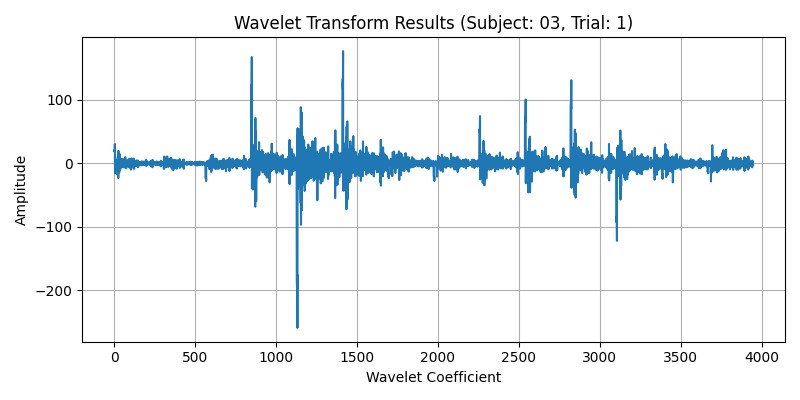


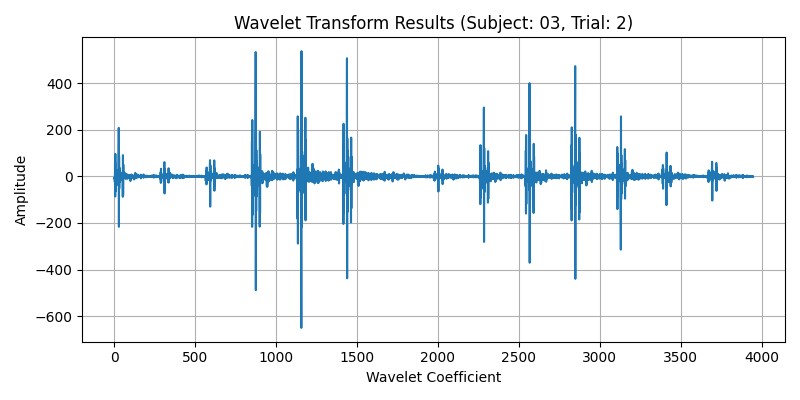


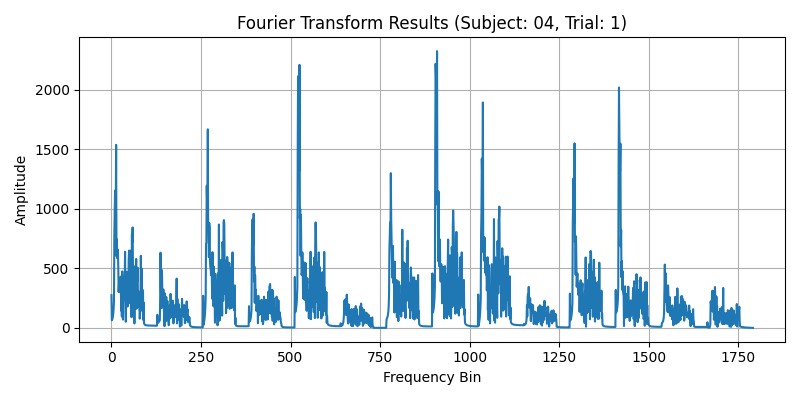
**Subject -03 (s03.dat)  
   
 **

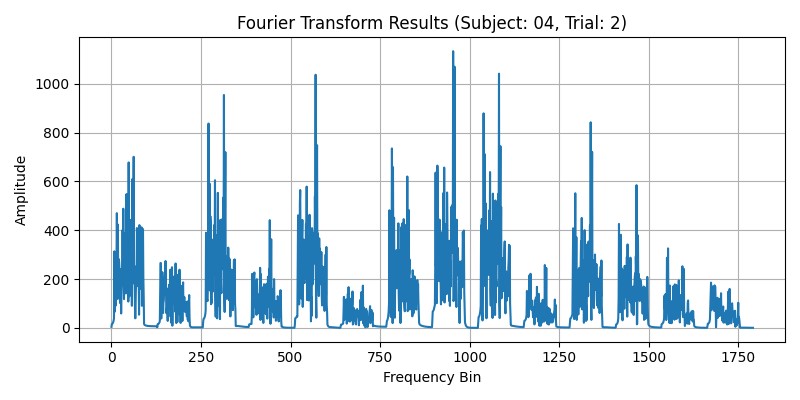


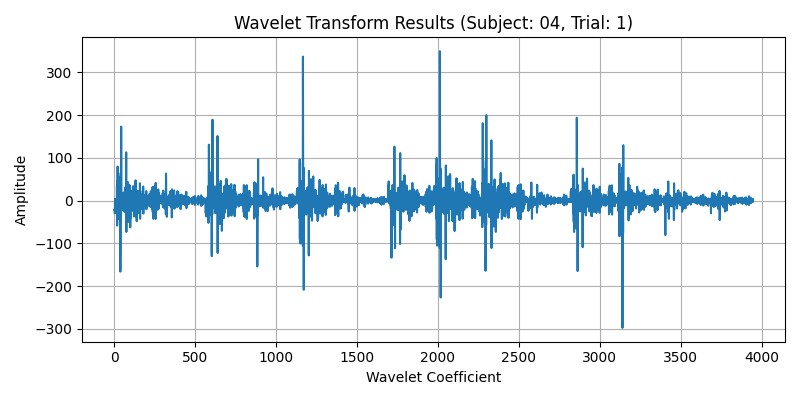


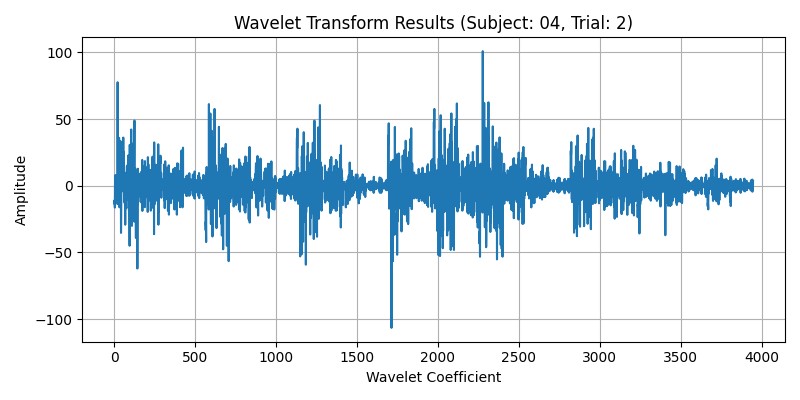


**Subject -04 (s04.dat)**

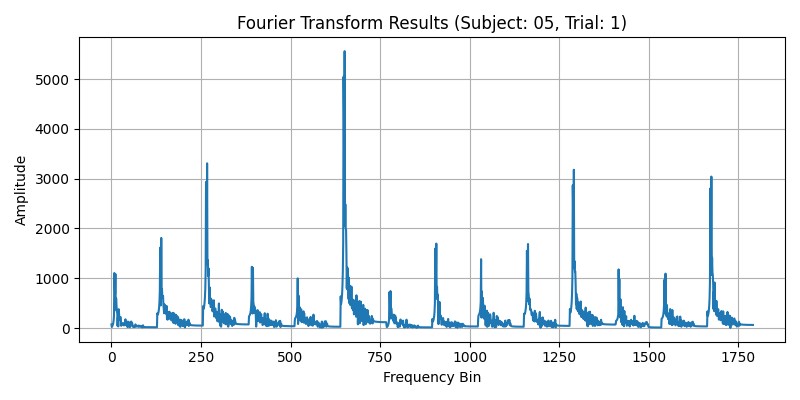


