

Cricket analyst-IPL

From internshala trainings

By Shashidhar M,Data analyst

[Connect Via-](#)

<https://www.linkedin.com/in/shashidhartheanalyst>

<https://www.github.com/shashidhartheanalyst>

1.

- Imported the csv files as tables in SQL

2. top 20 rows of the deliveries table after ordering them by id, inning, over, ball in ascending order.

Data Output

Messages

Notifications

	id integer	inning integer	over integer	ball integer	batsman character varying (30)	non_striker character varying (30)	bowler character varying (30)
1	335982	1	0	1	SC Ganguly	BB McCullum	P Kumar
2	335982	1	0	1	SC Ganguly	BB McCullum	P Kumar
3	335982	1	0	2	BB McCullum	SC Ganguly	P Kumar
4	335982	1	0	2	BB McCullum	SC Ganguly	P Kumar
5	335982	1	0	3	BB McCullum	SC Ganguly	P Kumar
6	335982	1	0	3	BB McCullum	SC Ganguly	P Kumar

Total rows: 20 of 20

Query complete 00:00:00.253

Ln 40, Col 115

3. Select the top 20 rows of the matches table.

Data Output

Messages

Notifications

	id integer	city character varying (30)	date date	player_of_match character varying (50)	venue character varying (60)	neutral
1	335982	Bangalore	2008-04-18	BB McCullum	M Chinnaswamy Stadium	
2	335983	Chandigarh	2008-04-19	MEK Hussey	Punjab Cricket Association Stadium, Mohali	
3	335984	Delhi	2008-04-19	MF Maharooof	Feroz Shah Kotla	
4	335985	Mumbai	2008-04-20	MV Boucher	Wankhede Stadium	
5	335986	Kolkata	2008-04-20	DJ Hussey	Eden Gardens	
6	335987	Jaipur	2008-04-21	SR Watson	Sawai Mansingh Stadium	

Total rows: 20 of 20

Query complete 00:00:00.329

Ln 48, Col 3

4. Fetch data of all the matches played on 2nd May 2013 from the matches table..

- The match was between : CSK vs KXIP and Pune warriors vs RCB

Data Output

Messages

Notifications

≡ +

▼

▼

	<div>id</div> <div>integer</div> <div></div>	<div>city</div> <div>character varying (30)</div> <div></div>	<div>date</div> <div>date</div> <div></div>	<div>player_of_match</div> <div>character varying (50)</div> <div></div>	<div>venue</div> <div>character varying (60)</div> <div></div>	<div>neutral_venue</div> <div>integer</div>
1	598041	Chennai	2013-05-02	SK Raina	MA Chidambaram Stadium, Chepauk	
2	598042	Pune	2013-05-02	AB de Villiers	Subrata Roy Sahara Stadium	

Total rows: 2 of 2

Query complete 00:00:00.467

Ln 57, Col 1

5. Fetch data of all the matches where the result mode is 'runs' and margin of victory is more than 100 runs.

- The result for the query : “Fetch data of all the matches where the result mode is ‘runs’ and margin of victory is more than 100 runs.” are:

Data Output

Messages

Notifications

id

integer

city

character varying (30)

date

date

player_of_match

character varying (50)

venue

character varying (60)

