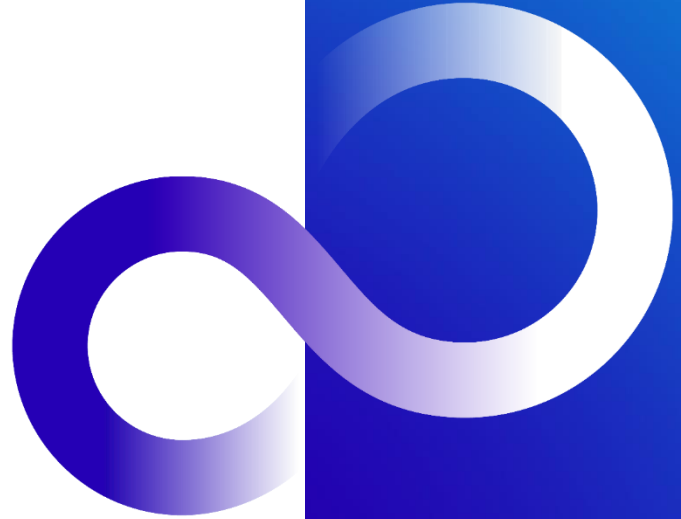

Automated Machine Learning

Luke Vandeppeer
Fujitsu Data and AI, APAC
18th October 2023



Luke Vandeppeer

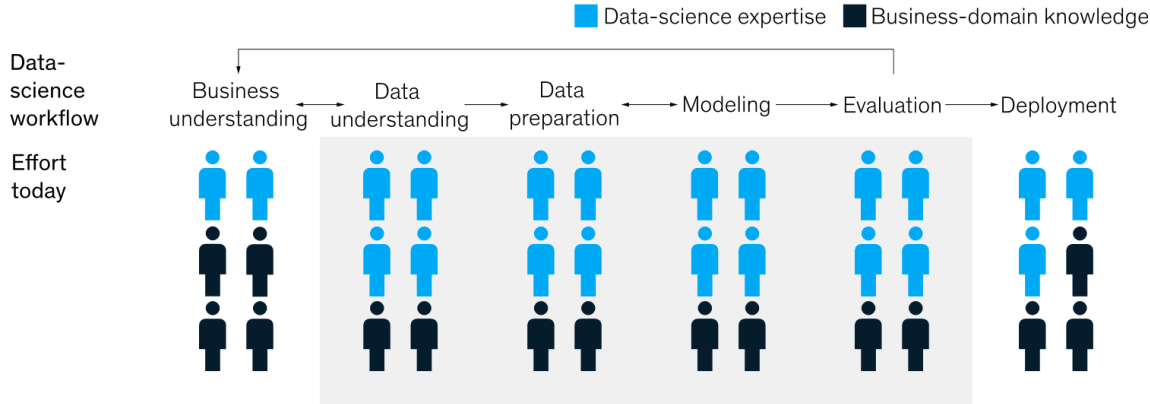
Lead Consultant - AADP

Luke Vandeppeer has been working with Data for over 10 years in both the mining and the hospitality and tourism sector across many countries throughout the South Pacific. His passion for data started when he was leading the charge in making data driven decisions in a revenue management capacity and he quickly made the transition to curating that data rather than just being the end user of it.



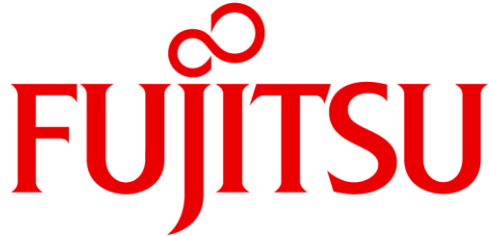
My Role as a Data Analyst





AutoML is a research activity that **scales AI application by automating AI utilization processes.**

<https://www.mckinsey.com/capabilities/quantumblack/our-insights/rethinking-ai-talent-strategy-as-automated-machine-learning-comes-of-age>



Kozuchi (code name)



