**IPL\_2023\_AUCTION\_SOLD**

**Description:**

The IPL (Indian Premier League) auction is an annual event where cricket players from around the world are bought by different franchise teams to participate in the upcoming season of the IPL.

**Aim:**

The main aim of IPL auction is to allow franchise teams to build competitive squads for the upcoming season of the IPL.

In this project we find the who base price is high and who base price is low, who auction price high and who auction price low, which franchise is bidding money is high…etc.

After finding visualize the all data using PowerBi desktop.

**About Data:**

The table have contained mainly 21 variables and 405 observations the main variable is Auction price. The Auction price is deciding the franchise based on player previous performance.

**Import Data:**

Open PowerBi Desktop Click on Get data option choose Text/CSV, Browse the data from our system and select click on open button. After open data click on Transform Data we check duplicate and null values in each variable/column after completion null values and duplicate values removing click on close and apply option. Now our data is ready to visualization.

**Visualisation:**

**Card:** It is a visualization type that display single value or a single metric. It is used focused view of a specific measure or data point.

In our project card used in display sum of reserve price, sum of auction price and number of player’s participant in auction.

**Slicer:** It is a visualization feature that allows users to filter data within a report or dashboard.

In our project slicer used in filter each team with unsold data respect.

**Column Chart:** It is a type of visualization that is used to display data in vertical columns. It is commonly used to compare values across different categories.

In our project column chart is used in compare the top 5 auction price/sold price players out of 405 players.

**Clustered bar Chart:** It is a type of visualization that is used to display data in horizontal bar. It is commonly used to compare values across different categories.

In our project column chart is used in compare the top 4 reserve price/Base price players out of 405 players.

**Pie Chart:** It is a type of visualization that represents data in a circular graph, divided into slices based on classes/levels. The slices size is based on size of classes. Pie chart the values shows in both count and percentile maximum we used checking percentile.

In our project pie chart is used find the percentile of batting style like LHB (left hand batsman) and RHB (right hand batsman).

**Donut Chart:** It is a type of visualization that represents data in a circular graph with hole in the center. It is similar to a pie chart but with the center removed, resulting in a ring shape. This is same as pie chart.

In our project the donut we used find the sum of reserve price each capped, uncapped, associate players in percentile.

**Area Chart:** It is a type of visualization that displays data as a series of points connected by a line and filled with colour to create an area below the line.

In our project the area chart used display the both average auction price and average reserve price by team with unsold.

**Line Chart:** It is a type of visualization the data points connected by line segments. It is used to trends, patterns and changes in the data over time.

In our project the line chart used trends the top 10 players auction price and reserve price by reserve price.

**Line and clustered Chart:** It is a type of visualization combined line and column chart. This same as both column and line chart.

In our project the line and clustered used trends the average reserve price and compare the average auction price in bowling style.

**Map:** It is a type of visualization area wise data points.

In our project map is used find the average auction country wise. The big bubble shows high average price, small bubble shows low average price.

**Conclusion:**

In this project we find the how many players participant, sum of auction price and sum of reserve price, who got high auction price and who got low auction price, who have high reserve price and low reserve price, which team spent more money and which team spend low money in auction, country wise average auction price...etc.

**Thank you**