



Figure 1: This figure displays the feature importance from one of the versions of our model. It shows how important each feature was in determining the classifications.

The screenshot shows a user interface for model development. It has three columns: "Predict", "Process Data", and "Build New Model". Each column has a "Choose File" button and a "Submit" button. Below these are three dropdown menus for feature selection, each currently set to "avg2columns". The first dropdown is open, showing a list of features: 2_Pressure_channel_1, 3_Compass_channel_1, 4_Compass_channel_2, 5_Compass_channel_3, 6_Acceleration_2, 7_Acceleration_channel_1, 8_Acceleration_channel_3, 9_Temperature_channel_1, 10_Gyroscope_channel_1, and 11_Gyroscope_channel_2. The second dropdown is also open, showing a similar list with 10_Gyroscope_channel_1 highlighted. The third dropdown is closed. At the bottom of each column is a "Delete Feature" button.

Figure 2: A window of the user interface we create to automate the development of different models. In this window, the user can create feature vectors with columns of their choosing.