Hello Jack,

We hope this email finds you well. Thank you for giving us the opportunity to work with the NBA. As per your request and data provided following details were obtained: (*Please note that I have included the queries run for each information along with the information*)

1. The figures on the players who missed a game because of soreness are in the list below along with most recurring types of soreness the players experienced.

QUERY:

```
select count(comment), comment from player stats WHERE comment LIKE "%Sore%" group by comment order by count(comment) desc;
```

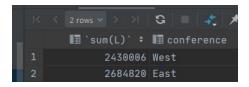
INFORMATION:

2. The conference that lost the most games is as follows:

QUERY:

select sum(L), conference from team_performance_stats group by conference;

INFORMATION:



3. Top five reasons a player missed a game:

QUERY:

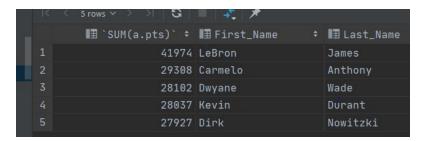
select count(comment), comment from player_stats group by comment order by count(comment)
DESC LIMIT 5:

4. Top 5 scorers between 2003 and 2019:

QUERY:

select SUM(a.pts), b.First_Name, b.Last_Name FROM player_stats a JOIN
players_name_directory b on a.id = b.id GROUP BY b.First_Name, b.Last_Name ORDER BY
SUM(a.pts) DESC LIMIT 5;

INFORMATION:

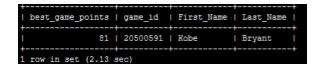


5. The player with most scored points with the game id of that game is:

QUERY:

select a.pts as best_game_points, b.game_id, b.First_Name, b.Last_Name FROM player_stats a JOIN players name directory b on a.id = b.id ORDER BY a.pts DESC LIMIT 1;

INFORMATION:

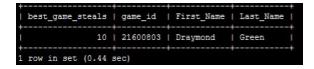


6. The player with most steals with the game id of that game is:

QUERY:

select a.stl as best_game_steals, b.game_id, b.First_Name, b.Last_Name FROM player_stats a JOIN players_name_directory b on a.id = b.id ORDER BY a.stl DESC LIMIT 1;

INFORMATION:



7. The player with most blocks with the game id of that game is

QUERY:

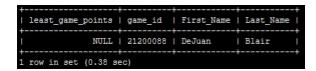
select a.blk as best_game_blocks, b.game_id, b.First_Name, b.Last_Name FROM player_stats a JOIN players_name_directory b on a.id = b.id ORDER BY a.blk DESC LIMIT 1;

8. The player with the least scored points with the game id of that game is:

QUERY:

select a.pts as least_game_points, b.game_id, b.First_Name, b.Last_Name FROM player_stats a JOIN players name directory b on a.id = b.id ORDER BY a.pts ASC LIMIT 1;

INFORMATION:

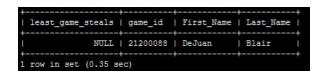


9. The player with the least steals with the game id of that game is:

QUERY:

select a.stl as least_game_steals, b.game_id, b.First_Name, b.Last_Name FROM player_stats a JOIN players name directory b on a.id = b.id ORDER BY a.stl ASC LIMIT 1;

INFORMATION:

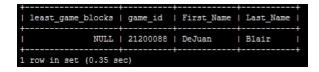


10. The player with the least blocks with the game id of that game is:

QUERY:

select a.blk as least_game_blocks, b.game_id, b.First_Name, b.Last_Name FROM player_stats a JOIN players name directory b on a.id = b.id ORDER BY a.blk ASC LIMIT 1;

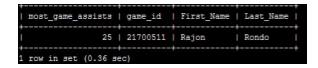
INFORMATION:



11. The player with most assists with the game id of that game is:

QUERY:

select a.ast as most_game_assists, b.game_id, b.First_Name, b.Last_Name FROM player_stats a JOIN players name directory b on a.id = b.id ORDER BY a.ast DESC LIMIT 1;

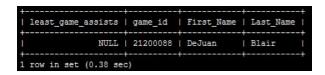


12. The player with least assists with the game id of that game is:

QUERY:

select a.ast as least_game_assists, b.game_id, b.First_Name, b.Last_Name FROM player_stats a JOIN players name directory b on a.id = b.id ORDER BY a.ast ASC LIMIT 1;

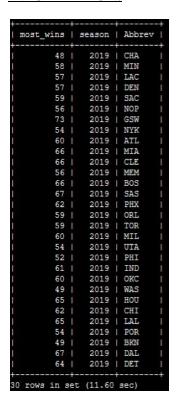
INFORMATION:



13. The teams with maximum wins that played home last year are:

QUERY:

select MAX(a.W) as most_wins, h.season, b.Abbrev FROM team_performance_stats a JOIN team_info b on a.team_performance_id = b.team_info_id JOIN final_home_team_numbers h on h.home_team_id = b.team_info_id WHERE h.season = 2019 GROUP BY b.Abbrev;



14. The teams with the maximum wins that played away from home in the year 2010 are:

QUERY:

select MAX(a.W) as most_wins, h.season, b.Abbrev FROM team_performance_stats a JOIN team_info b on a.team_performance_id = b.team_info_id JOIN final_team_away_numbers h on h.visitor team id = b.team_info_id WHERE h.season = 2010 GROUP BY b.Abbrev;

INFORMATION:

+	+		+		+
most_wins	Ţ	season	ļ	Abbrev	!
1 67	H	2010	1	DAL	T
1 66	Ī	2010	i	MIA	L
1 60	i	2010	i	OKC	ī
1 62	1	2010	i	CHI	1
56	1	2010	ī	MEM	1
66	ï	2010	ï	BOS	i
1 60	T	2010	ı	ATL	ı
1 65	Ī	2010	i	LAL	ī
1 67	1	2010	i	SAS	Ī
1 59	Ī	2010	i	ORL	Ĺ
1 52	i	2010	1	PHI	L
1 57	1	2010	1	DEN	ı
61	1	2010	ı	IND	1
56	ï	2010	ï	NOP	ı
54	T	2010	ı	POR	ı
1 54	1	2010	1	NYK	I
1 49	1	2010	ı	WAS	I
1 64	1	2010	1	DET	L
1 49	1	2010	1	BKN	L
1 65	1	2010	1	HOU	ı
1 60	1	2010	ı	MIL	L
48	Ĭ.	2010	ï	CHA	Ī
1 66	T	2010	ı	CLE	ı
1 59	1	2010	1	TOR	ı
54	1	2010	ı	UTA	I
1 73	1	2010	i	GSW	Ľ
1 58	1	2010	1	MIN	L
1 62	1	2010	ı	PHX	ı
1 59	1	2010	ı	SAC	1
1 57	Ĭ,	2010	Ī	LAC	i
+	+		+		+
30 rows in s	e'	t (16.50)	sec)	

15. The teams with maximum losses that played home last year are:

QUERY:

select MAX(a.L) as most_loses, h.season, b.Abbrev FROM team_performance_stats a JOIN team_info b on a.team_performance_id = b.team_info_id JOIN final_home_team_numbers h on h.home_team_id = b.team_info_id WHERE h.season = 2019 GROUP BY b.Abbrev;

+	12		1		+
most_loses	I	season	1	Abbrev	1
+	+		+		+
64	I	2019	1	CHA	1
67	ı	2019	1	MIN	1
63	I	2019	1	LAC	1
65	I	2019	1	DEN	1
65	I	2019	1	SAC	1
1 64	I	2019	1	NOP	1
1 56	I	2019	1	GSW	1
1 65	I	2019	I	NYK	1
69	ľ	2019	ı	ATL	1
1 67	I	2019	1	MIA	1
1 65	I	2019	1	CLE	1
60	L	2019	1	MEM	1
58	I	2019	1	BOS	1
35	1	2019	1	SAS	1
1 63	I	2019	1	PHX	1
62	Ī	2019	I	ORL	1
60	ľ	2019	1	TOR	1
67	I	2019	1	MIL	1
57	ı	2019	1	UTA	1
72	I	2019	1	PHI	1
50	Ī	2019	1	IND	1
62	1	2019	1	OKC	1
63	I	2019	1	WAS	1
48	i	2019	ī	HOU	Ī
60	ï	2019	ï	CHI	1
65	i	2019	i	LAL	1
1 61	i	2019	i	POR	1
70	i	2019	i	BKN	1
58	i	2019	i	DAL	i
55	i	2019	i	DET	1
+	+		+		+
30 rows in se	ŧ	(11.34	3	ec)	

16. The teams with the maximum losses that played away from home in the year 2010 are:

QUERY:

select MAX(a.L) as most_loses, h.season, b.Abbrev FROM team_performance_stats a JOIN team_info b on a.team_performance_id = b.team_info_id JOIN final_team_away_numbers h on h.visitor_team_id = b.team_info_id WHERE h.season = 2010 GROUP BY b.Abbrev;

