MI2 SUMMER CONF August 2, 2021



Guide through jungle of models!

forester: An R package to automatically select between tree-based models

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About us



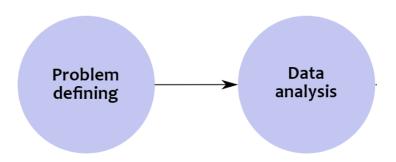
Hoang Thien Ly
Maths & Data Analysis student

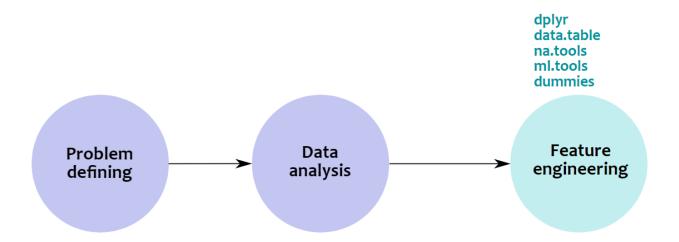


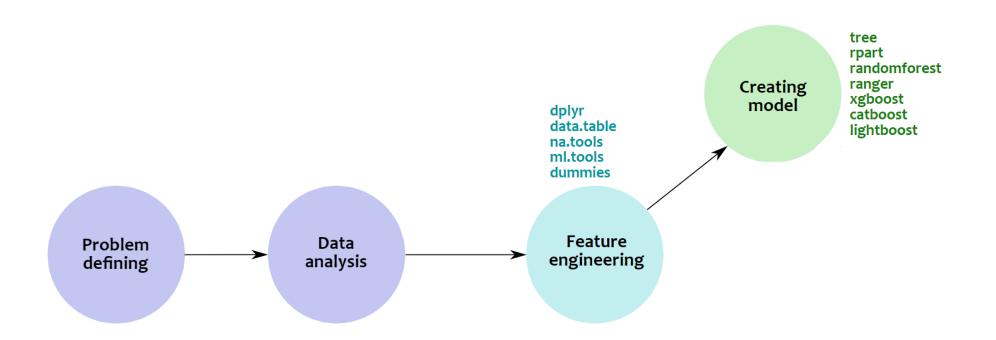


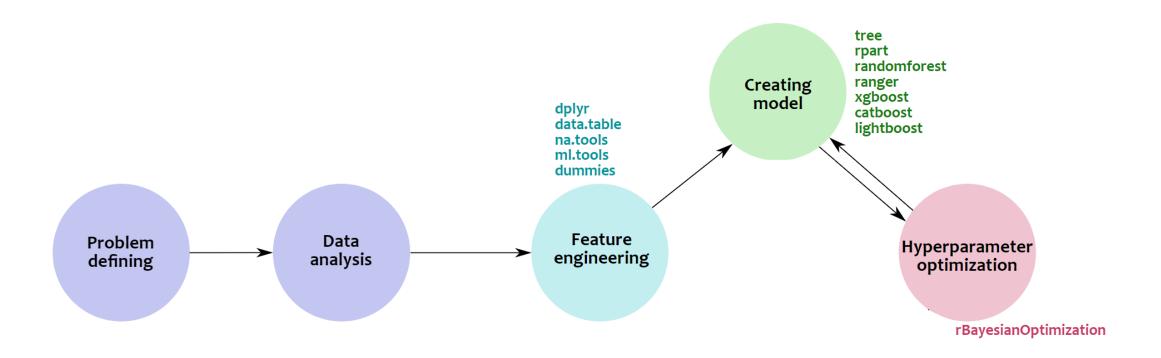
Szymon Szmajdziński Data Science student

