

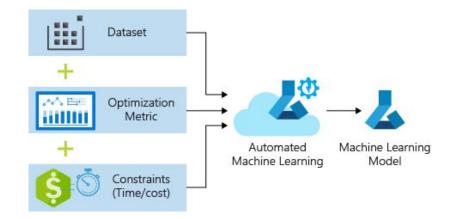
BTP-2

LoCoML: Towards development of a low code ML platform

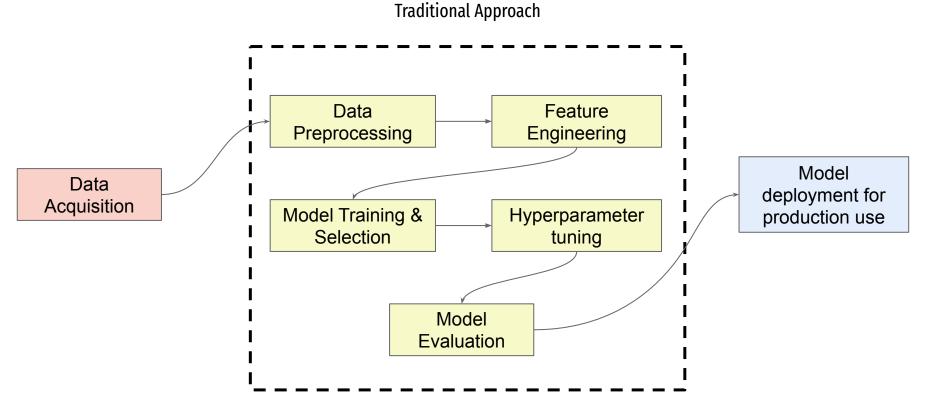
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What is low code ML?

- Provides an easy and efficient way to build ML models
- Enables users with limited ML experience to train high quality models specific to their needs.
- It incorporates automation features for various stages of the ML pipeline, such as data preprocessing, feature engineering, model training and so on.



Traditional ML vs AutoML



AutoML automates the various steps

Tasks Completed before Mid Evals

01

Data Ingestion

Users can upload csv files from local machine

04

Training the models

Users can select autoML mode with appropriate manual control wherever required

02

EDA

Users can see a quick exploratory analysis of the columns of selected data

03

Data Preprocessing

Providing options to preprocess data

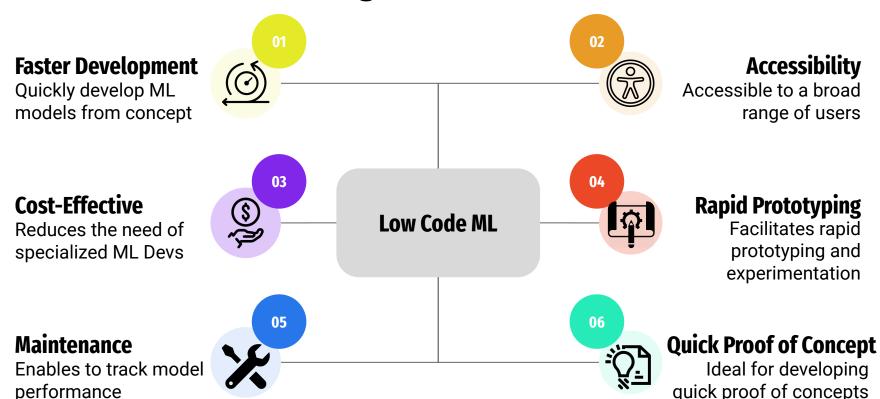
05

Model Evaluation

Model is evaluated on a number of metrics



Advantages of Low Code ML



Tasks completed after Mid Evals

Dashboard

Added overall statistics of the platform



Model Cards

Designed a compact

Designed a compact representation of model info



Successfully able to deploy model on a docker container





Visualizations

Added graphs and visualizations for models

Model Versioning

Implemented various methods to update model & version them





Inference Implemented single

04

Implemented single case & batch inference to get predictions instantly

Thank You