1. AGENDA

PROJECT : Employee Performance Analysis with Python programming in the VS Jupyter Note Book, and to connect the Neo4j Graph data base with Desktop.

- **The following insights are expected from this project.**

1. Department wise performances
2. A trained model which can predict the employee performance based on factors as inputs. This will be used to hire employees.
3. Connect the Neo4j Database of Desktop & Visualize the Graphs with the particular features.

2. PROJECT STRUCTURE :

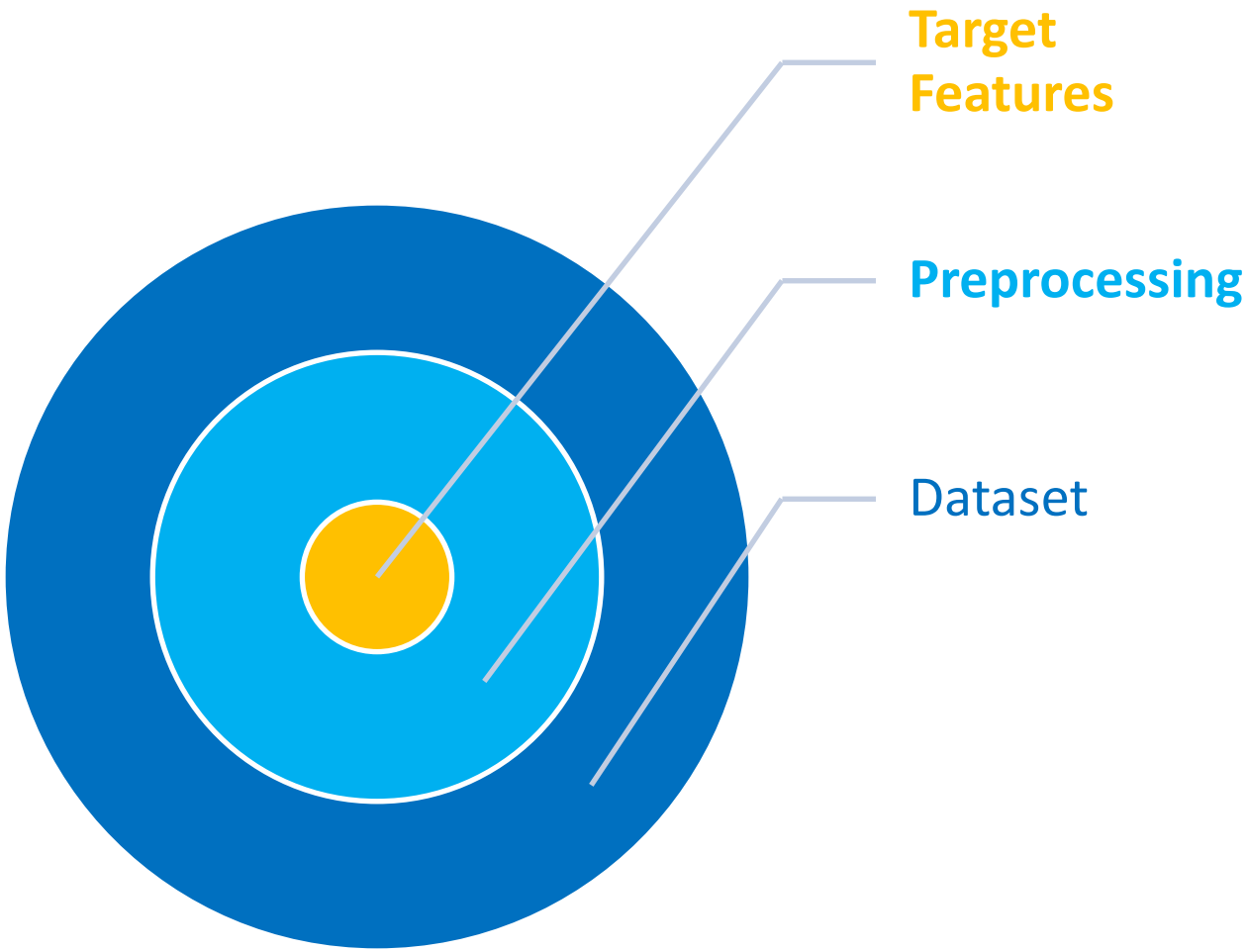
- The following insights are expected from this project.

