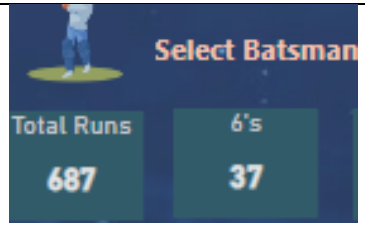
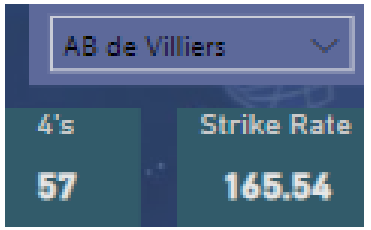
TEST DOCUMENT

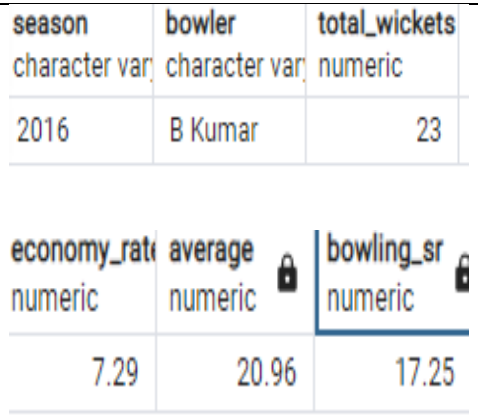
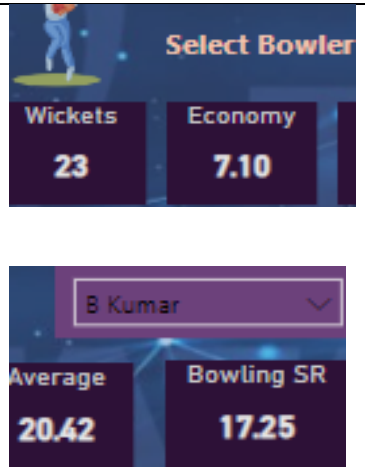
Name	Portfolio Project
Report Name	IPL Analytics Dashboard
Developer Name	Md. Touhiduzzaman
Development Tool	**Power BI**

SL	Name	Query	SQL Result	Power BI Report	Result
1	KPI- Title Winner (2022)	SELECT SEASON, WINNING_TEAM FROM IPL_MATCHES_2008_2022 WHERE MATCH_NUMBER = 'Final' AND SEASON = '2022';	season character var winning_team character varying 2022 Gujarat Titans		**Exact Match**
2	KPI- Orange Cap Holder (2016)	SELECT SEASON, BATTER, SUM(BATSMAN_RUN) AS TOTAL_RUNS FROM IPL_MATCHES_2008_2022 AS M JOIN IPL_BALL_BY_BALL_2008_2022 AS B ON M.ID = B.ID WHERE SEASON = '2022' GROUP BY SEASON, BATTER ORDER BY TOTAL_RUNS DESC LIMIT 1;	season character var batter character var total_runs numeric 2022 JC Buttler 863		**Exact Match**

3	KPI-Purple Cap Holder (2016)	SELECT SEASON, BOWLER, SUM(ISWICKET_DELIVERY) AS TOTAL_WICKETS FROM IPL_MATCHES_2008_2022 AS M JOIN IPL_BALL_BY_BALL_2008_2022 AS B ON B.ID = M.ID WHERE SEASON = '2022' AND (DISMISAL_KIND IN ('bowled', 'caught', 'caught and bowled', 'hit wicket', 'lbw', 'stumped')) GROUP BY SEASON, BOWLER ORDER BY TOTAL_WICKETS DESC LIMIT 1	season character var / bowler character var / total_wickets numeric 2022 | YS Chahal | 27		**Exact Match**
4	KPI-Tourna-ment Sixes (2022)	SELECT SEASON, COUNT(BATSMAN_RUN) AS TOTAL_SIXES FROM IPL_MATCHES_2008_2022 AS M JOIN IPL_BALL_BY_BALL_2008_2022 AS B ON B.ID = M.ID WHERE SEASON = '2022' AND BATSMAN_RUN = 6 AND NON_BOUNDRY = 0 GROUP BY SEASON;	season character var / total_sixes bigint 2022 | 1062		**Exact Match**