Google Cloud
AutoML Vision

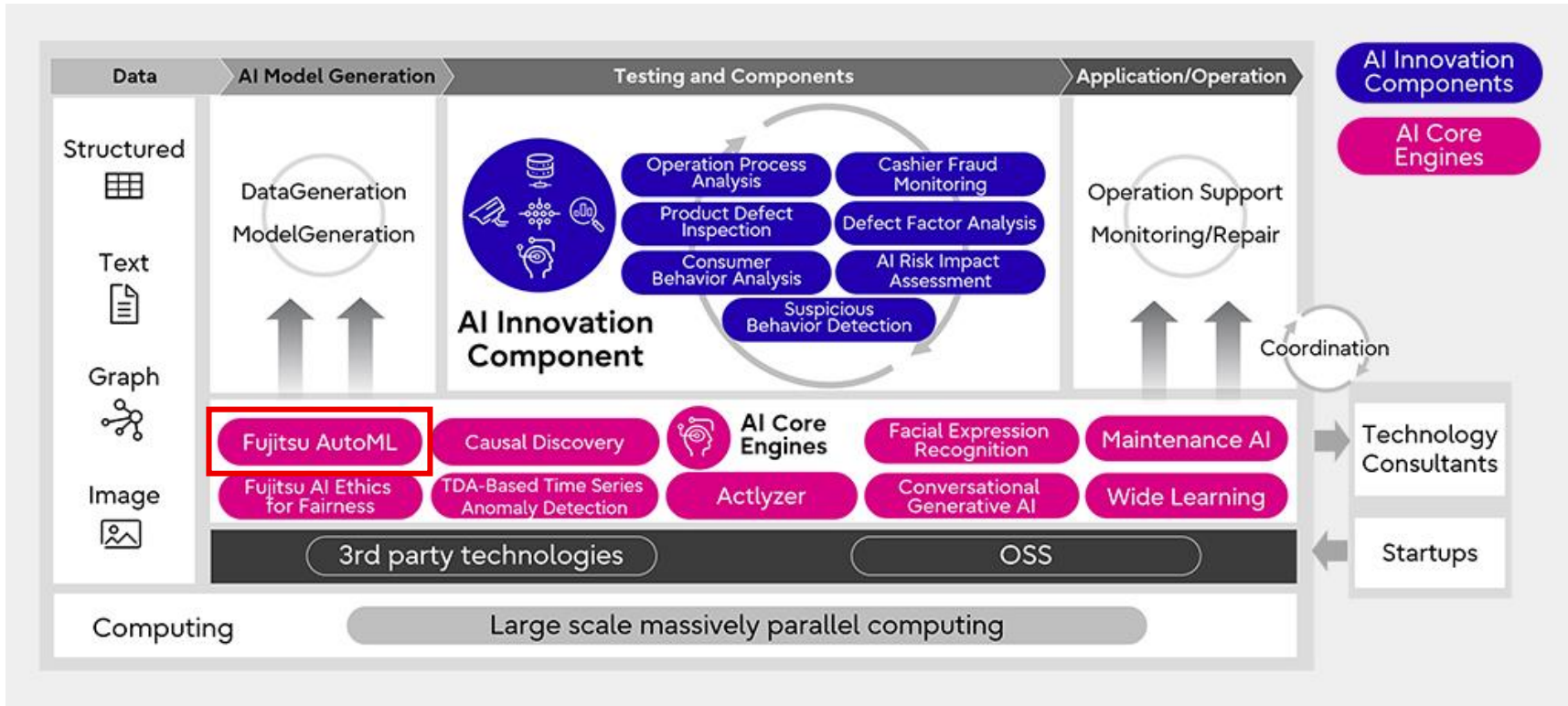


Azure Machine
Learning AutoML



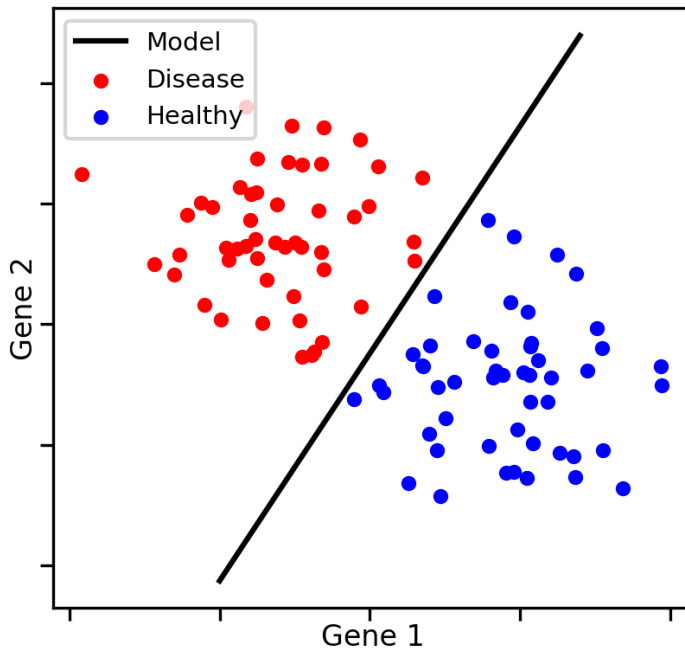