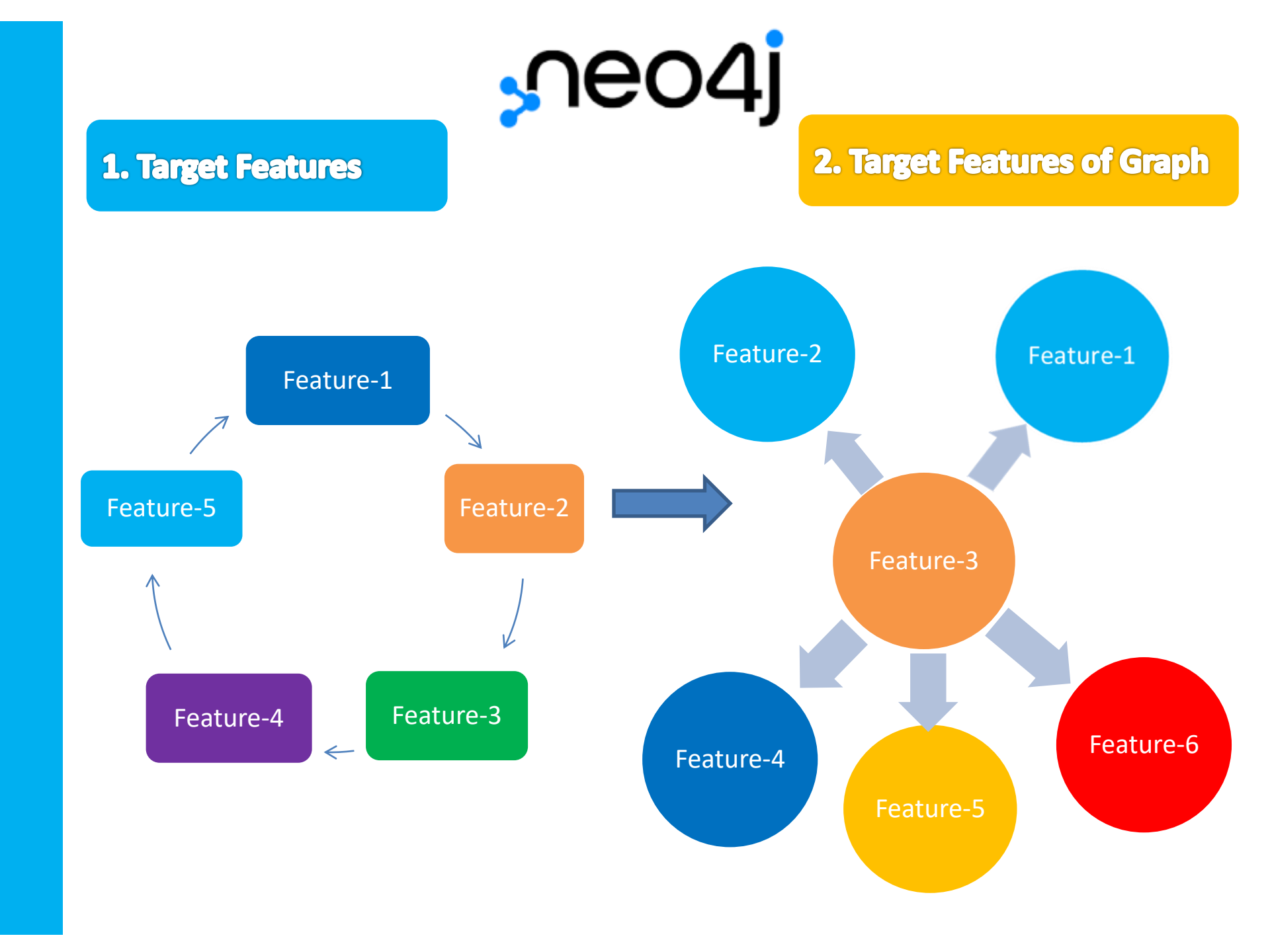
1. Data Preprocessing.
   a) importing the necessary Libraries.
   b) Importing the Dataset
   c) Handling the Missing data (Nan Values).
   d) Encoding Categorical Data
2. Data Describing & checking Correlation to be Feature selection.
3. Splitting the Dataset.
4. ML model selection to be approach Accuracy of the particular features.
5. Approached 95% accuracy with Randam forest Ml classification model.
6. Aggregation of Data

