**IPL ANALYSIS**

1) First we upload our excel data into postre sql.

2) In postgre, we create a database and make 2 tables.

3) Then we populate those tables by inserting the values from the excel sheet using below query:

COPY table name FROM 'Path of the excel file' DELIMITER ', ' CSV HEADER;

4) Afterwards we connect postgre server to power bi

5) Then we'll do some cleaning. There were similar names but stored differently so i cleaned them

6) create a new table called calendar table

7) Calendar Table= CALENDAR (MIN('ipl\_Matches'[match\_date]), MAX('ipl\_matches'[match\_date]) )

This will create a columns named Date regarding the date in the ipl.

8) we'll create another column named year using below query

Year= YEAR ('Calendar Table'[Date])

**I] Making New measures for the analysis**

1) Find The average of the bowler:-

- Average by bowler= DIVIDE(SUM (FILTER( ipl\_ball\_by\_ball\_2008\_2022(Table Name), ipl\_ball\_2008\_2022[extra\_type]<> “legbyes” && ipl\_ball\_by\_ball\_2008\_2022[extra\_type] <>”byes”), ipl\_ball\_by\_ball\_2008\_2022[total\_runs]), SUM(ipl\_ball\_by\_ball\_2008\_2022[ is wicket\_delivery]).

* Formula to Find average of the bowler:

Bowling average= Total Runs conceded

Number Of wicket Taken

II] Finding Bowling Strike Rule:-

* Bowling Strike Rule= COUNT(ipl\_ball\_by\_ball\_2008\_2022[Bowler]/SUM9ipl\_ball\_by\_ball\_2008\_2022[is wicket\_delivery])
* Formula :

Strike Rate = Balls Bowled

Wickets Taken

III] Finding The Economy Of the Bowler :

* Economy =DIVIDE(SUM x(FILTER( ipl\_ball\_by\_ball\_2008\_2022(Table Name), ipl\_ball\_2008\_2022[extra\_type]<> “legbyes” && table name[Extra Type]<>”legbyes”), Table name[total\_runs]),(COUNT(table name[overs]))/6
* Formula:

Economy= Number of Runs Conceded

Number Of Overs Bowled

IV] Finding The Strike rate Of Batsman:

* Strike rate of Batsman =(SUM ( ipl\_ball\_by\_ball\_2008\_2022[Batsman\_runs](COUNT(table name[ball\_number])) x100.
* Formula:

Strike Rate= Runs Scored x100

Balls Faced

V] Matches Won By Toss decisions:

* Matches = CALCULATE(COUNT ROWS(ipl\_matches\_2008\_2022), Table name[Toss winner]= Table Name [WinningTeam])

VI] Title Winner= Var Max\_date =CALCULATE(MAX(Calendar Table [Date], ALLSELECTED (ipl\_matches\_2008\_2022), (ipl\_matches\_2008\_2022), VALUES(table name))

-Var title\_winner=CALCULATE(SELECTEDVALUE(table name[Winning team], Calendar Table[Date]=max\_date) return title\_winner.