AutoML for
Amazon Sage
Maker

Fujitsu's AI Platform



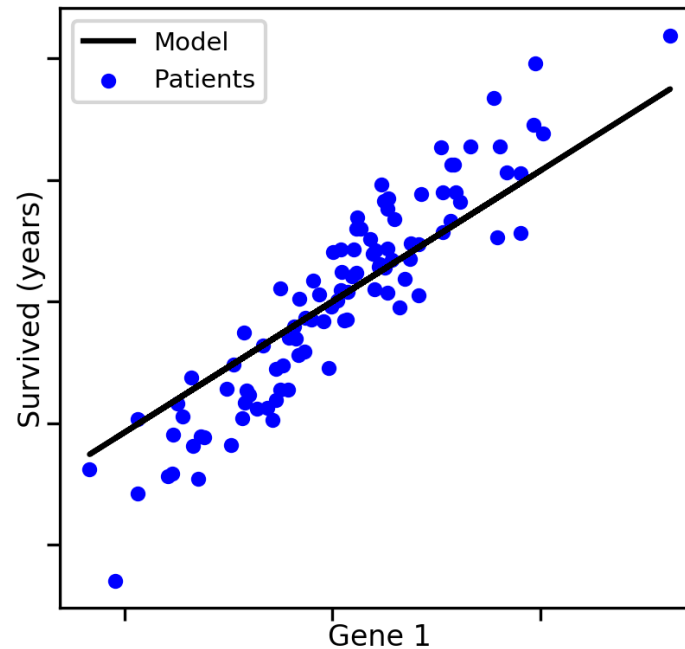
What Do AutoML Tools Do?

