DATA SCIENCE PROJECT LIFE CYCLE

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Life cycle

Business Understanding

Data Collection

Data Preparation

Exploratory Data Analysis

Modelling

Model Evaluation

Model Deployment
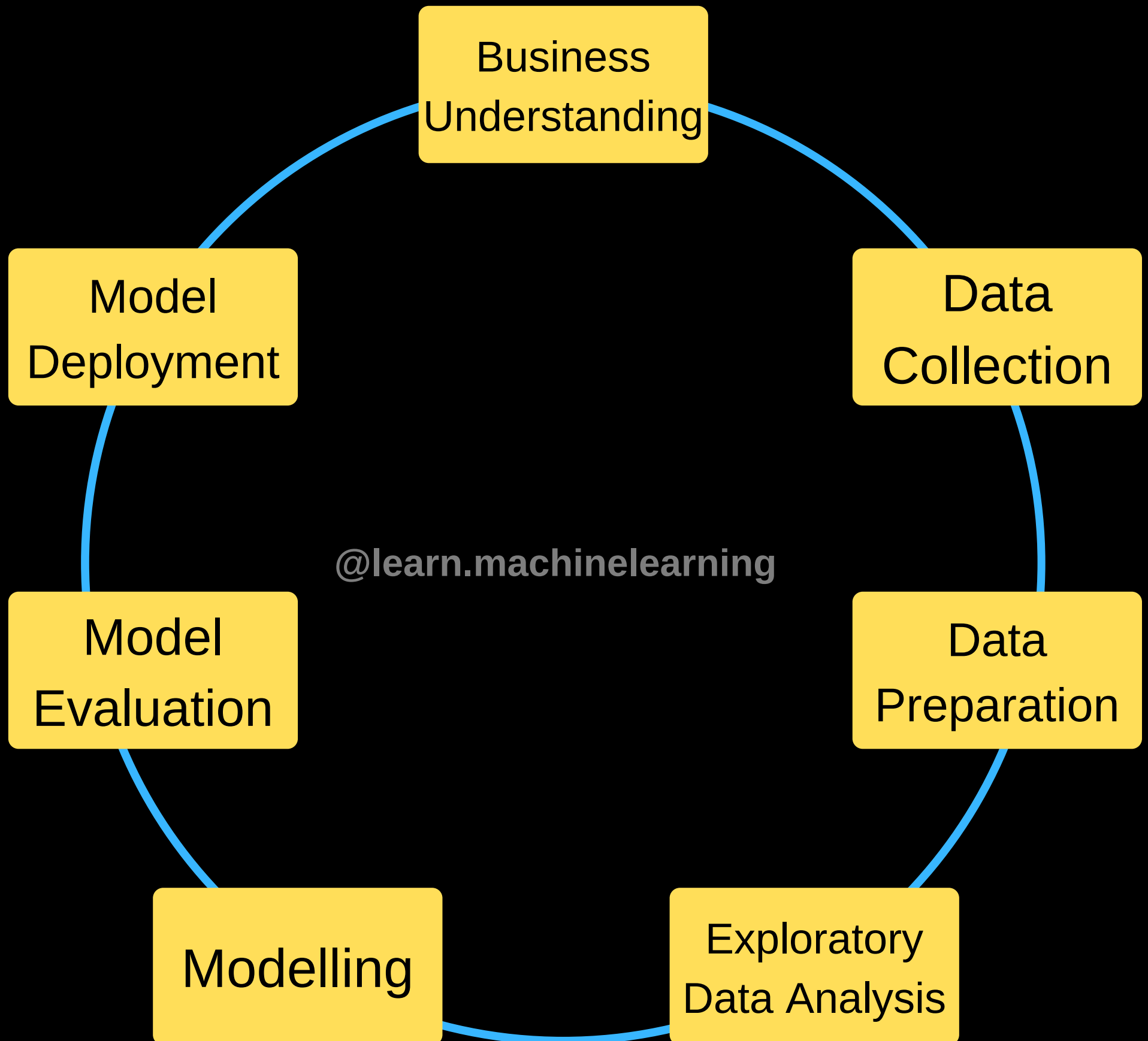
BUSINESS UNDERSTANDING

- success of any project depends on the quality of questions asked.

- Every business or domain will have their own goals and rules.

- If you understood the business requirement correctly, it helps you to collect the right data.

- Asking the right questions will help you to narrow down the data acquisition part.

Data Collection

- There is no Data Science without Data.

- Data is very important for making any data science project.

- Data is everywhere it can be logs, repositories, databases, social media, newspaper, journals, online, websites, etc....

- If you ask the right questions in step - 1, it helps you to choose the right data source.

Data Preparation

- Data can be in any format. To analyse it you need to have data in certain format.

- It could also be said that data needs to be cleaned before processing any further.

- Tthis step is also known as Data Cleaning or Data Wrangling.
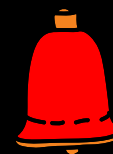
Exploratory Data Analysis (EDA)

- EDA plays an important role at this stage as summarization of clean data helps in identifying the structure, outliers, anomalies and patterns in the data. These insights could help in building the model.

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Building the best model by evaluating it and finally deploying the model to production so users can use it.

Thank You.

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