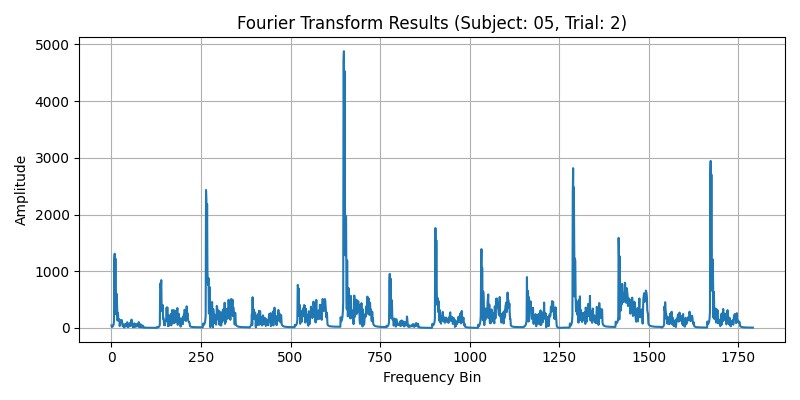


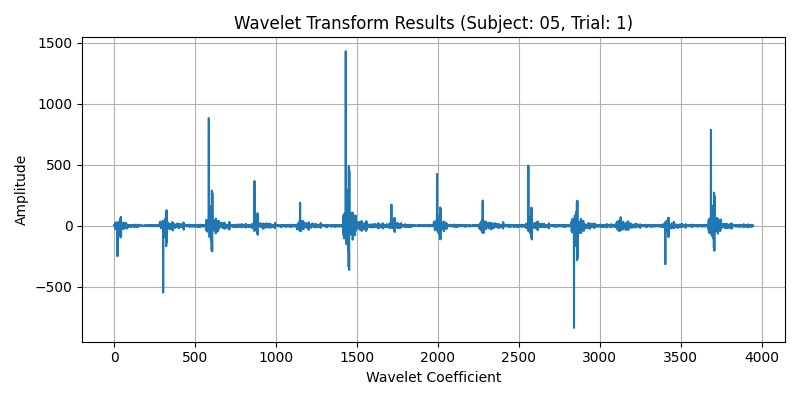


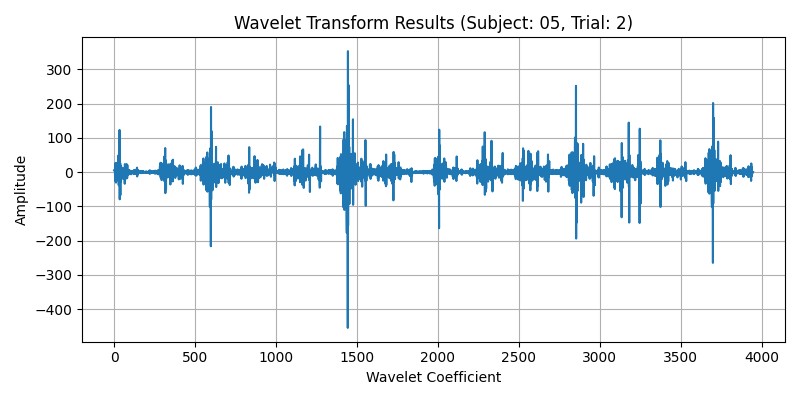


**Subject -05 (s05.dat)**

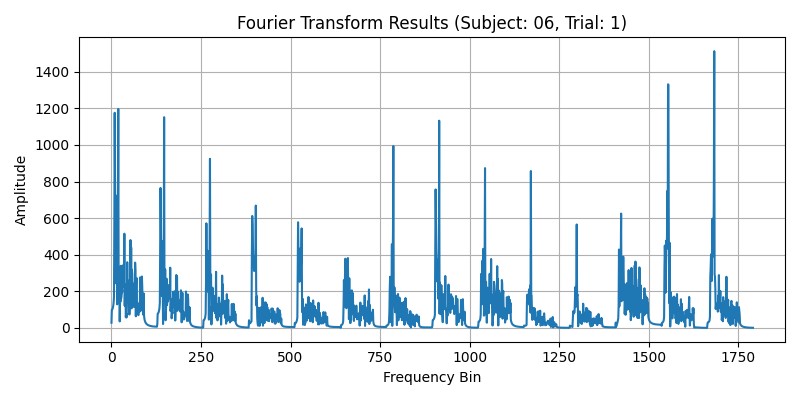


