



NBA Data SQL Queries

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```

1 SELECT
2 Team,
3 SUM(Points) AS TotalPoints
4 FROM
5 sports-data-419719.NBA.Game_Log
6 WHERE EXTRACT
7 (YEAR FROM Date) = 2023
8 GROUP BY
9 Team
10 ORDER BY
11 TotalPoints DESC

```

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Total Points Scored Query

Retrieve the Total Points Scored by Each Team in a Specific Season

SELECT

Team,

SUM(Points) AS TotalPoints

FROM

sports-data-419719.NBA.Game_Log

WHERE EXTRACT (YEAR FROM Date) = 2023

GROUP BY

Team

ORDER BY

TotalPoints DESC;

Query results			SAVE RESULTS	EXPLORE DATA	
JOB INFORMATION			RESULTS	CHART	JSON
Row	Team	TotalPoints			
1	MIL	3999			
2	DAL	3932			
3	IND	3924			
4	DEN	3919			
5	ATL	3910			
6	LAL	3884			
7	PHI	3872			
8	BOS	3864			
9	NOP	3827			
10	BRK	3815			

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The Results

```

1 SELECT
2 Player,
3 Team,
4 FreeThrowPercentPerGame, FreeThrowAttemptsPerGame
5 FROM
6 sports-data-419719.NBA.Per_Game
7 WHERE EXTRACT (YEAR FROM Date) = 2023 AND FreeThrowAttemptsPerGame > 2
8 ORDER BY
9 FreeThrowPercentPerGame DESC

```

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Free Throw Query

Find the Player with the Highest Free Throw Percentage

SELECT

Player,

Team,

FreeThrowPercentPerGame,

FreeThrowAttemptsPerGame

FROM

sports-data-419719.NBA.Per_Game

WHERE EXTRACT (YEAR FROM Date) = 2023 AND

FreeThrowAttemptsPerGame > 2

ORDER BY

FreeThrowPercentPerGame DESC;

Query results						SAVE RESULTS	EXPLORE DATA	
JOB INFORMATION		RESULTS	CHART	JSON	EXECUTION DETAILS	EXECUTION GRAPH		
Row	Player	Team	FreeThrowPercentPe	FreeThrowAttemptsF				
1	stephen curry	GSW	0.923	4.4				
2	bogdan bogdanović	ATL	0.921	2.1				
3	damian lillard	MIL	0.92	7.0				
4	keon johnson	BRK	0.917	2.4				
5	anfernee simons	POR	0.916	3.9				
6	terry rozier	MIA	0.913	2.2				
7	paul george	LAC	0.907	3.9				
8	kyrie irving	DAL	0.905	3.6				
9	alec burks	DET	0.903	3.1				
10	derrick white	BOS	0.901	2.1				
11	lauri markkanen	UTA	0.899	5.0				

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The Results

```
1 SELECT
2 Team,
3 COUNT(*) AS OvertimeWins
4 FROM
5 sports-data-419719.NBA.Results
6 WHERE
7 EXTRACT (YEAR FROM Date) = 2023 AND
8 Winloss = TRUE AND
9 Overtime = TRUE
10 GROUP BY
11 Team
12 ORDER BY
13 OvertimeWins DESC
```

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Overtime Wins Query

Identify Teams with the Most Wins in Overtime

SELECT

Team,

COUNT(*) AS OvertimeWins

FROM

sports-data-419719.NBA.Results

WHERE EXTRACT (YEAR FROM Date) = 2023 AND

Winloss = TRUE AND

Overtime = TRUE

GROUP BY

Team

ORDER BY

OvertimeWins DESC;

Query results			SAVE RESULTS	EXPLORE DATA	
JOB INFORMATION			RESULTS	CHART	JSON
EXECUTION DETAILS			EXECUTION GRAPH		
Row	Team	OvertimeWins			
1	CLE	2			
2	OKC	2			
3	CHI	2			
4	SAC	2			
5	MEM	1			
6	PHO	1			
7	TOR	1			
8	ATL	1			
9	BOS	1			
10	CHO	1			

Results per page: 50 1 - 17 of 17

The Results

```

1 SELECT
2   Position, AVG(PointsPerGame) AS AvgPoints
3 FROM
4   sports-data-419719.NBA.Per_Game
5 WHERE EXTRACT(YEAR FROM Date) = 2023 AND
6        Position != "none"
7 GROUP BY
8   Position
9 ORDER BY
10  AvgPoints DESC

```

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Points Per Position Query

Calculate the Average Points Per Game for Each Position

SELECT

Position,

AVG(PointsPerGame) AS AvgPoints

FROM

sports-data-419719.NBA.Per_Game

WHERE EXTRACT(YEAR FROM Date) = 2023 AND

Position != "none"

GROUP BY

Position

ORDER BY

AvgPoints DESC;

Query results

SAVE RESULTS

EXPLORE DATA

JOB INFORMATION

RESULTS

CHART

JSON

EXECUTION DETAILS

EXECUTION GRAPH

Row	Position	AvgPoints
1	pg	9.331249999999...
2	pf	8.265925925925...
3	c	7.966666666666...
4	sg	7.817567567567...
5	sf	7.447517730496...

The Results

```

1 SELECT
2 Team,
3 COUNT(StartingLineup) AS Startcount,
4 StartingLineup
5 FROM
6 sports-data-419719.NBA.Starting_Lineups
7 WHERE EXTRACT(YEAR FROM Date) = 2023
8 GROUP BY
9 Team,
10 StartingLineup
11 ORDER BY
12 Startcount DESC

```

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Starting Lineup Query

List the Teams that Have the Most Consistent Starting Lineups

SELECT

Team,

COUNT(StartingLineup) AS Startcount,

StartingLineup

FROM

sports-data-419719.NBA.Starting_Lineups

WHERE EXTRACT(YEAR FROM Date) = 2023

GROUP BY

Team,

StartingLineup

ORDER BY

Startcount DESC;

Query results					SAVE RESULTS	EXPLORE DATA	
JOB INFORMATION		RESULTS	CHART	JSON	EXECUTION DETAILS		
Row	Team	Startcount	StartingLineup				
1	WAS	28	D. Avdija · D. Gafford · T. Jones · K. Kuzma · J. Poole				
2	HOU	27	D. Brooks · J. Green · A. Sengun · J. Smith · F. VanVleet				
3	TOR	25	O. Anunoby · S. Barnes · J. Poeltl · D. Schröder · P. Siakam				
4	OKC	24	L. Dort · J. Giddey · S. Gilgeous-Alexander · C. Holmgren · J. Williams				
5	MIL	23	G. Antetokounmpo · M. Beasley · D. Lillard · B. Lopez · K. Middleton				
6	MIN	19	M. Conley · A. Edwards · R. Gobert · J. McDaniels · K. Towns				
7	SAC	19	H. Barnes · D. Fox · K. Huerter · K. Murray · D. Sabonis				
8	ORL	18	P. Banchemo · G. Bitadze · A. Black · J. Suggs · F. Wagner				
9	BOS	16	J. Brown · J. Holiday · K. Porzingis · J. Tatum · D. White				
10	DEN	15	K. Caldwell-Pope · A. Gordon · N. Jokic · J. Murray · M. Porter				
11	LAC	15	P. George · J. Harden · K. Leonard · T. Mann · I. Zubac				

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The Results