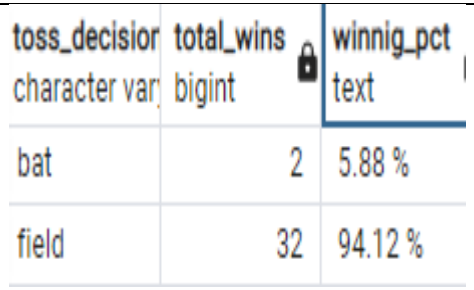
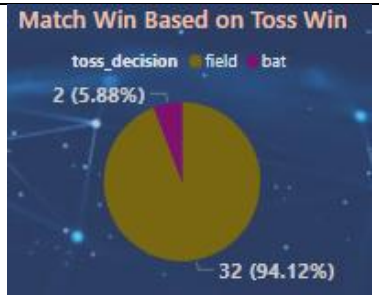
5	KPI-Tourna-ment Fours (2022)	SELECT SEASON, COUNT(BATSMAN_RUN) AS TOTAL_FOURS FROM IPL_MATCHES_2008_2022 AS M JOIN IPL_BALL_BY_BALL_2008_2022 AS B ON B.ID = M.ID WHERE SEASON = '2022' AND BATSMAN_RUN = 4 AND NON_BOUNDRY = 0 GROUP BY SEASON;	season character var / total_fours bigint 2022 — 2017		**Exact Match**
6	Batting Stats Find AB Rans, Sixes, Fours, SR From 2016	SELECT SEASON, B.BATTER, SUM(BATSMAN_RUN) AS TOTAL_RUNS, X.TOTAL_SIXES, Y.TOTAL_FOURS, Z.STRIKE_RATE FROM IPL_MATCHES_2008_2022 AS M JOIN IPL_BALL_BY_BALL_2008_2022 AS B ON B.ID = M.ID JOIN (SELECT BATTER, COUNT(BATSMAN_RUN) TOTAL_SIXES FROM IPL_BALL_BY_BALL_2008_2022 AS B JOIN IPL_MATCHES_2008_2022 AS M ON M.ID = B.ID WHERE SEASON = '2016' AND BATSMAN_RUN = 6 AND NON_BOUNDRY = 0	season character var / batter character varyin / total_runs numeric 2016 — AB de Villiers — 687 total_sixes bigint / total_fours bigint / strike_rate numeric (10,2 37 — 57 — 165.54	 	**Exact Match**

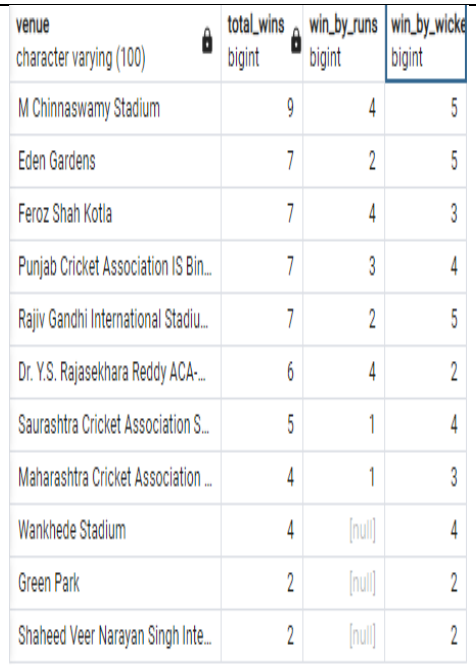
		GROUP BY BATTER) AS X ON X.BATTER = B.BATTER JOIN (SELECT BATTER, COUNT(BATSMAN_RUN) TOTAL_FOURS FROM IPL_BALL_BY_BALL_2008_2022 AS B JOIN IPL_MATCHES_2008_2022 AS M ON M.ID = B.ID WHERE SEASON = '2016' AND BATSMAN_RUN = 4 AND NON_BOUNDRY = 0 GROUP BY BATTER) AS Y ON Y.BATTER = B.BATTER JOIN (SELECT BATTER, ((SUM(BATSMAN_RUN)/COUNT(BALL_NUMBER))*100)::NUMERIC(10, 2) STRIKE_RATE FROM IPL_BALL_BY_BALL_2008_2022 AS B JOIN IPL_MATCHES_2008_2022 AS M ON M.ID = B.ID WHERE SEASON = '2016' GROUP BY BATTER) AS Z ON Z.BATTER = B.BATTER			

