




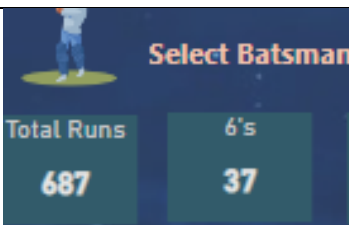
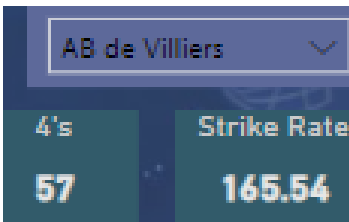


TEST DOCUMENT

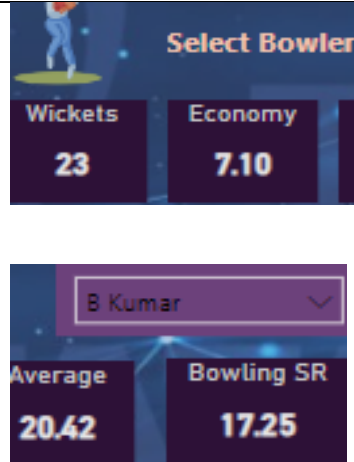
Name	Portfolio Project
Report Name	IPL Analytics Dashboard
Developer Name	Md. Touhiduzzaman
Development Tool	Power BI

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			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		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	<table><tr><th>season</th><th>bowler</th><th>total_wickets</th></tr><tr><td>character var</td><td>character var</td><td>numeric</td></tr><tr><td>2022</td><td>YS Chahal</td><td>27</td></tr></table>	season	bowler	total_wickets	character var	character var	numeric	2022	YS Chahal	27		Exact Match
season	bowler	total_wickets												
character var	character var	numeric												
2022	YS Chahal	27												
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_BOUNDARY = 0 GROUP BY SEASON;	<table><tr><th>season</th><th>total_sixes</th></tr><tr><td>character var</td><td>bigint</td></tr><tr><td>2022</td><td>1062</td></tr></table>	season	total_sixes	character var	bigint	2022	1062		Exact Match			
season	total_sixes													
character var	bigint													
2022	1062													

5	KPI- Tournament 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;	<table><tr><th>season</th><th>total_fours</th></tr><tr><td>character var</td><td>bigint</td></tr><tr><td>2022</td><td>2017</td></tr></table>	season	total_fours	character var	bigint	2022	2017		Exact Match												
season	total_fours																						
character var	bigint																						
2022	2017																						
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	<table><tr><th>season</th><th>batter</th><th>total_runs</th></tr><tr><td>character var</td><td>character varyin</td><td>numeric</td></tr><tr><td>2016</td><td>AB de Villiers</td><td>687</td></tr></table> <table><tr><th>total_sixes</th><th>total_fours</th><th>strike_rate</th></tr><tr><td>bigint</td><td>bigint</td><td>numeric (10,2)</td></tr><tr><td>37</td><td>57</td><td>165.54</td></tr></table>	season	batter	total_runs	character var	character varyin	numeric	2016	AB de Villiers	687	total_sixes	total_fours	strike_rate	bigint	bigint	numeric (10,2)	37	57	165.54	 	Exact Match
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		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_BOUNDARY = 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			
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		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	<table><tr><td>season</td><td>bowler</td><td>total_wickets</td></tr><tr><td>character var</td><td>character var</td><td>numeric</td></tr><tr><td>2016</td><td>B Kumar</td><td>23</td></tr></table> <table><tr><td>economy_rate</td><td>average</td><td>bowling_sr</td></tr><tr><td>numeric</td><td>numeric</td><td>numeric</td></tr><tr><td>7.29</td><td>20.96</td><td>17.25</td></tr></table>	season	bowler	total_wickets	character var	character var	numeric	2016	B Kumar	23	economy_rate	average	bowling_sr	numeric	numeric	numeric	7.29	20.96	17.25		95% Match
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		<p>WHERE SEASON = '2016' AND DISMISAL_KIND IN ('bowled', 'caught', 'caught and bowled', 'hit wicket', 'lbw', 'stumped')</p> <p>GROUP BY BOWLER</p> <p>ORDER BY TOTAL_WICKETS DESC) AS X</p> <p>ON X.BOWLER = B.BOWLER</p> <p>JOIN (SELECT BOWLER, ROUND(SUM(TOTAL_RUN)/(COUNT(OVERS)/6), 2) AS ECONOMY_RATE</p> <p>FROM IPL_BALL_BY_BALL_2008_2022</p> <p>AS B</p> <p>JOIN IPL_MATCHES_2008_2022 AS M</p> <p>ON M.ID = B.ID</p> <p>WHERE SEASON = '2016'</p> <p>GROUP BY BOWLER) AS Y ON</p> <p>Y.BOWLER = B.BOWLER</p> <p>JOIN (SELECT BOWLER, ROUND(SUM(TOTAL_RUN)/SUM(ISWICKET_DEL IVERY), 2) AS AVERAGE</p> <p>FROM IPL_BALL_BY_BALL_2008_2022</p> <p>AS B</p>			
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		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_DELI VERY), 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			
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		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	<table><thead><tr><th>toss_decision</th><th>total_wins</th><th>winnig_pct</th></tr><tr><th>character var</th><th>bigint</th><th>text</th></tr></thead><tbody><tr><td>bat</td><td>2</td><td>5.88 %</td></tr><tr><td>field</td><td>32</td><td>94.12 %</td></tr></tbody></table>	toss_decision	total_wins	winnig_pct	character var	bigint	text	bat	2	5.88 %	field	32	94.12 %	<p>Match Win Based on Toss Win</p> <p>toss_decision field bat</p> <p>2 (5.88%)</p> <p>32 (94.12%)</p>	Exact Match
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9	Match Win By Venue In (2016)	<pre>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</pre>	<table><thead><tr><th>venue character varying (100)</th><th>total_wins bigint</th><th>win_by_runs bigint</th><th>win_by_wicke bigint</th></tr></thead><tbody><tr><td>M Chinnaswamy Stadium</td><td>9</td><td>4</td><td>5</td></tr><tr><td>Eden Gardens</td><td>7</td><td>2</td><td>5</td></tr><tr><td>Feroz Shah Kotla</td><td>7</td><td>4</td><td>3</td></tr><tr><td>Punjab Cricket Association IS Bin...</td><td>7</td><td>3</td><td>4</td></tr><tr><td>Rajiv Gandhi International Stadiu...</td><td>7</td><td>2</td><td>5</td></tr><tr><td>Dr. Y.S. Rajasekhara Reddy ACA-</td><td>6</td><td>4</td><td>2</td></tr><tr><td>Saurashtra Cricket Association S...</td><td>5</td><td>1</td><td>4</td></tr><tr><td>Maharashtra Cricket Association ...</td><td>4</td><td>1</td><td>3</td></tr><tr><td>Wankhede Stadium</td><td>4</td><td>[null]</td><td>4</td></tr><tr><td>Green Park</td><td>2</td><td>[null]</td><td>2</td></tr><tr><td>Shaheed Veer Narayan Singh Inte...</td><td>2</td><td>[null]</td><td>2</td></tr></tbody></table>	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	<div><h3>Matches Win by Venue</h3><p>won_by Runs Wickets</p><table><tbody><tr><td>M Chinnaswamy Stadium</td><td>4</td><td>5</td></tr><tr><td>Eden Gardens</td><td>2</td><td>5</td></tr><tr><td>Feroz Shah Kotla</td><td>4</td><td>3</td></tr><tr><td>Punjab Cricket Association IS B...</td><td>3</td><td>4</td></tr><tr><td>Rajiv Gandhi International Sta...</td><td>2</td><td>5</td></tr><tr><td>Dr. Y.S. Rajasekhara Reddy ACA...</td><td>4</td><td>2</td></tr><tr><td>Saurashtra Cricket Association ...</td><td>1</td><td>4</td></tr><tr><td>Maharashtra Cricket Associatio...</td><td>1</td><td>3</td></tr><tr><td>Wankhede Stadium</td><td>4</td><td></td></tr></tbody></table></div>	M Chinnaswamy Stadium	4	5	Eden Gardens	2	5	Feroz Shah Kotla	4	3	Punjab Cricket Association IS B...	3	4	Rajiv Gandhi International Sta...	2	5	Dr. Y.S. Rajasekhara Reddy ACA...	4	2	Saurashtra Cricket Association ...	1	4	Maharashtra Cricket Associatio...	1	3	Wankhede Stadium	4		Exact Match
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		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;	<table><thead><tr><th>winning_team character varying (50)</th><th>total_wins bigint</th></tr></thead><tbody><tr><td>Sunrisers Hyderabad</td><td>11</td></tr><tr><td>Gujarat Lions</td><td>9</td></tr><tr><td>Royal Challengers Ba...</td><td>9</td></tr><tr><td>Kolkata Knight Riders</td><td>8</td></tr><tr><td>Delhi Daredevils</td><td>7</td></tr><tr><td>Mumbai Indians</td><td>7</td></tr><tr><td>Rising Pune Supergia...</td><td>5</td></tr><tr><td>Kings XI Punjab</td><td>4</td></tr></tbody></table>	winning_team character varying (50)	total_wins bigint	Sunrisers Hyderabad	11	Gujarat Lions	9	Royal Challengers Ba...	9	Kolkata Knight Riders	8	Delhi Daredevils	7	Mumbai Indians	7	Rising Pune Supergia...	5	Kings XI Punjab	4	<table><thead><tr><th>Team</th><th>Wins</th></tr></thead><tbody><tr><td>Sunrisers Hyderabad</td><td>11</td></tr><tr><td>Gujarat Lions</td><td>9</td></tr><tr><td>Royal Challengers Bangalore</td><td>9</td></tr><tr><td>Kolkata Knight Riders</td><td>8</td></tr><tr><td>Delhi Daredevils</td><td>7</td></tr><tr><td>Mumbai Indians</td><td>7</td></tr><tr><td>Rising Pune Supergiant</td><td>5</td></tr><tr><td>Kings XI Punjab</td><td>4</td></tr></tbody></table>	Team	Wins	Sunrisers Hyderabad	11	Gujarat Lions	9	Royal Challengers Bangalore	9	Kolkata Knight Riders	8	Delhi Daredevils	7	Mumbai Indians	7	Rising Pune Supergiant	5	Kings XI Punjab	4	Exact Match
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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	<table><thead><tr><th>won_by character varying (50)</th><th>total_match_win bigint</th><th>pct text</th></tr></thead><tbody><tr><td>Wickets</td><td>39</td><td>65.00 %</td></tr><tr><td>Runs</td><td>21</td><td>35.00 %</td></tr></tbody></table>	won_by character varying (50)	total_match_win bigint	pct text	Wickets	39	65.00 %	Runs	21	35.00 %	<table><thead><tr><th>won_by</th><th>Count</th><th>Percentage</th></tr></thead><tbody><tr><td>Wickets</td><td>39</td><td>65%</td></tr><tr><td>Runs</td><td>21</td><td>35%</td></tr></tbody></table>	won_by	Count	Percentage	Wickets	39	65%	Runs	21	35%	Exact Match																		
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		WHERE SEASON = '2016'))*100, 2) ' %' AS PCT FROM IPL_MATCHES_2008_2022 WHERE SEASON = '2016' GROUP BY WON_BY			
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Test Result:

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