

Kiva Funding Poverty Predictions

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Problem statement

- Kiva platform provides loans to the financially excluded
- Knowing the poverty level of the borrower is important
- Problem: How to predict the poverty levels using data?

Methodology

- Initially analyze dataset given by Kiva Crowdfunding
- Explore and analyze external datasets provided by other participants
- Find our own external datasets and analyze them

Expected Results

- In the worst case: a deep exploratory analysis of multiple datasets that include the initial data
- In the best case: multiple prediction models that each incorporate different datasets

Expected Schedule

- March 9th – Begin analysis of datasets
- April 9th – Complete analysis of initial data and several external datasets
- May 2nd – Have a presentable model for poverty prediction based on multiple datasets

Course Relativity

- Numpy and pandas
- Jupyter notebook
- Performance optimization for data analysis