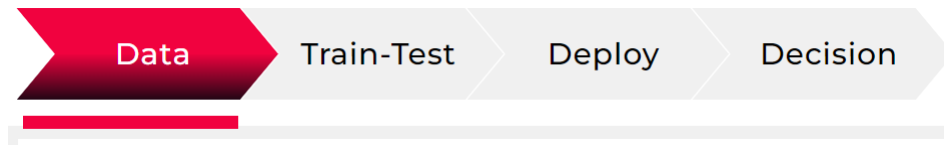


Hands-on Experiences on AI Implementation

Module 11: AI Implementation Process



IDARE®



4 Simple Steps

Data Collection
& Pre-Process



Build Model
Training-Testing



Deploy for
Production



Get
Decision

- Data Collection
- Perform Preliminary Data Preprocessing
- Get your 1st ML prediction result to have an overall assessment

- Variable Selection or Feature Engineering
- ML Model Selection
- Parametric study
- Finalizing the model

- Production data collection
- Production mode setting
- Configuring, saving and distributing results
- Result post processing for decision making

- Result Visualization
- Scenario analysis for optimized decision

AI Implementation Process

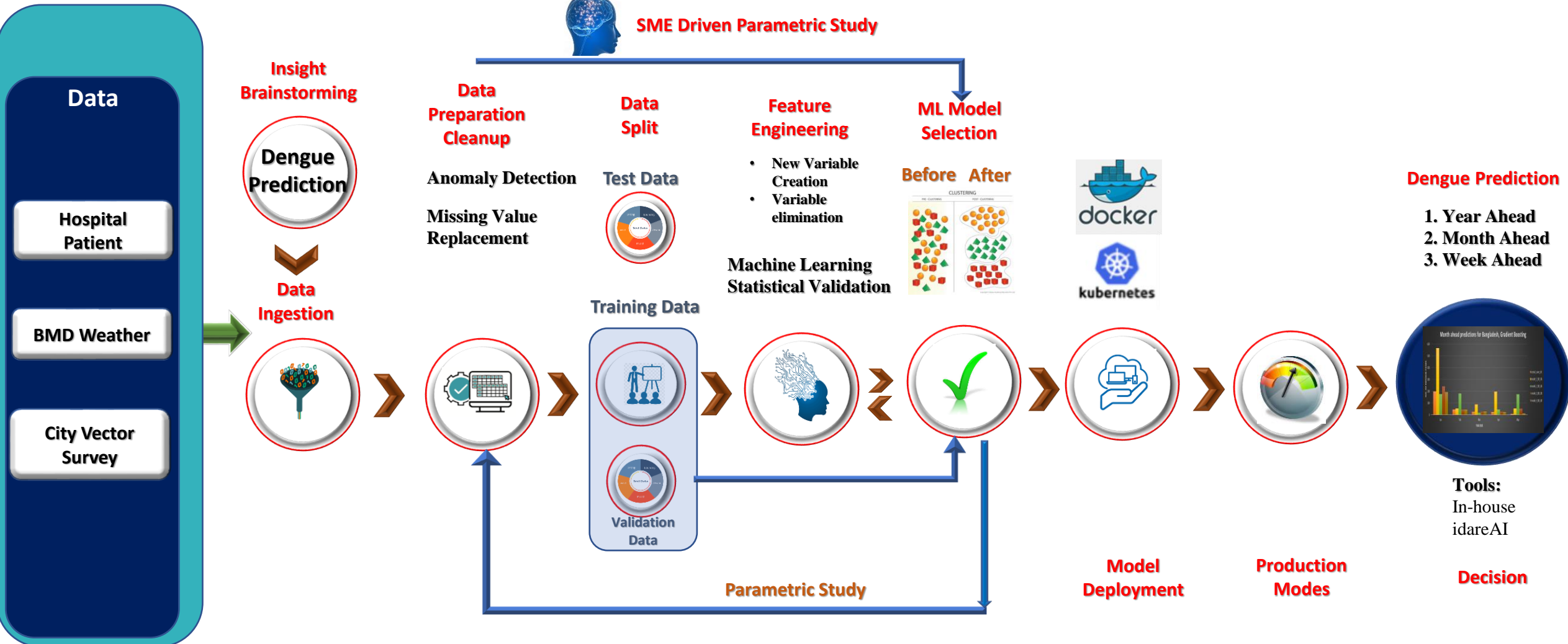
IDARE®

Data

Training- Testing

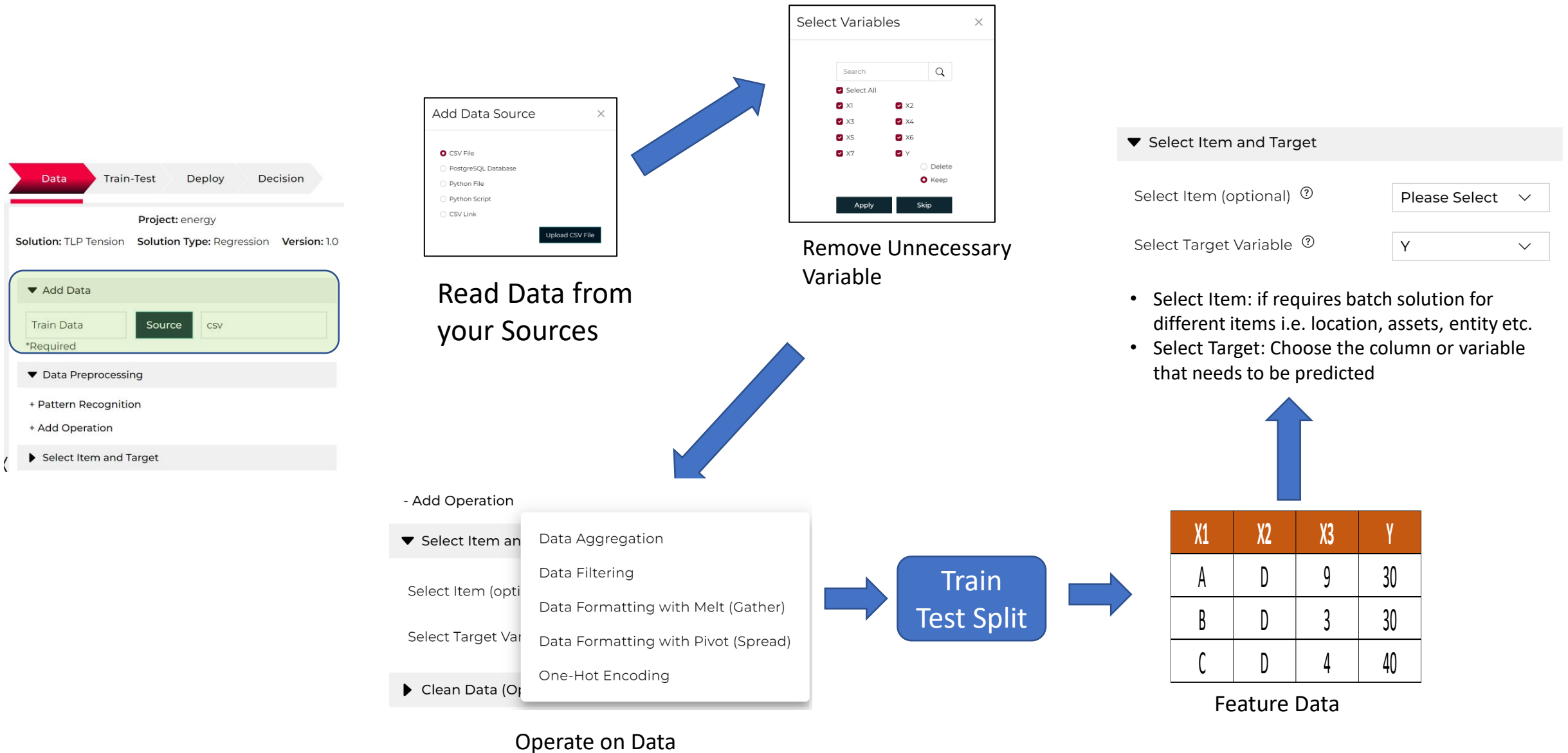
Deploy

Decision

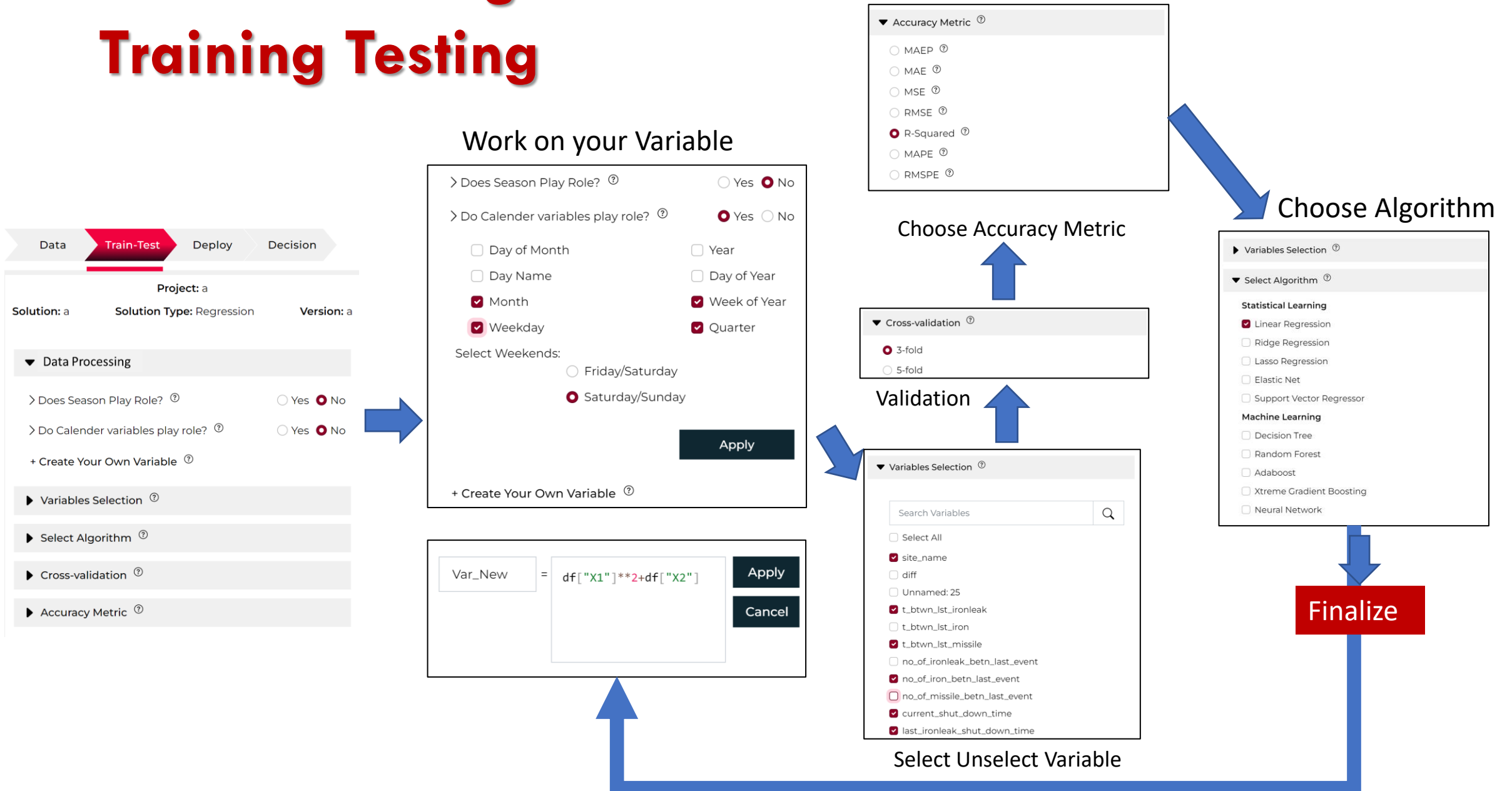


IDARE®

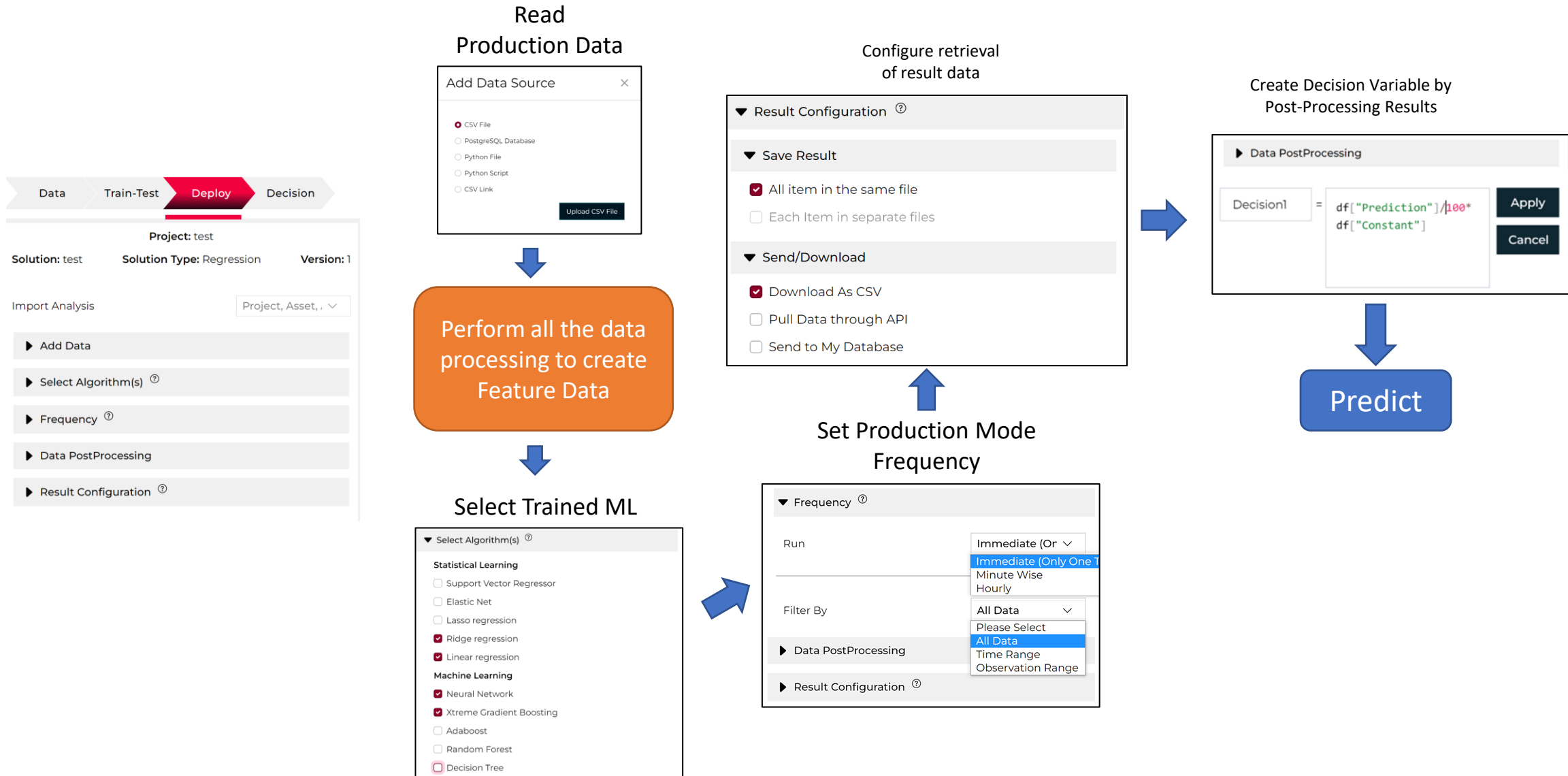
Data: Data Collection and Preprocess



Model Building: Training Testing

