Automated machine learning

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0.1 Context

0.2 Learned in this study

0.3 Things to explore

1 Overview

- This assumes a supervised problem such as
- Classification
- Regression

2 Process

- Determine needs
- Collect datasets
- Clean datasets
  - Remove invalid rows
  - Impute missing values
  - Correct data
- Merge datasets
- Create dataset relevant to the problem
- Generate features
- Define the metric to optimize
- Train and evaluate various models on the provided dataset
  - In certain domains, evaluate the model against a baseline
- Analyze the produced predictions
  - Worst offenders analysis
- Generate a list of improvements suggestions
- Prioritize the improvement suggestions
- Implement the improvement suggestions

3 Notes

4 See also

5 References