Clustering On Pokémon Data

Goal:

Grouping the Pokémon Data into Clusters based on their abilities.

Work with the following Steps:

Business Understanding-> Explore & Write short notes on dataset info & Business Problem

Data Understanding -> EDA, Visualizations, Insights on Raw data, Qualitative and Quantitative analysis.

Data Preprocessing -> Missing value & Outlier treatment, Numerical and Categorical feature Transformation, Feature selection for modeling.

Applying Clustering algorithms

- Select Number of clusters based on Elbow method and Dendograms

Algorithms:

- K-Means
- H- Clustering (2 types)

Visualize Data among taken clusters

Add Cluster numbers to the Original Data

Insights on total analysis at the end.

Notes:

On each step of analysis make sure to write an insight within your IDE.

Dataset Ref: Kaggle