1

335982

Bangalore

2008-04-18

BB McCullum

M Chinnaswamy Stadium

2

336038

Mumbai

2008-05-30

SR Watson

Wankhede Stadium

3

501260

Dharamsala

2011-05-17

AC Gilchrist

Himachal Pradesh Cricket A

4

598027

Bangalore

2013-04-23

CH Gayle

M Chinnaswamy Stadium

5

829785

Bangalore

2015-05-06

CH Gayle

M Chinnaswamy Stadium

6

980987

Bangalore

2016-05-14

AB de Villiers

M Chinnaswamy Stadium

Total rows: 9 of 9

Query complete 00:00:00.117

Ln 62, Col 109

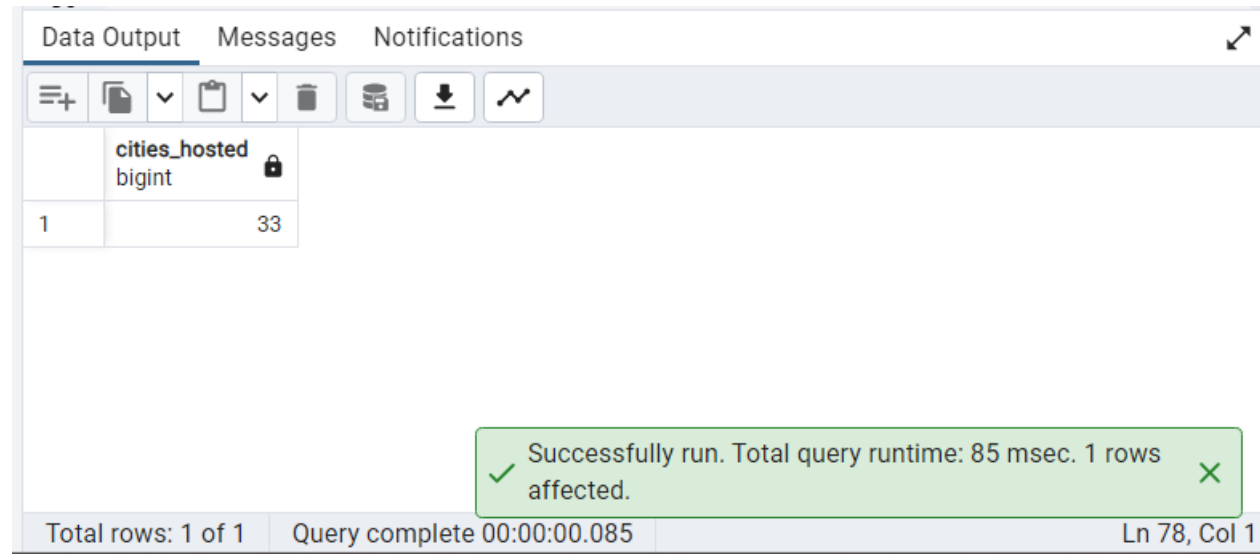
6. Fetch data of all the matches where the final scores of both teams tied and order it in descending order of the date.*/*

- the matches where the final scores of both teams tied and order it in descending order of the date are:

Data Output Messages Notifications					
	g (50)	toss_decision character varying (20)	winner character varying (50)	result character varying (30)	result_man integer
1		bat	Kings XI Punjab	tie	
2	abad	field	Kolkata Knight Riders	tie	
3		field	Royal Challengers Bangalore	tie	
4		field	Delhi Capitals	tie	
5		bat	Mumbai Indians	tie	
6		field	Delhi Capitals	tie	
Total rows: 13 of 13		Query complete 00:00:00.128		Ln 70, Col 1	

7. Get the count of cities that have hosted an IPL match.

- the count of cities that have hosted an IPL match are:
- 33



The screenshot shows a database query result interface. At the top, there are tabs for 'Data Output', 'Messages', and 'Notifications'. Below these is a toolbar with icons for various actions. The main area displays a table with one row. The first column is labeled '1' and the second column is labeled '33'. A green notification box at the bottom right states 'Successfully run. Total query runtime: 85 msec. 1 rows affected.' The status bar at the bottom indicates 'Total rows: 1 of 1', 'Query complete 00:00:00.085', and 'Ln 78, Col 1'.

	cities_hosted bigint
1	33

Successfully run. Total query runtime: 85 msec. 1 rows affected.

Total rows: 1 of 1 Query complete 00:00:00.085 Ln 78, Col 1

8.query to fetch the total number of boundaries and dot balls from the deliveries_v02 table.

