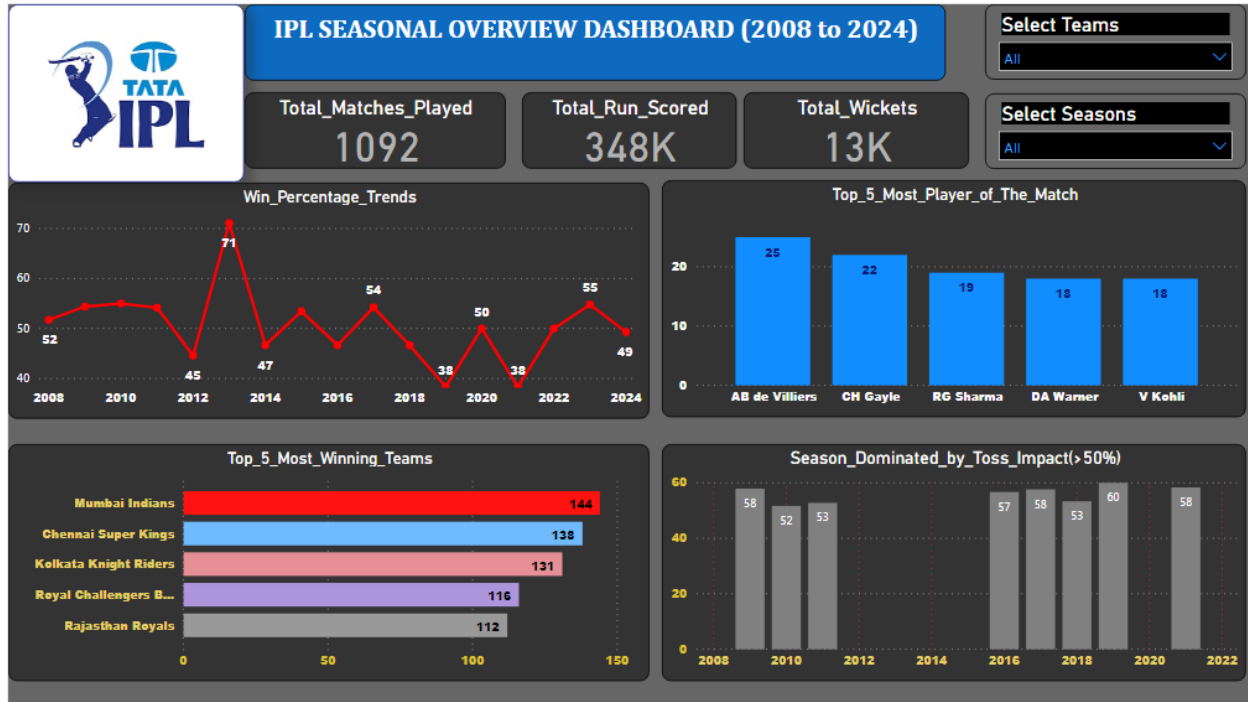


IPL Power BI Dashboard (2008-2024)

Dashboard-01:



DAX FORMULA(Measures):-

```
***Total_Matches = DISTINCTCOUNT(Match_Teams[MatchID])
```

```
***Total_Run_Scored = SUM(deliveries[total_runs])
```

```
***Total_Wickets = COUNTROWS(FILTER(deliveries,deliveries[is_wicket]=1))
```

```
***Win_Percentage = DIVIDE(  
    COUNTROWS(FILTER(matches,matches[winner]=matches[team1])),  
    COUNTROWS(matches)  
) * 100
```

```
***Total_Awards = COUNTROWS(FILTER(matches,NOT(ISBLANK(matches[player_of_match]))))
```

```
***Total_Wins =
```

```
VAR Selectedteam=
```

```
SELECTEDVALUE(Team_Names[Teams])
```

```
RETURN
```

```
IF(  
    ISBLANK(Selectedteam),  
    COUNTROWS(matches),  
    CALCULATE(  
        COUNTROWS(matches),  
        matches[winner]=Selectedteam
```

```

)
)
***Toss_Impact_Percentage = DIVIDE(

    [Toss_Impact_Matches],
    COUNTROWS(matches)
)*100

```

Dashboard-02:



DAX FORMULA(Measures):-

```

*** Total_Wins =

VAR Selectedteam=
SELECTEDVALUE(Team_Names[Teams])
RETURN
IF(
    ISBLANK(Selectedteam),
    COUNTROWS(matches),
    CALCULATE(
        COUNTROWS(matches),
        matches[winner]=Selectedteam
    )
)

*** Total_Losses = [Total_Matches]-[Total_Wins]

```

```

*** IPL_Titles =

VAR FinalMatches=
CALCULATE(
    COUNTROWS(matches),
    FILTER(matches,matches[match_type]="Final" && matches[winner]=Team_Names[Teams])
)
RETURN
IF(ISBLANK(FinalMatches),0,FinalMatches)

