

# AI for Smart Discovery

Vision: Enabling users to translate data to new insights at pace

## Our Motivation



### Big Data

Data are churn out regularly and there is a need to utilise them to derive insights



### Hypothesis

There are many hypotheses to explore in every problem



### Knowledge

There are limited data scientists available and a large variety of in-depth analytics techniques to learn

## Why Smart Discovery



### Requires No Coding

User-friendly interface with technical complexity hidden



### Requires No Extensive Training

Simplified data science workflow done by leveraging on best practises



### Requires No Data Science Knowledge

Codified knowledge from data scientist and made it easy to understand

## Smart Discovery's Core DNA



### Data Exploratory

Enable users to discover new patterns which will lead to new findings



### Descriptive Analytics

Reveals meaningful insights to validate hypothesis and address business issues



### Predictive Modelling

Generates easy to understand outcomes that users can use for future predictions

## Benefits

- **Gain new insights**
- **Identify potential causes**
- **Predict future values**

## Early Success

- **Engine Investigation**
  - Engine vibration: Potential caused on engine vibration was identified
- **Implement new error reporting system**
- **Reduce testing failure rates**
- **Avoid cost of millions of dollars**

## Use Case

- **Engine Manufacturing**
- **Engine Health Monitoring**
- **Engine Assembly & Testing**
- **Other domain & industries**