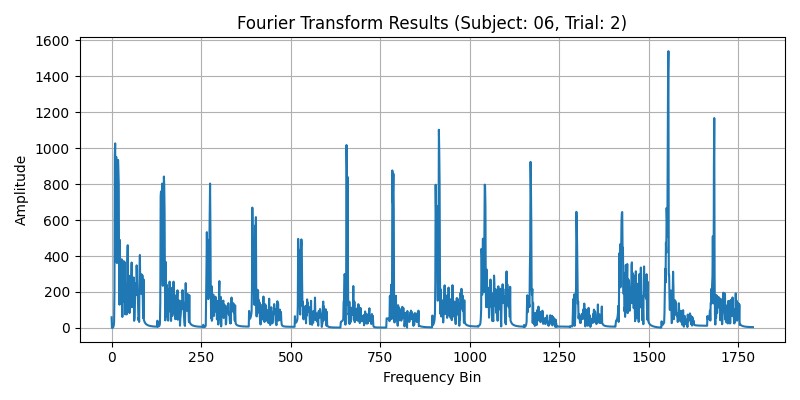


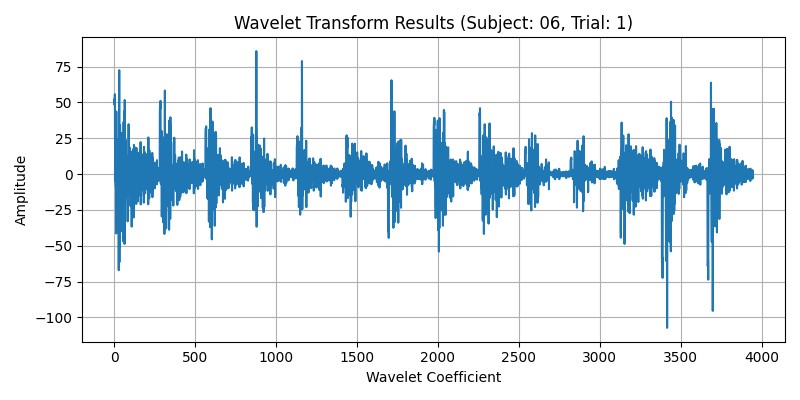


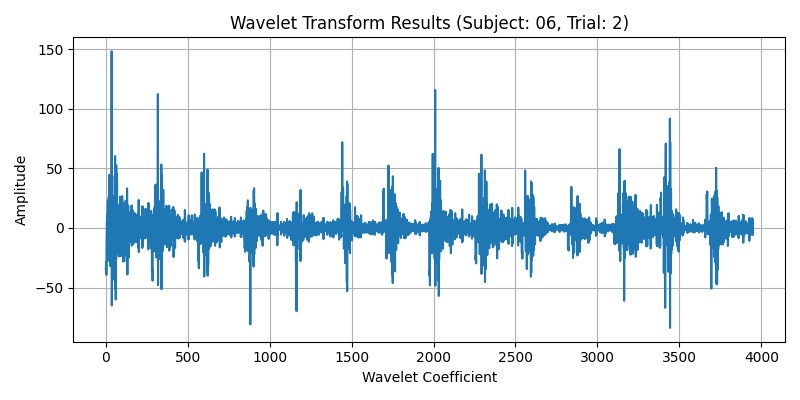


**Subject -06 (s06.dat)**

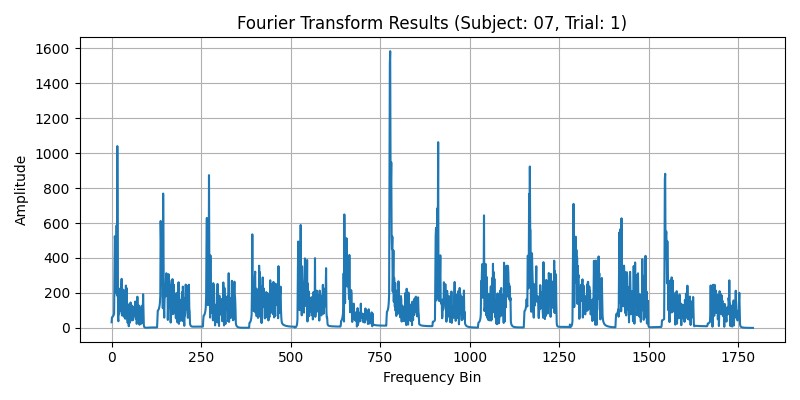