- the total number of boundaries : 62936
- The total number of dots : 135682

Data Output		Messages	Notifications
total_boundaries bigint			
1	62936		

Successfully run. Total query runtime: 360 msec. 1 rows affected.

Total rows: 1 of 1 Query complete 00:00:00.360 Ln 99, Col 1

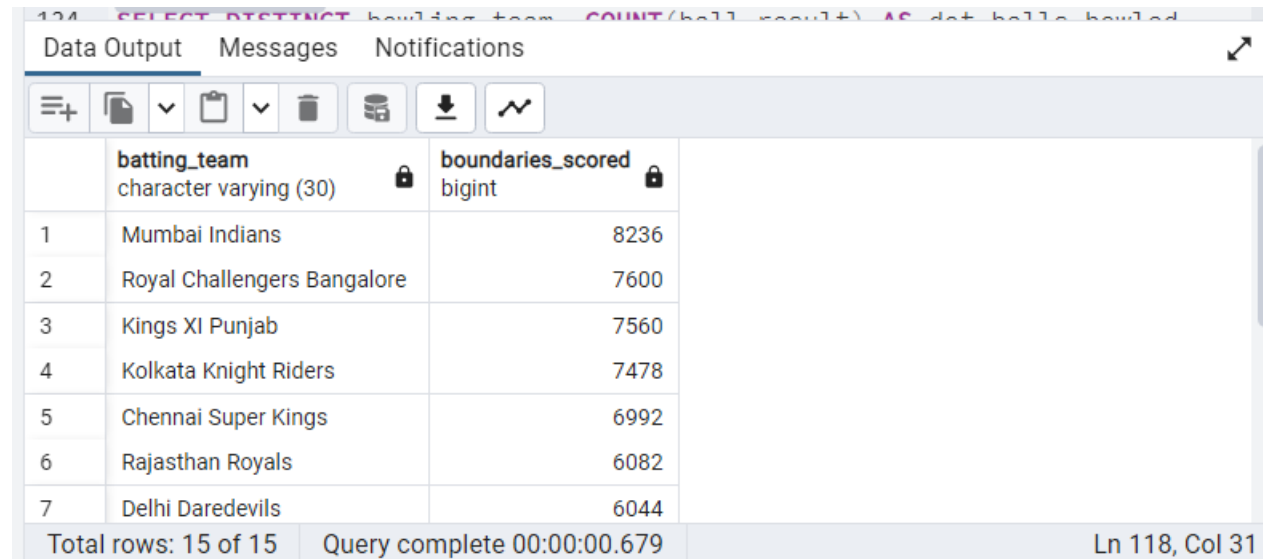
Data Output		Messages	Notifications
total_dots bigint			
1	135682		

Successfully run. Total query runtime: 614 msec. 1 rows affected.

Total rows: 1 of 1 Query complete 00:00:00.614 Ln 106, Col 1

9. fetch the total number of boundaries scored by each team from the deliveries_v02 table and order it in descending order of the number of boundaries scored

- The number of boundaries scored by each team are as below:



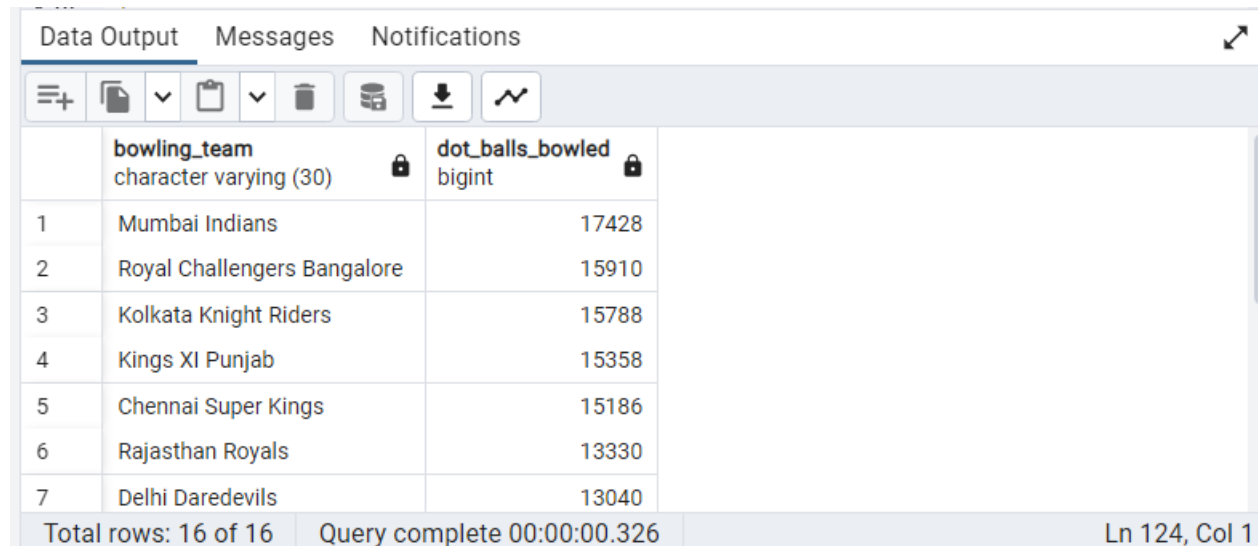
The screenshot shows a database query result in a tool with tabs for 'Data Output', 'Messages', and 'Notifications'. The 'Data Output' tab is active, displaying a table with two columns: 'batting_team' (character varying (30)) and 'boundaries_scored' (bigint). The table lists seven teams in descending order of boundaries scored. The status bar at the bottom indicates 'Total rows: 15 of 15', 'Query complete 00:00:00.679', and 'Ln 118, Col 31'.

	batting_team character varying (30)	boundaries_scored bigint
1	Mumbai Indians	8236
2	Royal Challengers Bangalore	7600
3	Kings XI Punjab	7560
4	Kolkata Knight Riders	7478
5	Chennai Super Kings	6992
6	Rajasthan Royals	6082
7	Delhi Daredevils	6044

Total rows: 15 of 15 Query complete 00:00:00.679 Ln 118, Col 31

10. fetch the total number of dot balls bowled by each team and order it in descending order of the total number of dot balls bowled.

- The total number of dot balls bowled by each team are as below :

