

## Table Of Contents:

<b>Title</b>	<b>Description</b>
<b>Cogs 118B Blink ICA Project Final.ipynb</b>	Main portion of the product. Includes general data preprocessing, PCA, ICA, and removal of blink channels.
<b>Dunn2.csv</b>	EEG dataset used in COGS 118B Blink ICA Project Final.ipynb
<b>EEG ICA API</b>	Flask-based API that allows users to upload a dataset and run PCA/ICA
<b>ICA Demonstration.ipynb</b>	Demonstration of ICA in isolation
<b>Prepped_extra_datasets.ipynb</b>	Notebook getting rid of outliers in extra datasets
<b>Additional Prepped Datasets (files with S0 at start of title)</b>	List of EEG datasets processed and loaded in Prepped_extra_datasets.ipynb
<b>README/Writeup</b>	Explanation of the project, math, and technologies leveraged behind our ICA blink removal. Also discusses potential future improvements and steps.