```

```

*** State_Group =

SWITCH(
    TRUE(),
    Team_Names[Teams]="Chennai Super Kings","Chennai",
    Team_Names[Teams]="Kolkata Knight Riders","Kolkata",
    Team_Names[Teams]="Delhi Daredevils","Delhi",
    Team_Names[Teams]="Royal Challengers Bangalore","Bengaluru",
    Team_Names[Teams]="Rajasthan Royals","Rajasthan",
    Team_Names[Teams]="Kings XI Punjab","Punjab",
    Team_Names[Teams]="Deccan Chargers","Hyderabad",
    Team_Names[Teams]="Delhi Capitals","Delhi",
    Team_Names[Teams]="Gujarat Lions","Gujarat",
    Team_Names[Teams]="Gujarat Titans","Gujarat",
    Team_Names[Teams]="Kochi Tuskers Kerala","Kerala",
    Team_Names[Teams]="Lucknow Super Giants","Lucknow",
    Team_Names[Teams]="Mumbai Indians","Mumbai",
    Team_Names[Teams]="Pune Warriors","Pune",
    Team_Names[Teams]="NA","Unknown",
    Team_Names[Teams]="Punjab Kings","Punjab",
    Team_Names[Teams]="Pune Warriors","Pune",
    Team_Names[Teams]="Rising Pune Supergiant","Pune",
    Team_Names[Teams]="Rising Pune Supergiants","Pune",
    Team_Names[Teams]="Royal Challengers Bengaluru","Bengaluru",
    Team_Names[Teams]="Sunrisers Hyderabad","Hyderabad",
    "Unknown"
)

```

```

*** Net_Run_Rate_By_State =

VAR RunsFor =
    CALCULATE(
        SUM(deliveries[total_runs]),
        TREATAS(VALUES(Team_Names[Teams]), deliveries[batting_team])
    )
VAR OversFor =
    CALCULATE(

```

```

        DISTINCTCOUNT(deliveries[over]),
        TREATAS(VALUES(Team_Names[Teams]), deliveries[batting_team])
    )
VAR RunsAgainst =
    CALCULATE(
        SUM(deliveries[total_runs]),
        TREATAS(VALUES(Team_Names[Teams]), deliveries[bowling_team])
    )
VAR OversAgainst =
    CALCULATE(
        DISTINCTCOUNT(deliveries[over]),
        TREATAS(VALUES(Team_Names[Teams]), deliveries[bowling_team])
    )
RETURN
DIVIDE(RunsFor, OversFor, 0) - DIVIDE(RunsAgainst, OversAgainst, 0)

```

```

***toss_impact = IF(matches[toss_winner]= matches[winner], "Toss Winner Won", "Toss Winner
Lost")

```

```

*** match_outcome = IF(
    matches[super_over]="Y",
    "super over",
    IF(matches[result_margin]<10,"close win","decisive win"))

```

```

*** Avg_Run_scored/Match =

VAR TotalRuns =
SUM(deliveries[total_runs])
VAR TotalMatches =
CALCULATE(
    DISTINCTCOUNT(deliveries[match_id])
)
RETURN
DIVIDE(TotalRuns, TotalMatches)

```

```

*** Avg_Runs_Conceded/Match =

VAR SelectedTeam =
MAX(Team_Names[Teams])
VAR MatchesPlayed =
CALCULATETABLE(
    DISTINCT(deliveries[match_id]),
    deliveries[bowling_team]=SelectedTeam
)

```

```

)
VAR MatchCount =
COUNTROWS(MatchesPlayed)
VAR RunConceded =
CALCULATE(
    SUM(deliveries[total_runs]),
    deliveries, deliveries[bowling_team]=SelectedTeam
)
RETURN
IF(MatchCount >0, DIVIDE(RunConceded,MatchCount), BLANK())

*** Batchmen_Runs = SUM(deliveries[batsman_runs])

*** Extra_Run = [Total_Run_Scored]-[Batchmen_Runs]

*** Bowling_Wickets = CALCULATE(
    COUNT(deliveries[dismissal_kind]),
    deliveries[dismissal_kind] IN
    {"bowled", "caught", "caught and bowled", "hit wicket", "lbw", "obstructing the field",
    "retired out", "retired hurt",
    "run out", "stumped"}
)

```

Dashboard-03:



DAX FORMULA(Measures):-

*** StrikeRateLeader =

```
VAR TopPlayer =
TOPN(
    1,
    SUMMARIZE(
        deliveries,
        deliveries[batter],
        "@StrikeRate",
        DIVIDE(
            SUM(deliveries[batsman_runs]),
            COUNT(deliveries[ball])
        )*100
    ),
    [@StrikeRate],DESC
)
RETURN
CONCATENATEX(
    TopPlayer,
    deliveries[batter],
    ",")
```