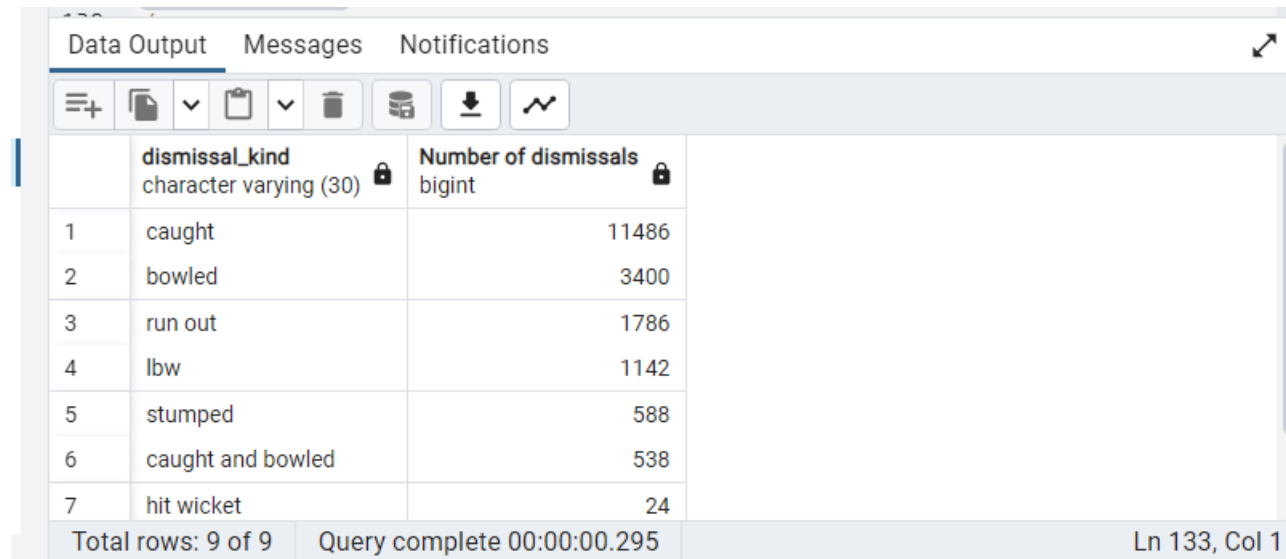


	bowling_team character varying (30)	dot_balls_bowled bigint
1	Mumbai Indians	17428
2	Royal Challengers Bangalore	15910
3	Kolkata Knight Riders	15788
4	Kings XI Punjab	15358
5	Chennai Super Kings	15186
6	Rajasthan Royals	13330
7	Delhi Daredevils	13040

Total rows: 16 of 16 Query complete 00:00:00.326 Ln 124, Col 1

11. fetch the total number of dismissals by dismissal kinds where dismissal kind is not NA

- the total number of dismissals by dismissal kinds where dismissal kind is not NA :



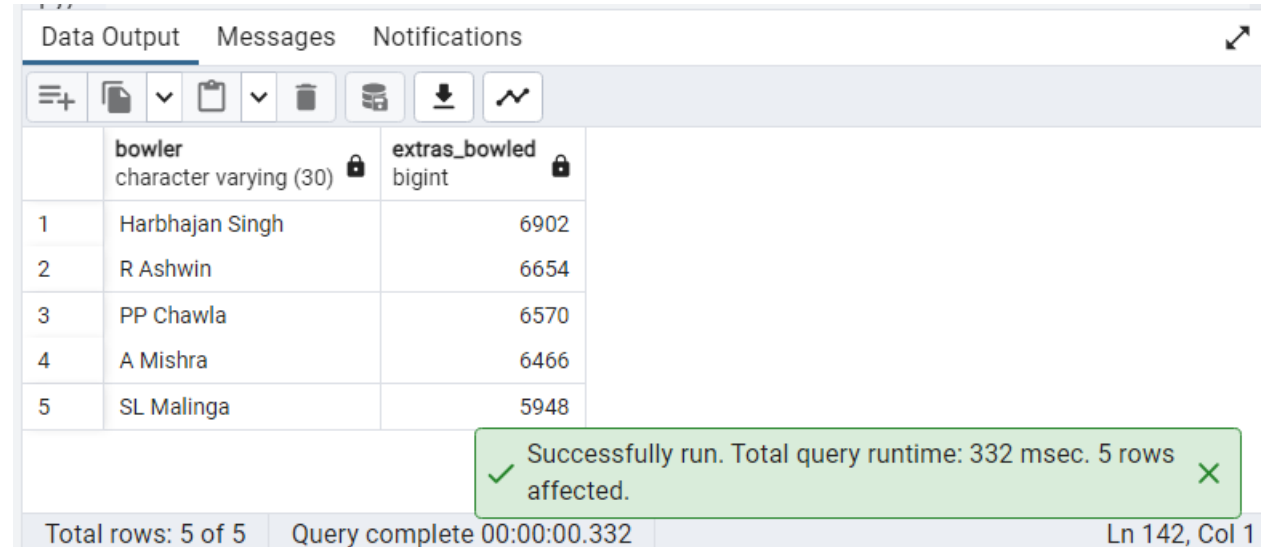
The screenshot shows a database query result window with a table containing 7 rows of dismissal data. The table has two columns: 'dismissal_kind' (character varying (30)) and 'Number of dismissals' (bigint). The rows are numbered 1 through 7. The status bar at the bottom indicates 'Total rows: 9 of 9', 'Query complete 00:00:00.295', and 'Ln 133, Col 1'.