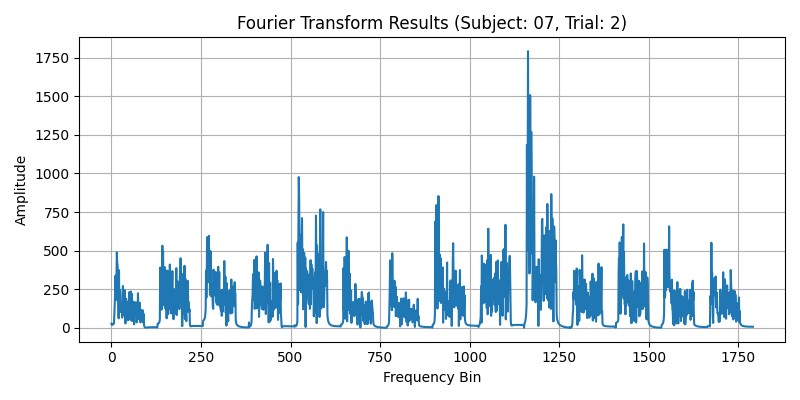


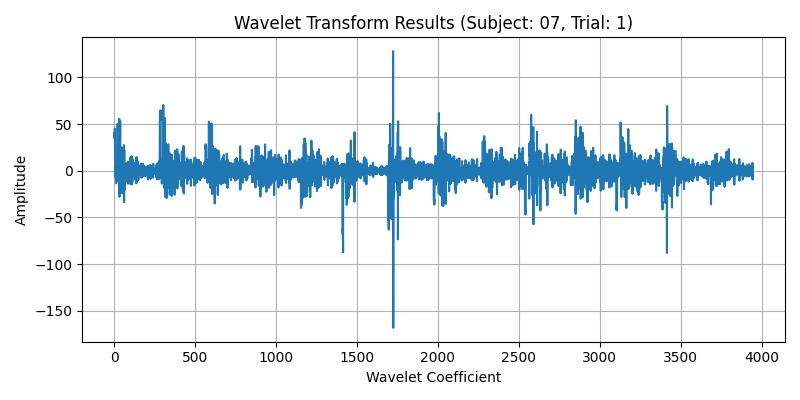


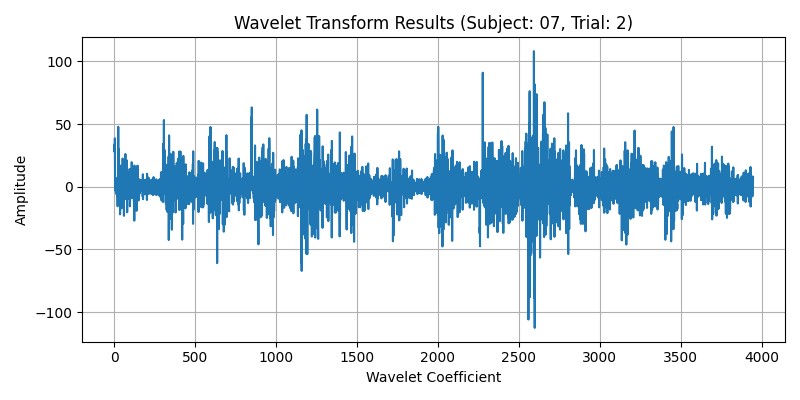


**Subject -07 (s07.dat)**

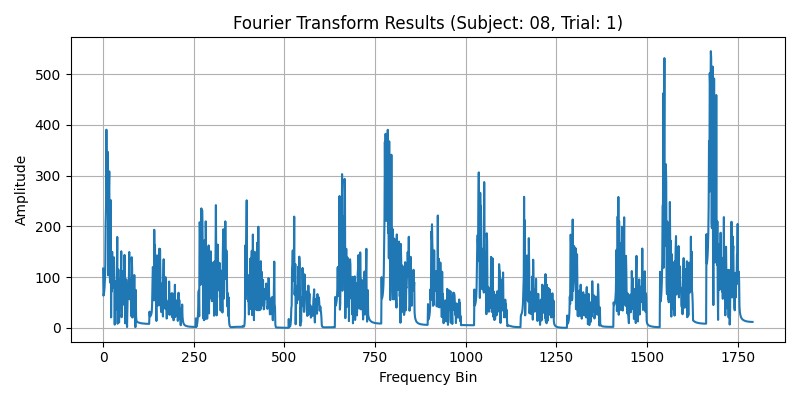


