



Machine Learning Minimum Viable Product (MVP)



Machine Learning Minimum Viable Product (MVP)

Overview

Machine Learning for Minimum Viable Product (MVP) helps customers develop an initial machine learning model running on Google Cloud Platform to demonstrate iterative proof-of-concept modelling of a specific business use case.

Key Activities

DATA EXPLORATION

Analyse available data sources to assess state of data and potential usefulness of applying to Machine Learning.

- + Analyse data characteristics
- + Assess data quality, cleanliness, potential correlation, and patterns
- + Validate hypotheses relative to data

ALGORITHM SELECTION

Research modelling strategies to determine appropriate ML selection algorithm to address business problem.

- + Research existing strategies and whitepapers
- + Select known algorithms based on hypothesis, type of features, patterns in data
- + Document decisions related to algorithm usage

APPLY MACHINE LEARNING

Create ML model features based on raw data analysis and tests.

- + Apply domain knowledge to identify potential features
- + Advise on transformation of raw data into feature recommendations
- + Suggest new features and remove redundant, duplicate and/or highly correlated features

INITIAL MODEL DEVELOPMENT

Develop an initial ML model using the data to solve the business problem, and iterate.

- + Define the right modelling strategy and choose the right ML algorithms
- + Select data set for training, test set, and validation
- + Develop initial model to prove conceptual potential
- + Determine duration and amount of data for initial experiment

Why this package?

- + Build proof-of-concept specific to business use case identified
- + Develop initial machine learning model

Deliverables

- + Preliminary machine learning model through an iterative process

Pricing

- + 2 to 6 weeks agile engagement to demonstrate proof-of-concept model for a specific business use case
- + Out of scope examples: building a complete data pipeline, deploying the model into production, converting the model into an API
- + Pricing will be agreed upon by customer and Datatonic and specified in the applicable Ordering Document



+ datatonic