

Olympics Data Analysis Internship Project

Unified Mentor Private Limited

By: Data Analyst Intern – Suryavhi Das



Project Overview

Exploratory & analytical study of Olympic performance data

Technologies

- Python
- Power BI
- Machine Learning

Focus Areas

- Medal distribution analysis
- Top performer identification
- Gender-wise performance breakdown
- Predictive modeling & visual analytics

Methodology

1 Data Preparation

Cleaning, handling missing values, type conversions

2 Exploratory Data Analysis

Medal trends by year, sport, and gender. Country & athlete ranking

3 Visualization

Python (Matplotlib, Seaborn) and Power BI dashboards

4 Predictive Modeling

Medal outcome trend forecasting

Key Insights

4024

Total Gold Medalists

Male: 2539, Female: 1486

252

Best Gold Medal Year

1992

Top Medal Events

- Women → Handball
- Men → Football

Strong Football Nations

South America, Europe, Africa

Top Performing Countries

Australia, UK, Africa, India

Conclusion & Acknowledgement

Valuable Trends Identified

For countries, athletes & gender distribution

Performance Visualisation

Power BI dashboards provide clear performance visualization

Strategic Applications

Insights can assist sports analytics, talent identification & planning

Acknowledgement: A heartfelt thanks to Unified Mentor Private Limited for providing guidance, dataset access & mentorship during the internship.