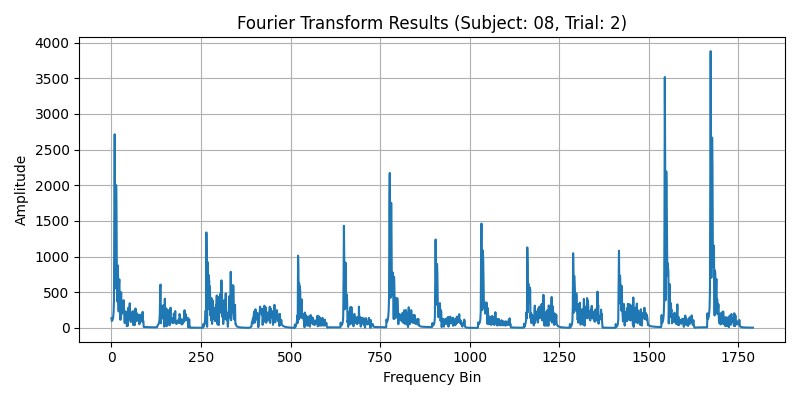


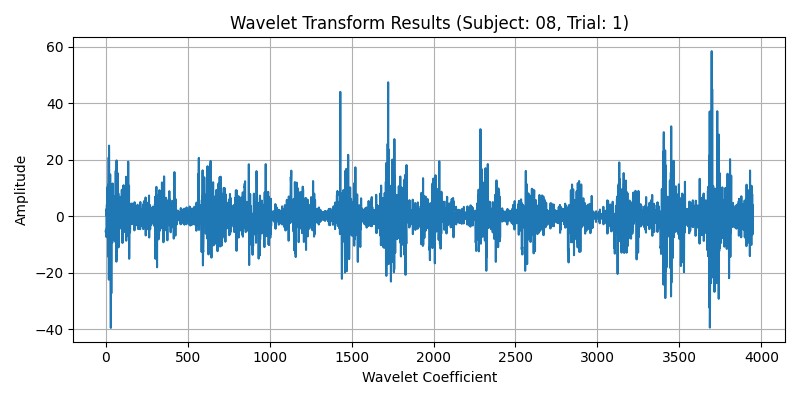


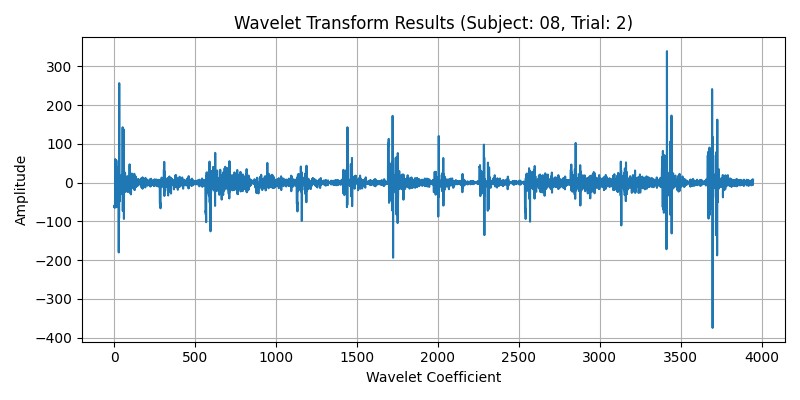


**Subject -08 (s08.dat)**

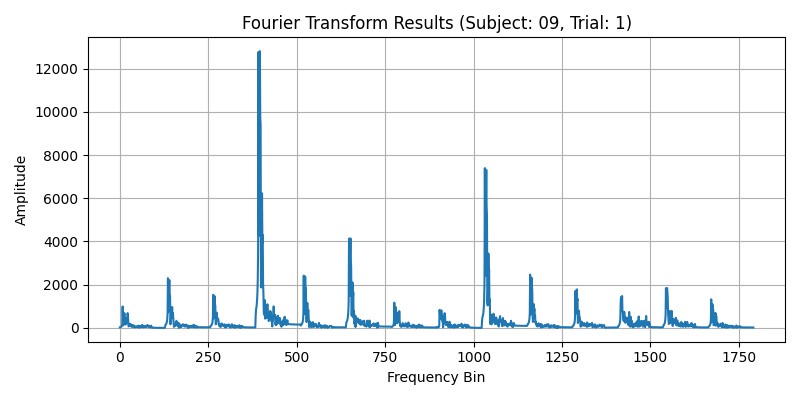


