

## **An Overview of the model and the results**

After trying out a dozen different combinations (including stacking different algorithms together), I finally found that using a Support Vector Machine gave the best results.

I used a Savitzky-Golay filter to remove the noise from the infrared readings and increase the smoothness of the data. Using this, in addition to the SVR model helped beat the benchmark score and get a very less error relative to the scoreboard.