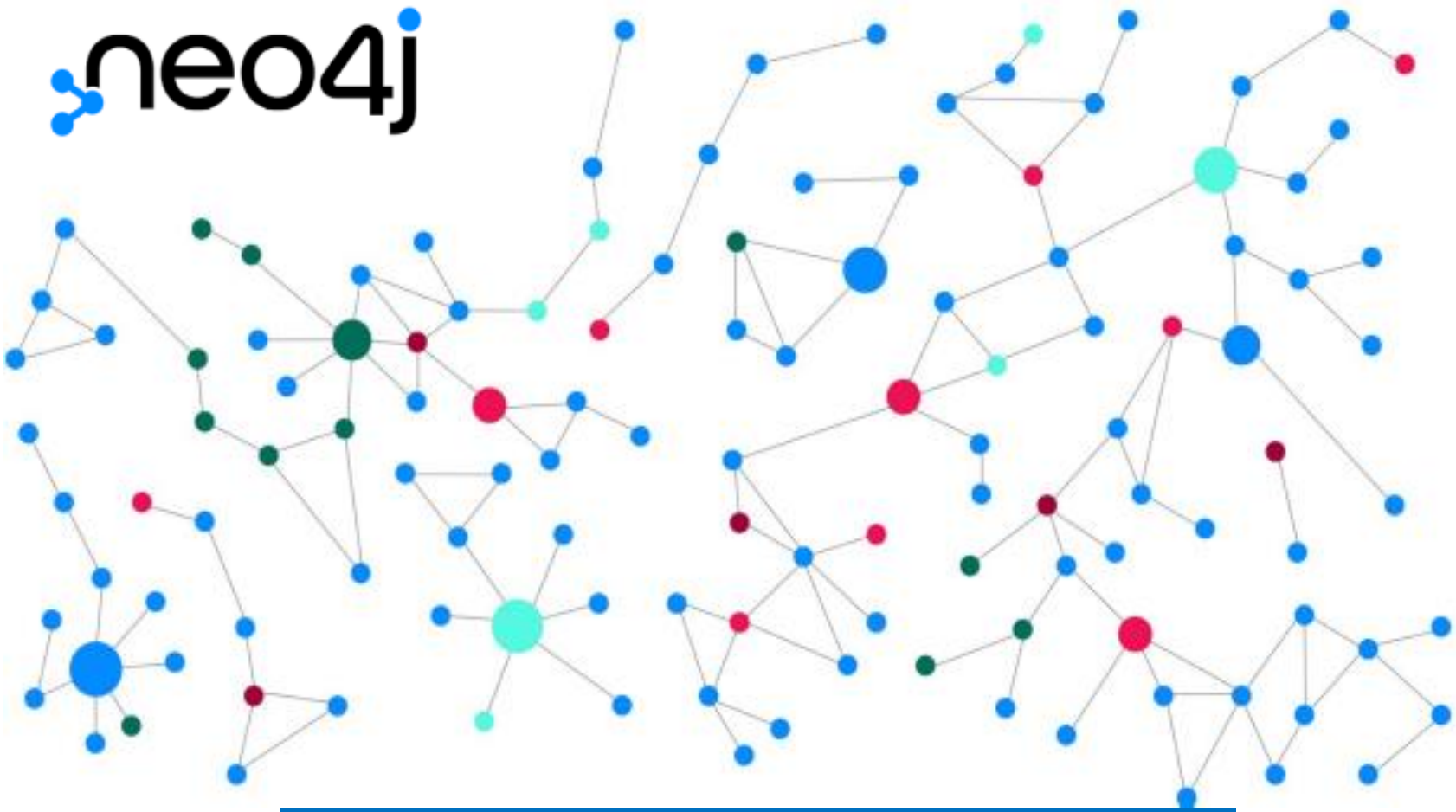
3. NEO4J GRAPH DATABASE CONNECTIVITY WITH THE NEO4J DESKTOP OR SAN BOX

- Converting the Model Prediction of the feature values into Neo4j sandbox to be Visualize the Graphs.
- 1. Analyze the data of features.
- 2. Importing the Neo4j Graph Data base libraries to be connect.
- 3. Create the Nodes & Relationships to be Visualize the Graphs in sandbox or etc.,
- 4. Use the Cypher Queries to be Visualize the Graphs in Desktop or sandbox or etc.,

4. DATA SCIENCE STRUCTURE :




neo4j
1. Target Features
2. Target Features of Graph
Feature-1
Feature-2
Feature-3
Feature-4
Feature-5
Feature-2
Feature-1
Feature-3
Feature-4
Feature-5
Feature-6



THANK YOU

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