

Applied Data Science

Model Building

Group 4

Model Building:

- Building a model in machine learning is creating a mathematical representation by generalizing and learning from training data. Then, the built machine learning model is applied to new data to make predictions and obtain results

Training The Model In Multiple Algorithms:

- Machine learning models are powerful tools used to efficiently and effectively perform vital tasks and solve complex problems. An exponential increase in data across the modern world means organisations from a range of sectors are ready to deploy machine learning models. These models have a huge range of uses, whether machine learning in finance proactively monitoring bank transfers for signs of fraud, or machine learning in healthcare powering the next generation of diagnostic tools.

Six steps to build a machine learning model

- Contextualise machine learning in your organisation
- Explore the data and choose the type of algorithm
- Prepare and clean the dataset
- Split the prepared dataset and perform cross validation
- Perform machine learning optimisation
- Deploy the model.

Algorithms For Machine Learning:

