**Project 1 Report: Polynomial Curve-Fitting Regression for Working-Age Data**

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**[ 0 ] Overview**

The aim of this project is to implement all components necessary to perform generalized linear regression on the data found in the ‘**data/**’ directory.

The implementations for all models and transformers can be found in the ‘**src/impls.py**’ file, and

**[ 1 ] 6-Fold Cross Validation for varying degrees**

Put the mfin cv graph here, maybe some analysis and also show d\* on graph to be cute

**[ 2 ] Optimal degree of model**

Talk about d\* here ig from the graph

**[ 3 ] Weights obtained from optimal degree**

Show w ig and maybe turn it into cute formula

**[ 4 ] Scores of selected model**

Score on train and test

**[ 5 ] Prediction Curve**

Make graph of train data and model on d\*

**[ 6 ] Reflection**

Talk abt shi and maybe talk abt more graphs

**[ 7 ] Addendum**

Do the ridge regression stuff ig