		WHERE SEASON = '2016' AND B.BATTER LIKE '%AB%' GROUP BY B.BATTER, SEASON, X.TOTAL_SIXES, Y.TOTAL_FOURS, Z.STRIKE_RATE ORDER BY TOTAL_RUNS DESC LIMIT 1			
7	Bowling Stats Find B Kumar Wicket, Economy, Average, Bowling SR in (2016)	SELECT M.SEASON, B.BOWLER, SUM(ISWICKET_DELIVERY) AS TOTAL_WICKETS, Y.ECONOMY_RATE, Z.AVERAGE, A.BOWLING_SR FROM IPL_BALL_BY_BALL_2008_2022 AS B JOIN IPL_MATCHES_2008_2022 AS M ON M.ID = B.ID JOIN (SELECT BOWLER, SUM(ISWICKET_DELIVERY) AS TOTAL_WICKETS FROM IPL_BALL_BY_BALL_2008_2022 AS B JOIN IPL_MATCHES_2008_2022 AS M ON B.ID = M.ID			**95% Match**

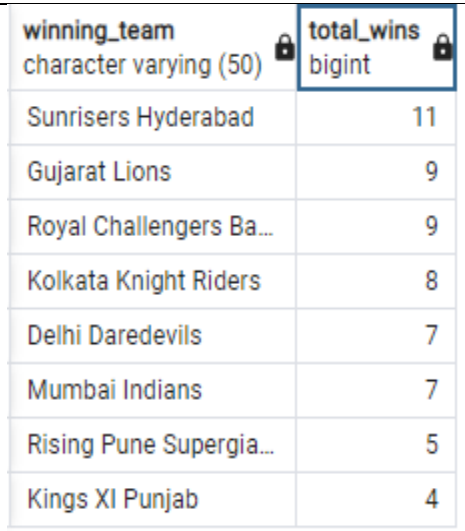
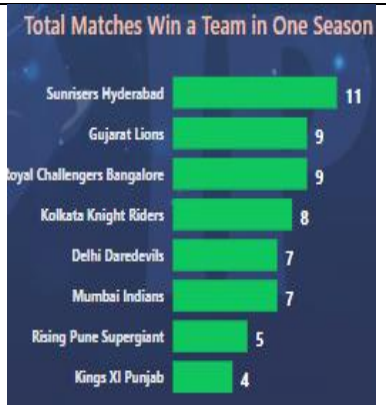
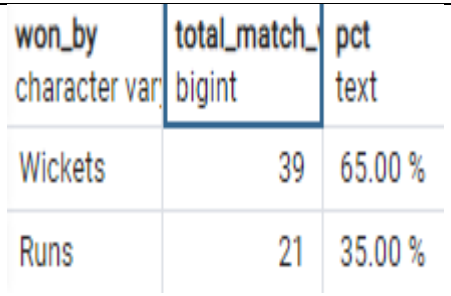
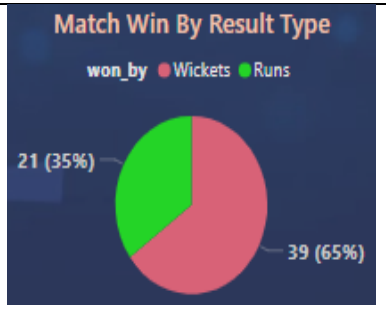
		WHERE SEASON = '2016' AND DISMISAL_KIND IN ('bowled', 'caught', 'caught and bowled', 'hit wicket', 'lbw', 'stumped') GROUP BY BOWLER ORDER BY TOTAL_WICKETS DESC) AS X ON X.BOWLER = B.BOWLER JOIN (SELECT BOWLER, ROUND(SUM(TOTAL_RUN)/(COUNT(OVERS)/6), 2) AS ECONOMY_RATE FROM IPL_BALL_BY_BALL_2008_2022 AS B JOIN IPL_MATCHES_2008_2022 AS M ON M.ID = B.ID WHERE SEASON = '2016' GROUP BY BOWLER) AS Y ON Y.BOWLER = B.BOWLER JOIN (SELECT BOWLER, ROUND(SUM(TOTAL_RUN)/SUM(ISWICKET_DELIVERY), 2) AS AVERAGE FROM IPL_BALL_BY_BALL_2008_2022 AS B			

