**Face Car Dataset**

For the final project, you will use single-trial analysis of the EEG to discriminate between face versus car trials in 8 human subjects. You are provided a MAT-file for each human subject.

Each MAT-file includes

* A training set with labels that your model will learn on: X\_EEG\_TRAIN, Y\_EEG\_TRAIN
* A test set with no labels that your model will predict on: X\_EEG\_TEST

Each trial in the training and test set is channels by time points. The trials in X\_EEG\_TRAIN labeled “1” in Y\_EEG\_TRAIN are faces, while the trials in X\_EEG\_TRAIN labeled “0” in Y\_EEG\_TRAIN are cars. After learning the parameters, you will use your model on X\_EEG\_TEST to discriminate between face and car trials.

Here is a brief overview of the Face Car Dataset for Subject 1:

