

Data Collection and Preprocessing Phase

Date	15 July 2024
Team ID	740682
Project Title	Polycystic Ovary Syndrome Classification Using Machine Learning
Maximum Marks	6 Marks

Data Exploration and Preprocessing Template

Identifies data sources, assesses quality issues like missing values and duplicates, and implements resolution plans to ensure accurate and reliable

Section	Description
Data Overview	This section provides an overview of the dataset used for Polycystic Ovary Syndrome (PCOS) classification. It includes basic statistics and structure of the data. (e.g., medical records, clinical databases, number of rows and columns, types of variables, data types)
Univariate Analysis	This section focuses on analyzing individual variables within the PCOS dataset to understand their distributions and characteristics using Frequency tables, percentages, and Identify potential outliers or anomalies within variables.
Bivariate Analysis	This section examines relationships between pairs of variables in the PCOS dataset to understand their correlations and interactions. Interpret findings to understand how different variables relate to each other. Visualize relationships using scatter plots, heatmaps, or other appropriate graphs.
Multivariate Analysis	This section investigates patterns and relationships involving multiple variables simultaneously to explore complex interactions within the PCOS dataset. Apply multivariate statistical methods to explore patterns. Identify clusters or groups of patients based on shared