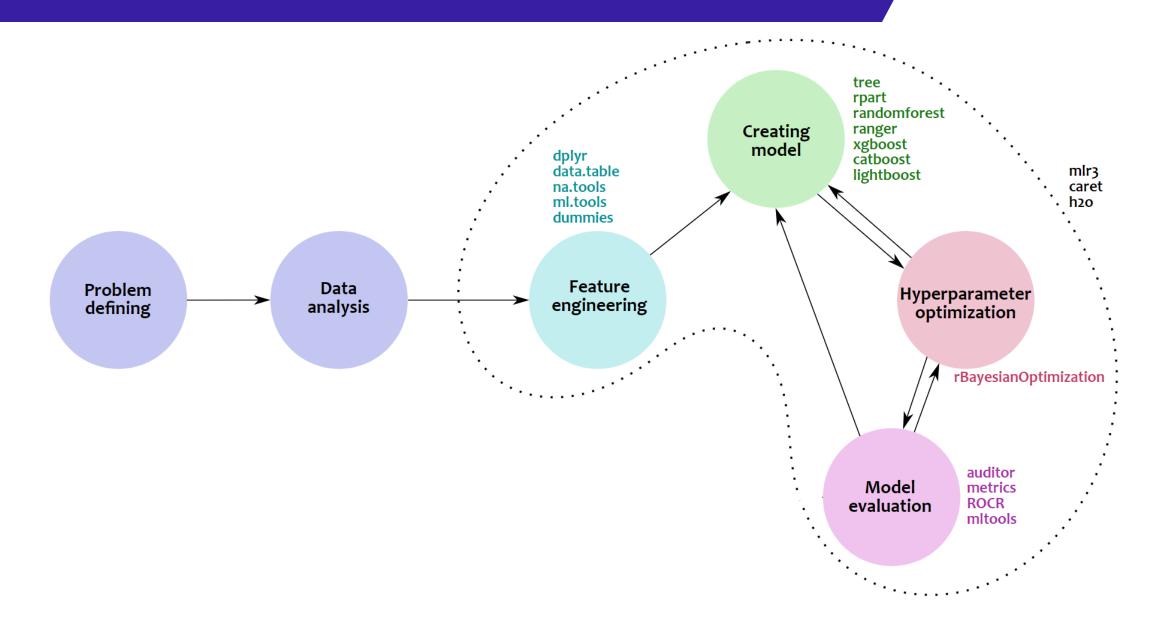
Problem defining

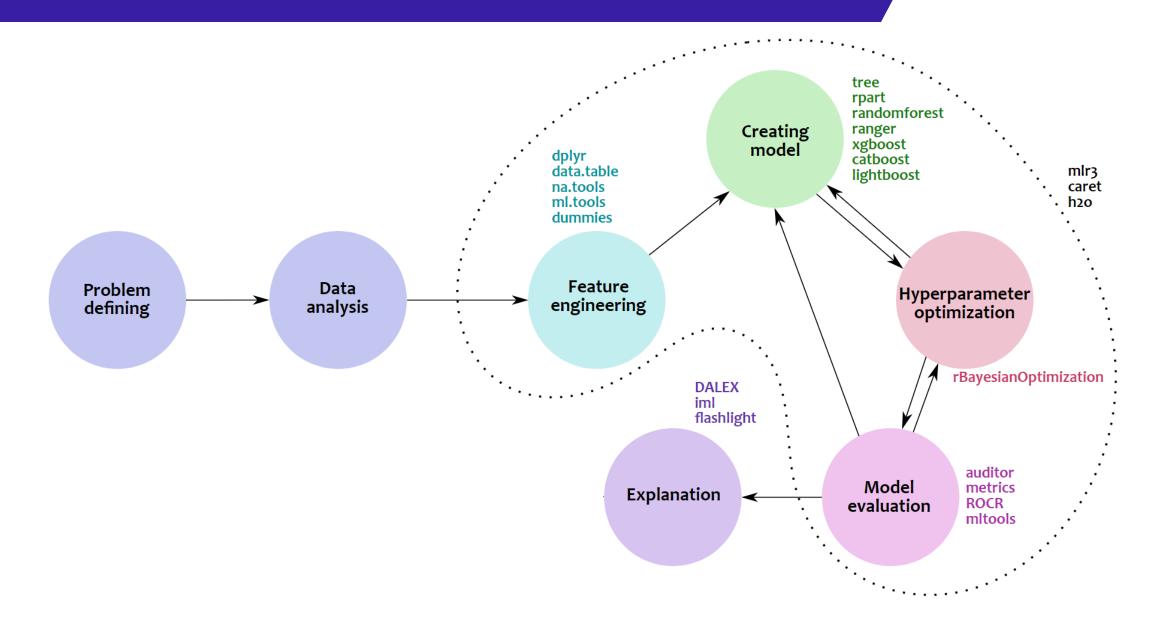


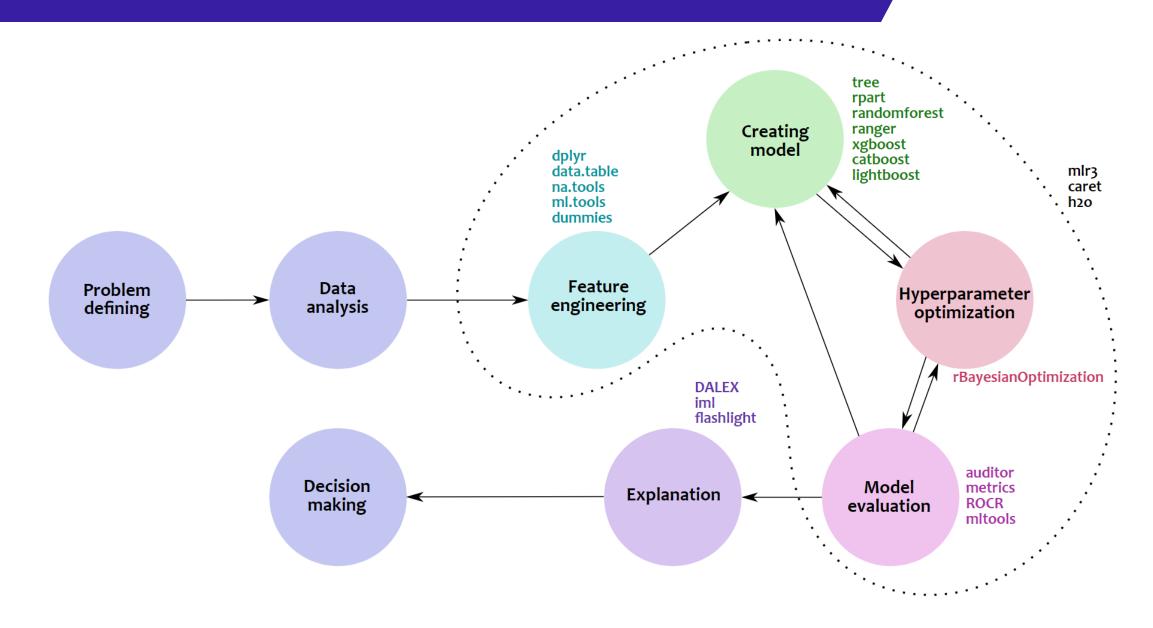




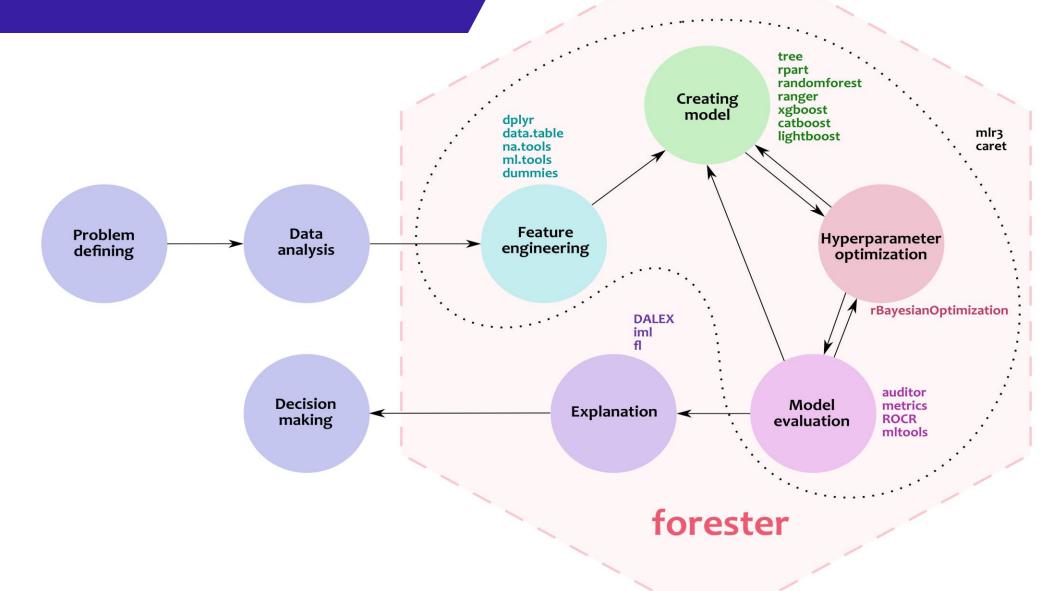








Forester package



Package structure make_ranger() make_xgboost() feature hyperparameter train(data, target, type) engineering optimization functions functions make_lightgbm() model evaluation functions make_catboost() Legend best models current version & explanations make_...() upcoming version

Why Forester?

- No requirement for data,
- Simple user interface,
- Automatic hyperparameter optimization,
- Comparing & selecting best model,
- Providing explanations.

Thank you for your attention!

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https://github.com/ModelOriented/forester