*** TopBoundaryBatsman =

```
VAR TopPlayer =
TOPN(
    1,
    SUMMARIZE(
        deliveries,
        deliveries[batter],
        "@BoundaryCount",
        SUMX(
            deliveries,
            IF(deliveries[batsman_runs]=4||deliveries[batsman_runs]=6,1,0)
        )
    ),
    [@BoundaryCount],
    DESC
)
RETURN
CONCATENATEX(
    TopPlayer,
    deliveries[batter],
    ",")
```

```

*** TopBowler =

VAR TopPlayer=
TOPN(
    1,
    SUMMARIZE(
        deliveries,
        deliveries[bowler],
        "@wicketCount",
        COUNTROWS(
            FILTER(deliveries,deliveries[is_wicket]=1&& NOT(ISBLANK(deliveries[bowler])))
        )
    ),
    [@wicketCount],
    DESC
)
RETURN
CONCATENATEX(
    TopPlayer,
    deliveries[bowler],
    ","
)

*** PlayerOfMatch = COUNT(matches[player_of_match])

*** DismissalCount = COUNT(deliveries[player_dismissed])

*** PowerPlayRuns =

SUMX(
    FILTER(deliveries,deliveries[over]<=6),
    deliveries[batsman_runs])
*** MidleOverRuns = SUMX(

    FILTER(deliveries,deliveries[over]>6 && deliveries[over]<=15),
    deliveries[batsman_runs]
)
*** DeathOverRuns = SUMX(

    FILTER(deliveries,deliveries[over]>15),
    deliveries[batsman_runs])

*** TotalExtras = SUMX(

    FILTER(
        deliveries,

```

```

        NOT(ISBLANK(deliveries[bowler]))
    ),
    deliveries[extra_runs]
)

*** ImpactRuns = DIVIDE(

    SUMX(
    FILTER(
        deliveries,
        LOOKUPVALUE(matches[winner],matches[id],deliveries[match_id])=deliveries[batting_team]
    ),
        deliveries[batsman_runs]
    ),
    COUNT(matches[id])
)

```

DAX FORMULA that CREATE TABLES & COLUMN:-

*****Team Names:**

```

*** Team_Names = DATATABLE("Teams",STRING,

{
    {"Chennai Super Kings"},
    {"Deccan Chargers"},
    {"Delhi Capitals"},
    {"Delhi Daredevils"},
    {"Gujarat Lions"},
    {"Gujarat Titans"},
    {"Kings XI Punjab"},
    {"Kochi Tuskers Kerala"},
    {"Kolkata Knight Riders"},
    {"Lucknow Super Giants"},
    {"Mumbai Indians"},
    {"Pune Warriors"},
    {"Punjab Kings"},
    {"Rajasthan Royals"},
    {"Rising Pune Supergiants"},
    {"Rising Pune Supergiant"},
    {"Royal Challengers Bangalore"},
    {"Royal Challengers Bengaluru"},
    {"Sunrisers Hyderabad"},
    {"NA"}
}
)

```



```
***State_Group =
```

```
SWITCH(  
    TRUE(),  
    Team_Names[Teams]="Chennai Super Kings","Chennai",  
    Team_Names[Teams]="Kolkata Knight Riders","Kolkata",  
    Team_Names[Teams]="Delhi Daredevils","Delhi",  
    Team_Names[Teams]="Royal Challengers Bangalore","Bengaluru",  
    Team_Names[Teams]="Rajasthan Royals","Rajasthan",  
    Team_Names[Teams]="Kings XI Punjab","Punjab",  
    Team_Names[Teams]="Deccan Chargers","Hyderabad",  
    Team_Names[Teams]="Delhi Capitals","Delhi",  
    Team_Names[Teams]="Gujarat Lions","Gujarat",  
    Team_Names[Teams]="Gujarat Titans","Gujarat",  
    Team_Names[Teams]="Kochi Tuskers Kerala","Kerala",  
    Team_Names[Teams]="Lucknow Super Giants","Lucknow",  
    Team_Names[Teams]="Mumbai Indians","Mumbai",  
    Team_Names[Teams]="Pune Warriors","Pune",  
    Team_Names[Teams]="NA","Unknown",  
    Team_Names[Teams]="Punjab Kings","Punjab",  
    Team_Names[Teams]="Pune Warriors","Pune",  
    Team_Names[Teams]="Rising Pune Supergiant","Pune",  
    Team_Names[Teams]="Rising Pune Supergiants","Pune",  
    Team_Names[Teams]="Royal Challengers Bengaluru","Bengaluru",  
    Team_Names[Teams]="Sunrisers Hyderabad","Hyderabad",  
    "Unknown"
```

```
)
```

```
***IPL_Titles =
```

```
VAR FinalMatches=
```

```
CALCULATE(  
    COUNTROWS(matches),  
    FILTER(matches,matches[match_type]="Final" && matches[winner]=Team_Names[Teams])  
)
```

```
RETURN
```

```
IF(ISBLANK(FinalMatches),0,FinalMatches)
```

***Match Teams:

```
***Match_Teams =
```

```
SELECTCOLUMNS(  
    UNION(  
        SELECTCOLUMNS(matches, "match_id", matches[id], "season",matches[season], "Team",  
matches[team1]),  
        SELECTCOLUMNS(matches, "match_id", matches[id], "season",matches[season], "Team",  
matches[team2])  
    ),  
    "MatchID", [match_id],
```

```
"Season",[season],  
"Team",[Team]  
)
```

