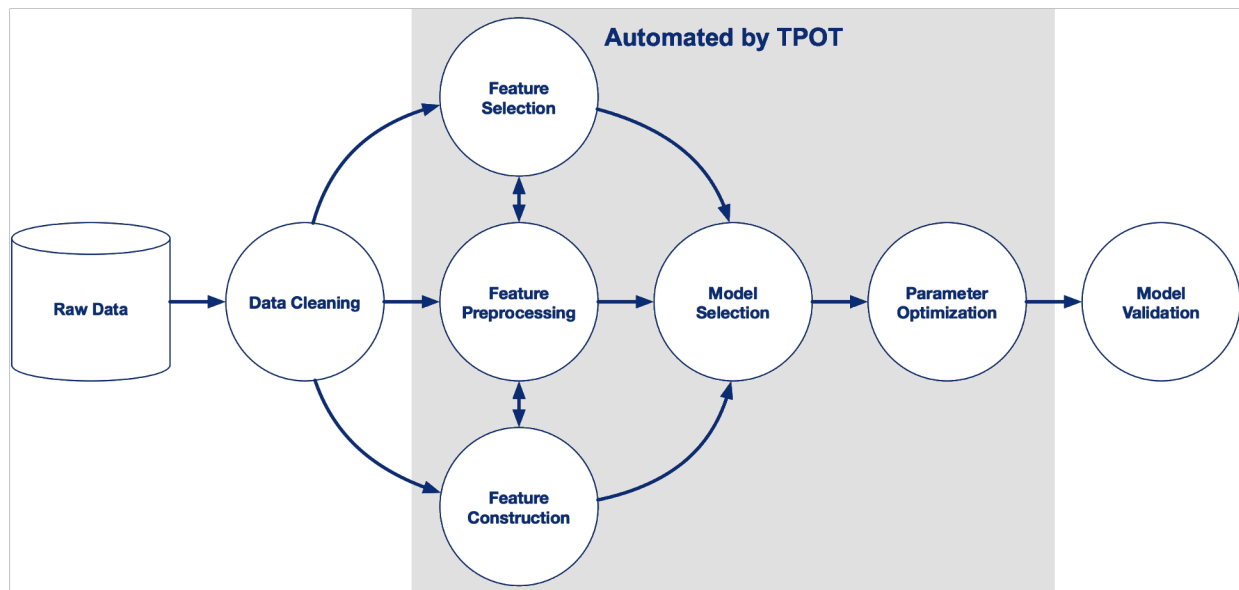


Man vs. Machine:

Automate your model selection with TPOT.

TPOT is a genetic algorithm that performs automated machine learning on a cleaned data set.



Frequently Asked Questions:

Q: Where can we learn more about TPOT?

A: <https://epistasislab.github.io/tpot/>

Q: What does TPOT output?

A: The exact code to run a near-optimal ML algorithm/processing for the data inputted

Q: Which algorithms does TPOT consider?

A: Scikit-learn classification and regression algorithms are considered and back-end logic finds a near-optimal solution

Applications:

In general, TPOT can be applied to any use case that machine learning would be used for. In specific, it may be particularly useful for:

- a) Feasibility analysis of an unexplored data set
- b) Parameter optimization of an existing model
- c) Baseline model selection

Team #

1

Noah Becker (beck0910@umn.edu)
Mahir Raitani (raita007@umn.edu)
Ashwin Sharma (sharm702@umn.edu)

Anirudh Mittal (mitta098@umn.edu)
Patrick Seng (sengx021@umn.edu)
Deepak Vohra (vohra016@umn.edu)