

# Machine Learning 2013: Project 1 - Regression Report

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## Experimental Protocol

Suppose that someone wants to reproduce your results. Briefly describe the steps used to obtain the predictions starting from the raw data set downloaded from the project website. Use the following sections to explain your methodology. Feel free to add graphs or screenshots if you think it's necessary. The report should contain a maximum of 2 pages.

### 1 Tools

Which tools and libraries have you used (e.g. Matlab, Python with scikit-learn, Java with Weka, SPSS, language  $x$  with library  $y$ , ...). If you have source-code (Matlab scripts, Python scripts, Java source folder, ...), make sure to submit it on the project website together with this report. If you only used command-line or GUI-tools describe what you did.

### 2 Algorithm

Describe the algorithm you used for regression (e.g. ordinary least squares, ridge regression, ...)

### 3 Features

Did you construct any new features? What feature transforms did you use?

### 4 Parameters

How did you find the parameters of your model? (What parameters have you searched over, cross validation procedure, ...)

## 5 Lessons Learned

What other algorithms, tools or methods did you try out that didn't work well? Why do you think they performed worse than what you used for your final submission?