



Wages Prediction: Project 4 Hackathon



PROJECT INTRO

Katharine King

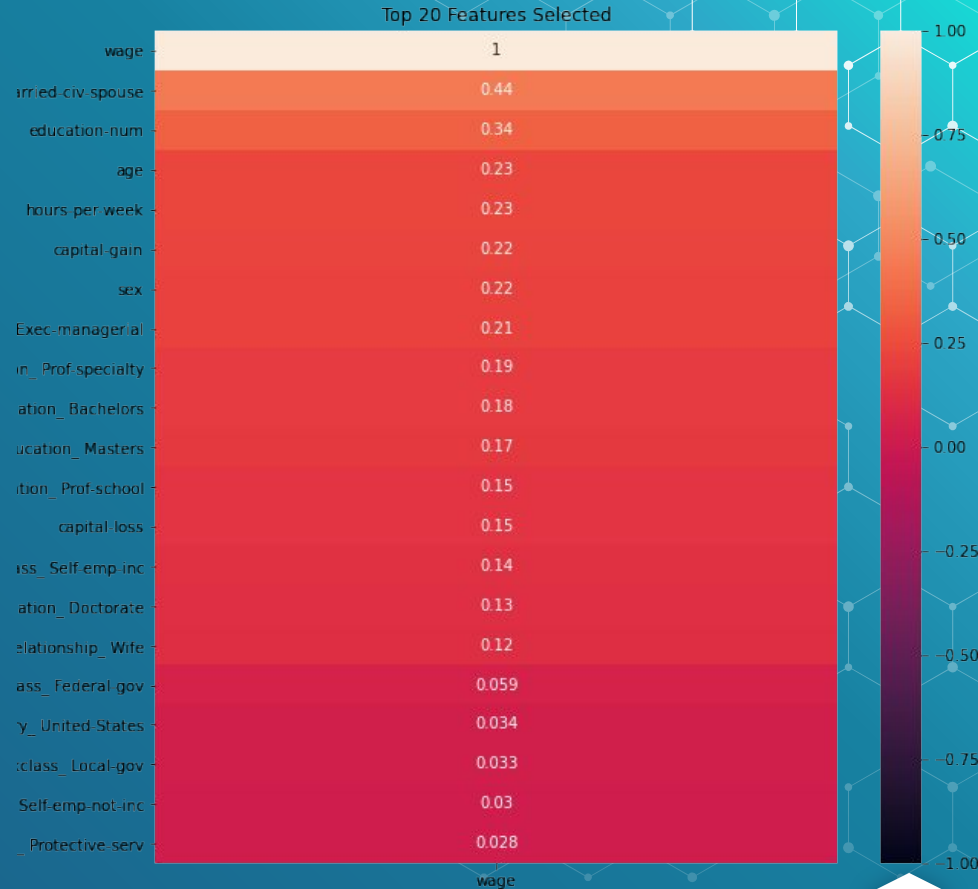
N.A. Kovacs

Will Hanley

Young Park

DATA CLEANING

- ◆ Limitations: 20 features
- ◆ Dummify & order by correlation
- ◆ Keep top 20 highest correlations





MODELS

Numerous models gridsearched for the best outcomes.



Initial Exploration

Getting a model set up:
Logistic Regression (81%)

Additional explorations kept
LogReg at the top of the
leaderboard for some time
(85%)

Exploring Polynomial
Features



ADDITIONAL MODELS

	Training	Testing
Random Forest	0.526	0.488
KNN	0.504	0.374
SVM	0.859	0.854

FINAL SUCCESS

Adaboost:

- ◇ Test: 0.862
- ◇ Train: 0.869

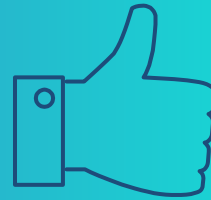
XGBClassifier:

- ◇ Test: 0.879
- ◇ Train: 0.872



THANKS!

Open for Questions &
Comments



Katherine King, N.A. Kovacs, Will Hanley, Young Park



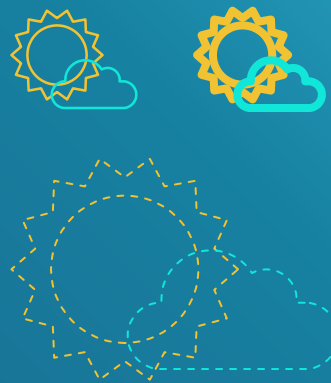
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Examples:



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