# Quantative Data Analysis

Introduction

Our aim is to apply quantitative data analysis techniques, utilizing statistical and predictive modeling, to derive actionable insights. The practical application will center on analyzing diabetic patient data sourced from the UCI Machine Learning Repository.

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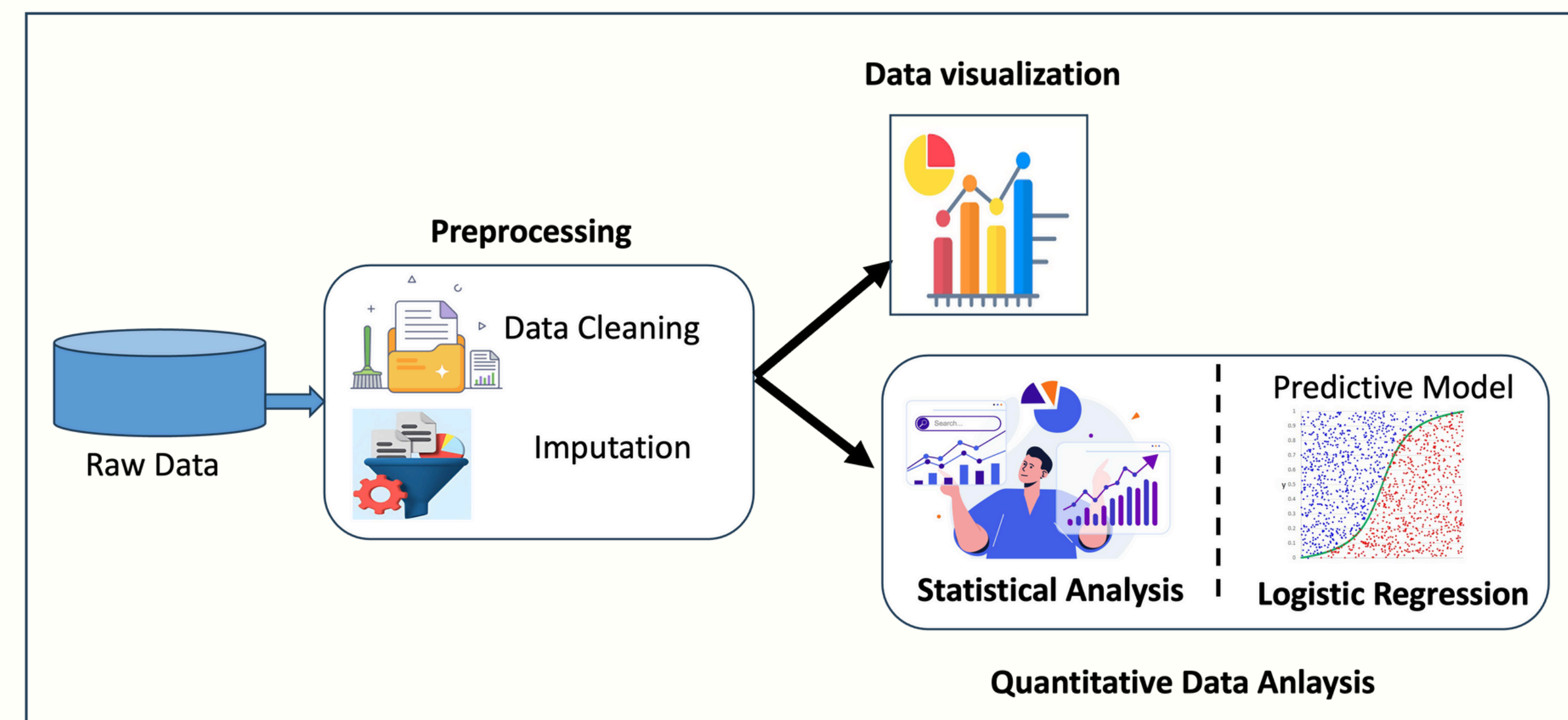**Course Coordinator:** Dr Ali Khater and Dr Shereen El-Fekry