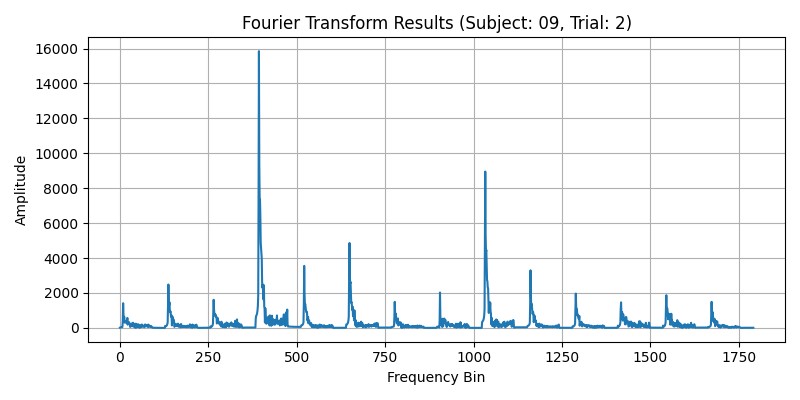


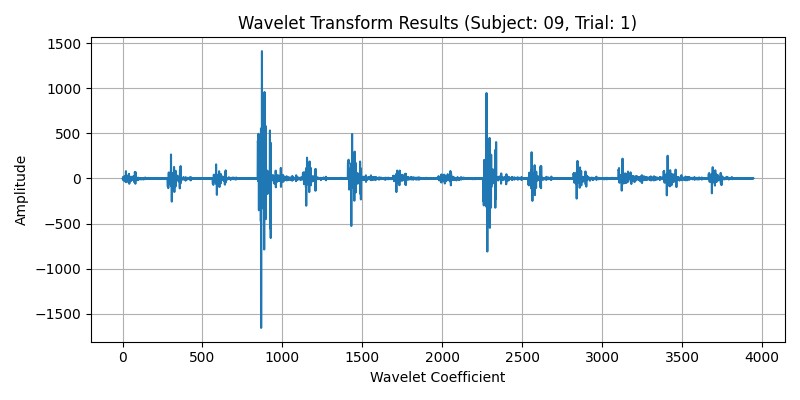


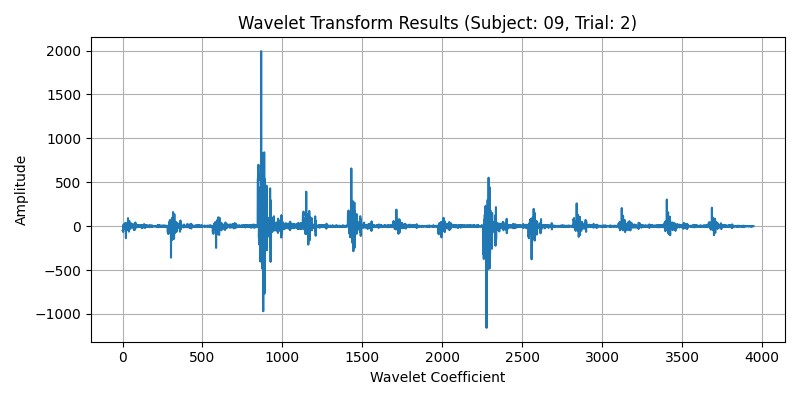


**Subject -09 (s09.dat)**









**Subject -10 (s10.dat)**