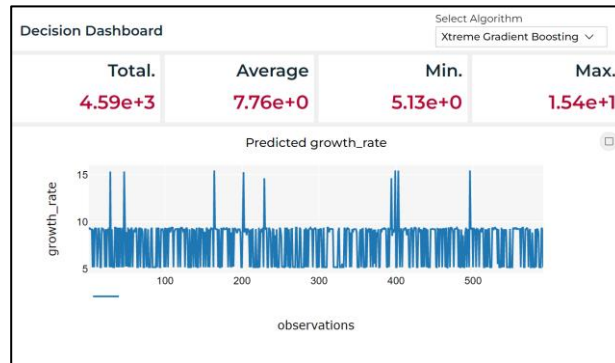


Deploy: Prediction in Production

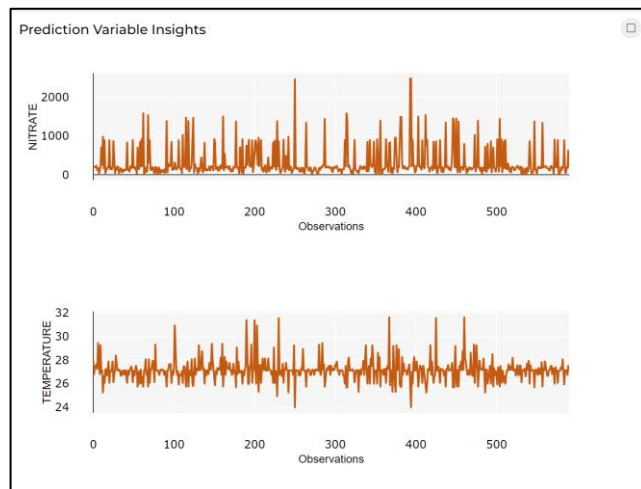


Decision

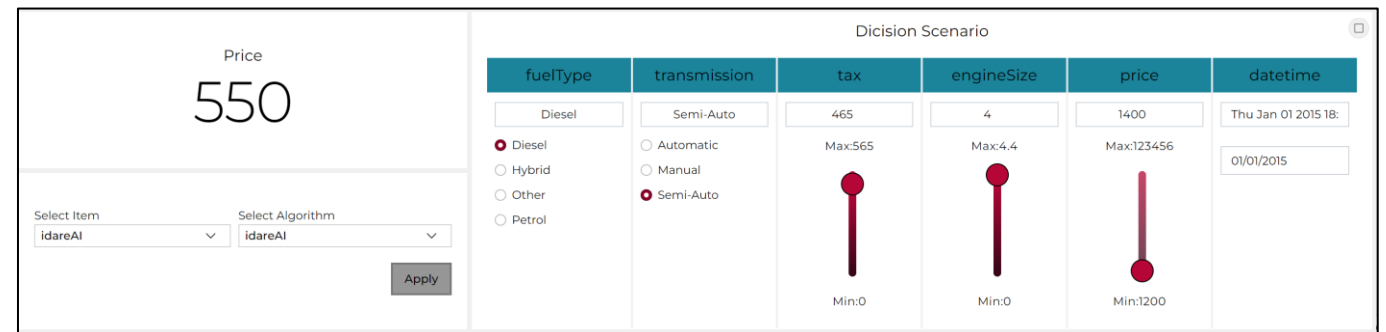
Visualize your Prediction Result



Visualize your data behind the Prediction



- Obtain Different Decision scenario by what if analysis
- Change different value of your production data to check what will be the prediction and associated decision variable



Successful Model Building: Variable/Feature Selection Strategy IDARE®

Your target will be Lowest Error with Highest Stability with optimal bias and minimum variances.

Select the variable for

- the lowest error AND
- lowest differences between train and test error.