		JOIN IPL_MATCHES_2008_2022 AS M ON M.ID = B.ID WHERE SEASON = '2016' GROUP BY BOWLER HAVING SUM(ISWICKET_DELIVERY) > 0) AS Z ON Z.BOWLER = B.BOWLER JOIN (SELECT BOWLER, ROUND(COUNT(BOWLER)/SUM(ISWICKET_DELIVERY), 2) AS BOWLING_SR FROM IPL_BALL_BY_BALL_2008_2022 AS B JOIN IPL_MATCHES_2008_2022 AS M ON M.ID = B.ID WHERE SEASON = '2016' GROUP BY BOWLER HAVING SUM(ISWICKET_DELIVERY) > 0) AS A ON A.BOWLER = B.BOWLER WHERE SEASON = '2016'AND DISMISAL_KIND IN ('bowled', 'caught', 'caught and bowled', 'hit wicket', 'lbw', 'stumped') GROUP BY M.SEASON, B.BOWLER, A.BOWLING_SR, Y.ECONOMY_RATE, Z.AVERAGE			

		ORDER BY TOTAL_WICKETS DESC LIMIT 1;			
8	Match Win Based on Toss Win in (2016)	SELECT TOSS_DECISION, COUNT(*) AS TOTAL_WINS, ROUND((CAST(COUNT(*) AS NUMERIC)/(SELECT COUNT(*) FROM IPL_MATCHES_2008_2022 WHERE SEASON = '2016' AND WINNING_TEAM = TOSS_WINNER))*100, 2) || '%' AS WINNIG_PCT FROM IPL_MATCHES_2008_2022 WHERE SEASON = '2016' AND WINNING_TEAM = TOSS_WINNER GROUP BY TOSS_DECISION	 toss_decision character var total_wins bigint winnig_pct text bat 2 5.88 % field 32 94.12 %		**Exact Match**

9	Match Win By Venue In (2016)	SELECT * FROM IPL_MATCHES_2008_2022; SELECT M.VENUE, COUNT(*) AS TOTAL_WINS, X.WIN_BY_RUNS, Y.WIN_BY_WICKETS FROM IPL_MATCHES_2008_2022 AS M LEFT JOIN (SELECT VENUE, COUNT(*) AS WIN_BY_RUNS FROM IPL_MATCHES_2008_2022 WHERE SEASON = '2016' AND WON_BY = 'Runs' GROUP BY VENUE) AS X ON X.VENUE = M.VENUE LEFT JOIN (SELECT VENUE, COUNT(*) AS WIN_BY_WICKETS FROM IPL_MATCHES_2008_2022 WHERE SEASON = '2016' AND WON_BY = 'Wickets' GROUP BY VENUE) AS Y ON Y.VENUE = M.VENUE WHERE SEASON = '2016' GROUP BY M.VENUE, X.WIN_BY_RUNS, Y.WIN_BY_WICKETS			**Exact Match**

venue character varying (100)	total_wins bigint	win_by_runs bigint	win_by_wicke bigint
M Chinnaswamy Stadium	9	4	5
Eden Gardens	7	2	5
Feroz Shah Kotla	7	4	3
Punjab Cricket Association IS Bin...	7	3	4
Rajiv Gandhi International Stadiu...	7	2	5
Dr. Y.S. Rajasekhara Reddy ACA-...	6	4	2
Saurashtra Cricket Association S...	5	1	4
Maharashtra Cricket Association ...	4	1	3
Wankhede Stadium	4	[null]	4
Green Park	2	[null]	2
Shaheed Veer Narayan Singh Inte...	2	[null]	2

		ORDER BY TOTAL_WINS DESC, VENUE;;			
10	Total Matches Win A Team in one Season (2016)	SELECT WINNING_TEAM, COUNT(*) TOTAL_WINS FROM IPL_MATCHES_2008_2022 WHERE SEASON = '2016' GROUP BY WINNING_TEAM ORDER BY TOTAL_WINS DESC;			**Exact Match**
11	Match Win By Result Type	SELECT WON_BY, COUNT(*) AS TOTAL_MATCH_WIN, ROUND((CAST(COUNT(*) AS NUMERIC)/(SELECT COUNT(*) FROM IPL_MATCHES_2008_2022			**Exact Match**

		WHERE SEASON = '2016'))*100, 2) || ' %' AS PCT FROM IPL_MATCHES_2008_2022 WHERE SEASON = '2016' GROUP BY WON_BY			

Test Result:

Total Tests	11
Pass	11
Fail	00
Blocked	00
Not Executed	00