Classification



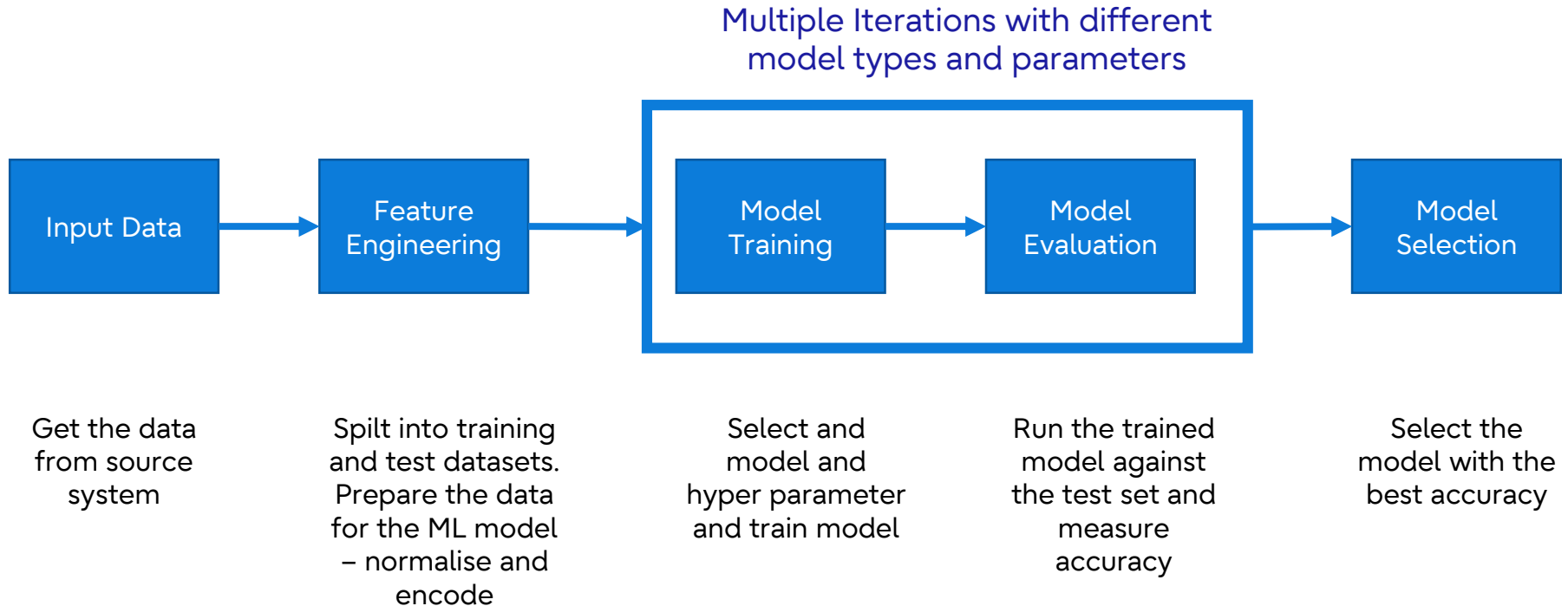
Predict which class data belongs to

Regression



Predict the value of a linear variable

How Do AutoML Tools Work



How to use Fujitsu AutoML

Fujitsu AutoML provides two modes that differ in specifying dataset: Tutorial mode using the sample dataset and App mode using your own dataset. Please read the [Terms of Use](#) and accept it beforehand, and click either the two below buttons. By clicking on the button, you agree to the Terms of Use.

Tutorial mode

App mode

In this page, we will describe the usage of Fujitsu AutoML in the Tutorial mode.

Flow (table of contents)

1. Specify dataset and machine learning requirements
2. Run code generation
3. Explore the results
4. Run predictions on the model built with the generated code

1. Specify dataset and machine learning requirements

There are two ways in specifying dataset: Tutorial mode using the sample dataset by just clicking "Submit" button and App mode using your own dataset. After uploading the dataset, you will see a preview of the training data and the machine learning requirements settings.

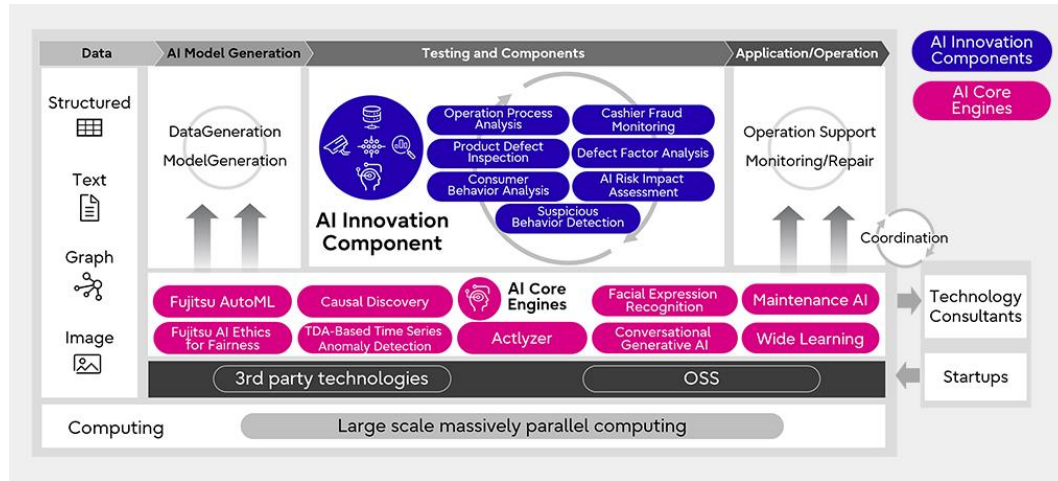
Please click "Go to App" button located at the left menu if you want to try App mode



Fujitsu AutoML

NOTE: Welcome to Fujitsu AutoML. This is the tutorial.