	dismissal_kind character varying (30)	Number of dismissals bigint
1	caught	11486
2	bowled	3400
3	run out	1786
4	lbw	1142
5	stumped	588
6	caught and bowled	538
7	hit wicket	24

Total rows: 9 of 9 Query complete 00:00:00.295 Ln 133, Col 1

12. the top 5 bowlers who conceded maximum extra runs from the deliveries table

- the top 5 bowlers who conceded maximum extra runs from the deliveries table



The screenshot shows a database query result interface. At the top, there are tabs for 'Data Output', 'Messages', and 'Notifications'. Below the tabs is a toolbar with icons for various actions. The main area displays a table with two columns: 'bowler' (character varying (30)) and 'extras_bowled' (bigint). The table contains 5 rows of data, ranked by the number of extra runs conceded. A green notification box at the bottom right indicates that the query was successfully run, with a total runtime of 332 msec and 5 rows affected. The bottom status bar shows 'Total rows: 5 of 5', 'Query complete 00:00:00.332', and 'Ln 142, Col 1'.

	bowler character varying (30)	extras_bowled bigint
1	Harbhajan Singh	6902
2	R Ashwin	6654
3	PP Chawla	6570
4	A Mishra	6466
5	SL Malinga	5948

✓ Successfully run. Total query runtime: 332 msec. 5 rows affected. ✕

Total rows: 5 of 5 Query complete 00:00:00.332 Ln 142, Col 1

13. fetch the total runs scored for each venue and order it in the descending order of total runs scored.

- total runs scored for each venue are:

Data Output

Messages

Notifications

	venue character varying (60)	venue_runs bigint
1	Eden Gardens	47316
2	Wankhede Stadium	46780
3	Feroz Shah Kotla	45894
4	M Chinnaswamy Stadium	40474
5	Rajiv Gandhi International Stadium, Uppal	38968
6	MA Chidambaram Stadium, Chepauk	35642
7	Sawai Mansingh Stadium	28528

Total rows: 36 of 36

Query complete 00:00:00.979

Ln 161, Col 1

14. fetch the year-wise total runs scored at Eden Gardens

- The year-wise total runs scored at Eden Gardens:

Data Output Messages Notifications			
	year_wise numeric	year_wise_runs bigint	
1	2018	5770	
2	2019	5302	
3	2015	4772	
4	2013	4608	
5	2017	4388	
6	2010	4334	
7	2016	4146	
Total rows: 11 of 11 Query complete 00:00:00.553 Ln 171, Col 1			

Successfully run. Total query runtime: 553 msec. 11 rows affected.

15. Use subqueries to fetch data of all the ball_id which are repeating.

Data Output

Messages

Notifications

	<div>ball_id</div> <div>text</div> <div></div>	<div>id</div> <div>integer</div> <div></div>	<div>inning</div> <div>integer</div> <div></div>	<div>over</div> <div>integer</div> <div></div>	<div>ball</div> <div>integer</div> <div></div>	<div>batsman</div> <div>character varying (30)</div> <div></div>	<div>non_</div> <div>chara</div> <div></div>
1	1082591-1-0-1	1082591	1	0	1	DA Warner	S Dh
2	1082591-1-0-1	1082591	1	0	1	DA Warner	S Dh
3	1082591-1-0-2	1082591	1	0	2	DA Warner	S Dh
4	1082591-1-0-2	1082591	1	0	2	DA Warner	S Dh
5	1082591-1-0-3	1082591	1	0	3	DA Warner	S Dh
6	1082591-1-0-3	1082591	1	0	3	DA Warner	S Dh

Total rows: 1000 of 386936

Query complete 00:00:04.551

Ln 232, Col 1

Thank You ☺