System UI

Results:
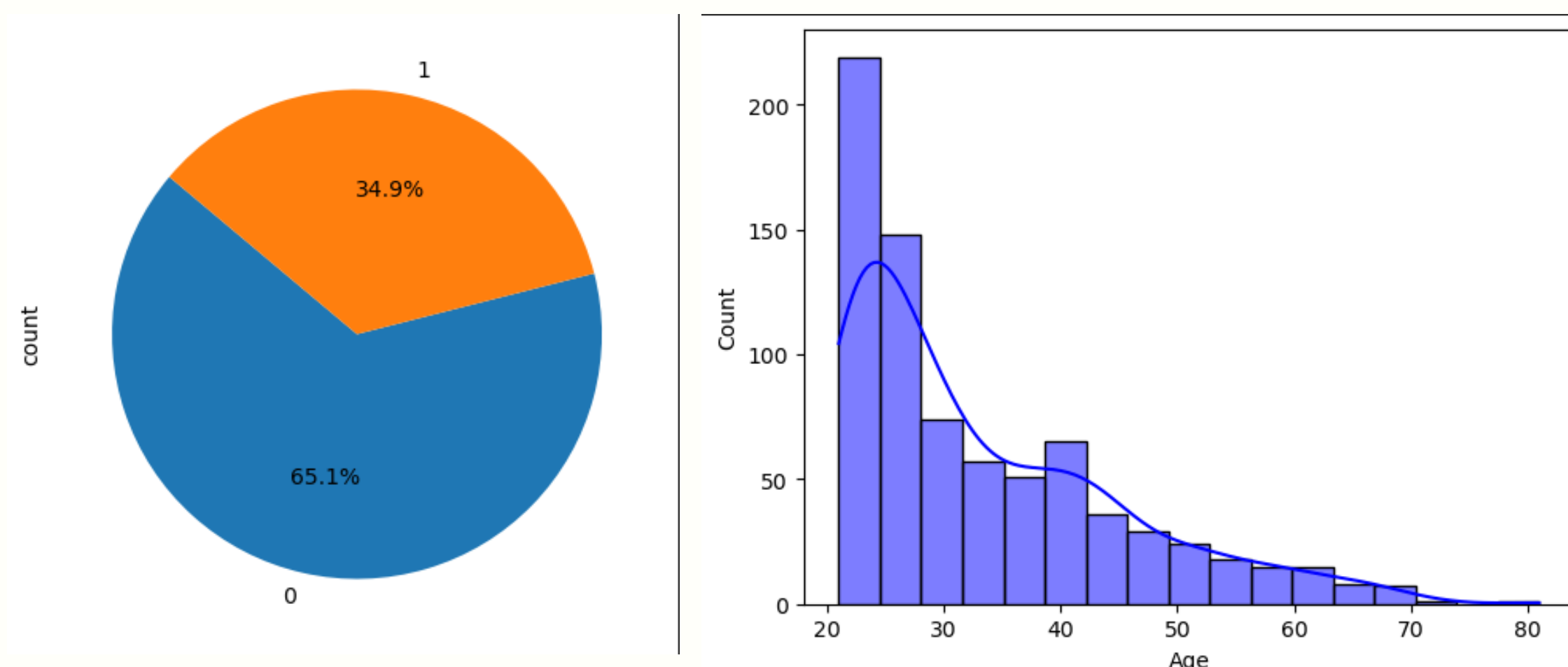
System Architecture

Pipeline:

Quantitative Data Analysis

Results

1. Statistical analysis:
   - apply statistical mean, mode, medium, variance, standard deviation, max and minimum on several features.
2. Logistic regression:
   - Data Split: 80:20 (Train, Test)
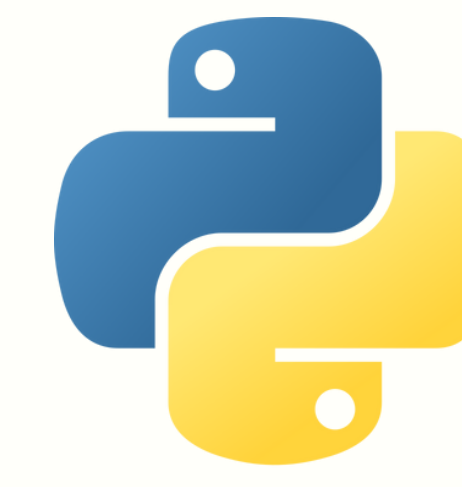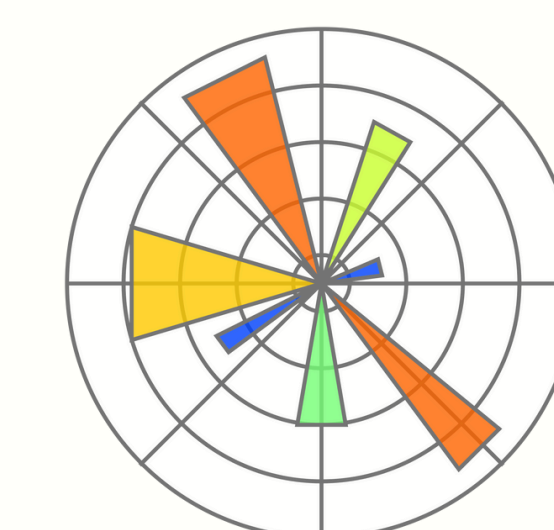   - Accuracy: 77%

References

M. Kahn. "Diabetes," UCI Machine Learning Repository, [Online]. Available: https://doi.org/10.24432/C5T59G.

Contact

Tools

Deep Minds 4