FIFA World Cup Analysis

Presentation

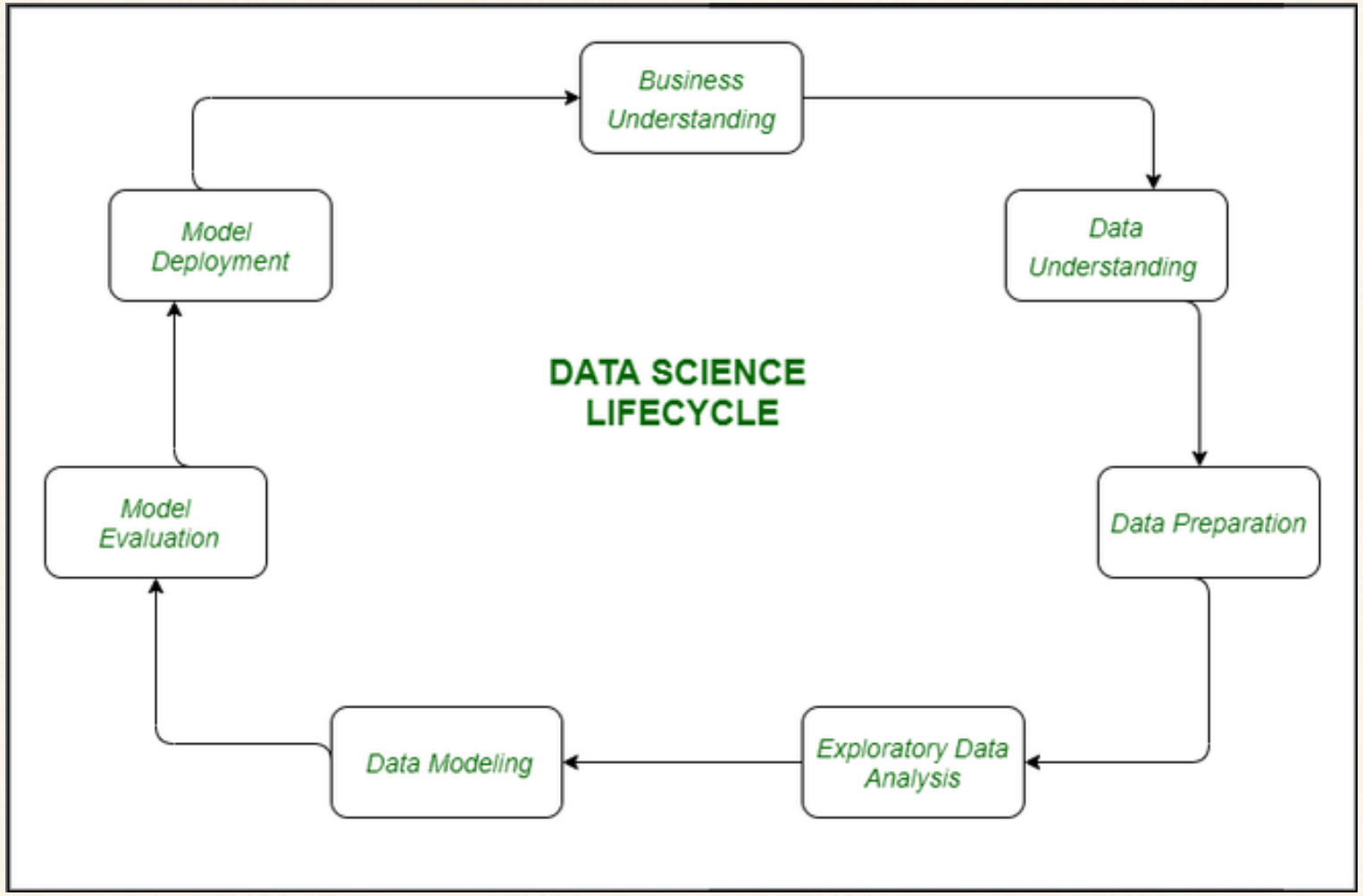
Project Details

Technology	Business Intelligence
Domain	Sports
Difficulty	Advance
Language	EDA using Python
Solution	https://github.com/AnujGrover-1/FIFA_WORDCUP_PROJECT

Problem Statement

- With FIFA being in the blood as many people of the world. You are tasked to tell the story of unsung analysts who put great efforts to provide accurate data to answer every question of fans.
- The FIFA World Cup is a global football competition contested by the various football-playing nations of the world. It is contested every four years and is the most prestigious and important trophy in the sport of football.
- The World Cups dataset show all information about all the World Cups in the history, while the World Cup Matches dataset shows all the results from the matches contested as part of the cups.
- Find key metrics and factors that influence the World Cup win.

Architecture



https://www.geeksforgeeks.org/data-science-process/

Benefits:

- Most Number of World Cup Winning Title
- Number of Goal Per Country
- Attendance, Number of Teams, Goals, and Matches per Cup
- Goals Per Team Per World Cup
- Matches With Highest Number Of Attendance
- Stadium with Highest Average Attendance
- Which countries had won the cup ?
- Number of goal per country
- Match outcome by home and away teams

Visualization Process:1

Collection OF Data

Collecting a lot of data is the first and most crucial stage in visualization techniques.
We can only use visualization techniques to gather a data and extract some useful insights from it once we have a significant amount of data.

Visualization Process:2

Clean Your Data

- Prior to constructing a visualisation, data cleansing must be carried out. A huge dataset may contain a number of data points with unsuitable, erroneous, or fake values that could result in the addition of anomalous graphics.
- The output of a data cleaning procedure is often a dataset devoid of mistakes, anomalies, etc., which provides significantly greater accuracy when processing data. The dataset domain you're working with largely determines how you clean data.

Visualization Process : 3

Prepare the Data

- To prepare the data before sending it further for visualization is to determine the type of graph, chart, or any other visualizations you need to create and the supporting library you will be integrating for it. After the chart is finalized it may be necessary to transform the data as per requirements.

- Data preparation tasks include finding data columns that help make some decisions out of it, giving some meaningful insights about data, grouping data, creating aggregate values for groups, combining variables to create new columns, etc.

Visualization Process : 4

Choose A Chart Type

- Before choosing a visual chart or graph, it is important to understand your audience and then choose a chart or graph accordingly which will best communicate the message.
- Choosing a chart totally depends on what findings you need to convey to your audience.

Visualization Process : 5

Visualize Data

- In the final step, you'll have the required data you need to create visualizations. Now you can apply all your visualizations skills on the prepared data and represent the data in charts or graphs with meaningful insights.

Thank You