- 1 AutoML enables rapid generation of ML Models
- 2 Many different models are tried and evaluated
- 3 The best performing model can be selected
- 4 Great for data analysts to gain insights from data
- 5 Also great for data scientists to rapidly create models which they can tune

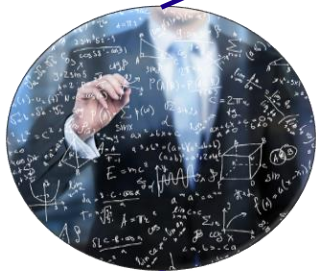


Fujitsu offer a range of other AI Services:

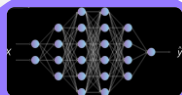
- Human behaviour analysis (Actlyser)
- Ethical AI tools
- Generative AI tools
- AI Test Drive

Fujitsu AI Test Drive

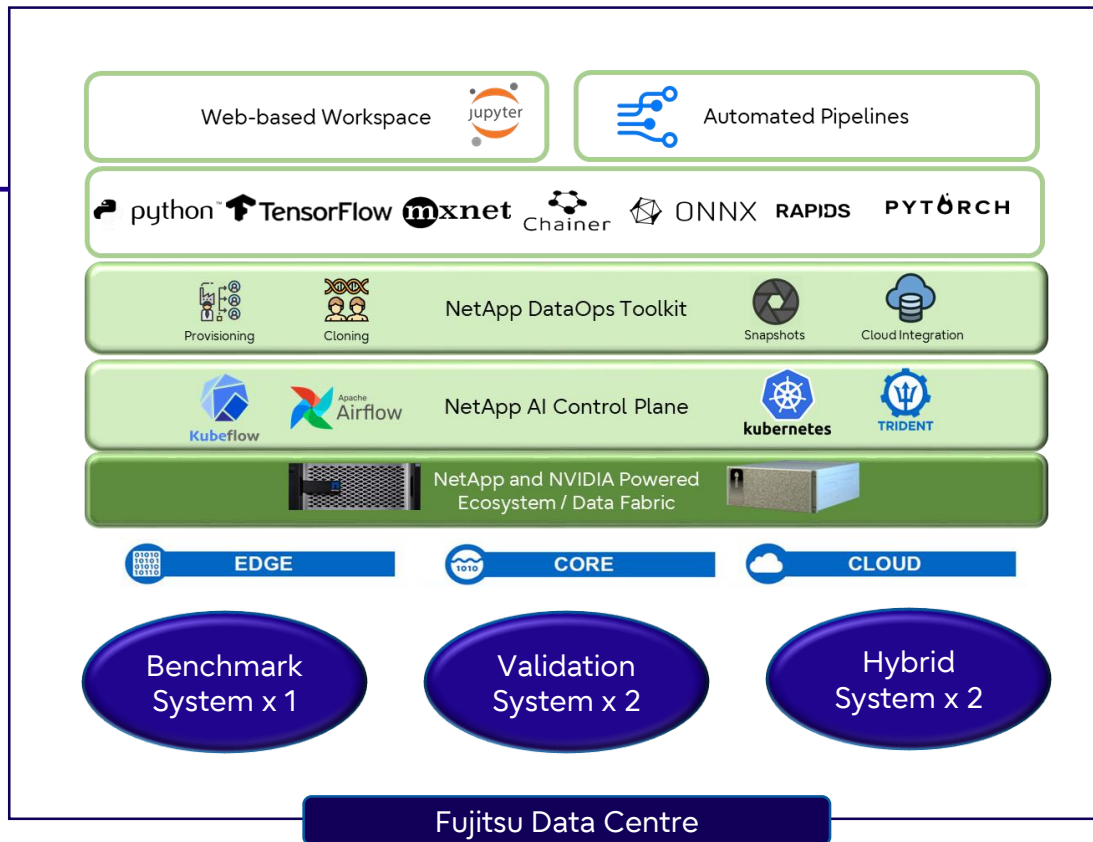
Data Scientists/
Researchers from Anywhere



Data
Large amount of data
to analyse



Math
Algorithms to solve
complexity



Questions