+	+		13		+
most_loses	Ĭ	season		Abbrev	
+	+		+		+
58	1	2010	I	DAL	
67	I	2010	I	MIA	
62	1	2010	I	OKC	
60	1	2010	I	CHI	
1 60	1	2010	I	MEM	
58	I	2010		BOS	
69	Ī	2010		ATL	
65	ı	2010		LAL	
35	1	2010	I	SAS	
62	I	2010	I	ORL	
72	1	2010		PHI	
65	1	2010	I	DEN	
1 50	1	2010	ı	IND	
64	Ī	2010	I	NOP	
61	i	2010	i	POR	
65	i	2010	Ī	NYK	
63	1	2010	ı	WAS	
55	Ī	2010	Ī	DET	
70	i	2010	ĺ	BKN	
48	i	2010	Ī	HOU	
67	i	2010	Ī	MIL	
64	i	2010	ï	CHA	
1 65	ï	2010	i	CLE	
1 60	ï	2010	ï	TOR	I
57	i	2010	i	UTA	
56	i	2010	i	GSW	1
1 67	i	2010	i	MIN	1
63	i	2010	i	PHX	1
65	i	2010	i	SAC	i
63	i	2010	i	LAC	i
+	+		+		+
+	t	(16.39	3		+

17. In the year 2019 the list of top 10 team names and their maximum wins along with their founding year is:

QUERY:

select MAX(a.W) as maximum_wins, b.Abbrev, b.yearfounded FROM team_performance_stats a JOIN team_info b on a.team_performance_id = b.team_info_id WHERE a.season = 2019 GROUP BY b.team_info_id ORDER BY SUM(a.W) DESC LIMIT 10;

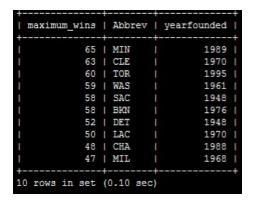
maximum_wins		Abbre	v i	yearfounded	
52	Ť	MIL	1	1968	Ť
46		LAL	i	1948	i
41		LAC		1970	
42		TOR		1995	
41		BOS		1946	
41		DEN		1976	
38		MIA		1988	
37		PHI		1949	
39		HOU		1967	
37		UTA		1974	
 	+		+		+
10 rows in set	(0.07	sec)		

18. In the year 2015 the list of top 10 team names and their maximum loses along with their founding year is:

QUERY:

select MAX(a.L) as maximum_wins, b.Abbrev, b.yearfounded FROM team_performance_stats a JOIN team_info b on a.team_performance_id = b.team_info_id WHERE a.season = 2010 GROUP BY b.team info id ORDER BY SUM(a.L) DESC LIMIT 10;

INFORMATION:



19. The team that played home the most in the year 2019 is the Los Angeles Lakers.

QUERY:

select COUNT(*) as count_of_home, h.season, b.Abbrev FROM team_info b JOIN final_team_away_numbers h on h.visitor_team_id = b.team_info_id WHERE h.season = 2019 GROUP BY b.Abbrev ORDER BY count_of_home DESC LIMIT 1;

INFORMATION:



20. In the year 2015, the teams had the most defensive rebound while playing home are:

QUERY:

select MAX(a.REB_home), a.season, b.Abbrev FROM team_info b JOIN final_home_team_numbers a on a.home_team_id = b.team_info_id WHERE a.season = 2015 GROUP BY b.Abbrev;

	-+		+		t
MAX(a.REB_home)	4	season	l	Abbrev	ļ
65	1	2015	ï	GSW	i
53		2015	i	CLE	i
62	Ť	2015	i	OKC	Ī
55	1	2015	1	TOR	i
67	1	2015	i	MIA	ī
56	i	2015	i	SAS	
58	i	2015	i	POR	î
53	1	2015	ı	ATL	i
62	1	2015	1	IND	I
59		2015	1	CHA	I
67		2015	1	BOS	I
55	1	2015	1	LAC	1
58	1	2015	ı	MEM	
63		2015	1	HOU	i
62		2015	ı	DET	
55	1	2015	ı	DAL	
53	1	2015	1	BKN	I
55		2015	1	WAS	I
62		2015	1	CHI	
60	1	2015	1	MIL	
53	1	2015	1	MIN	
54		2015	ı	LAL	
58		2015	ı	PHX	
63	1	2015	1	ORL	
54	1	2015	1	NOP	
57		2015	1	UTA	
54		2015	1	PHI	I
62	1	2015	1	DEN	
55	I	2015		NYK	
56		2015	I	SAC	
+	-+-		+		+
30 rows in set (0	.03	2 sec)			

21. In the year 2015, the teams had the most defensive rebound while playing away are:

QUERY:

select MAX(a.REB_away), a.season, b.Abbrev FROM team_info b JOIN final_team_away_numbers a on a.visitor_team_id = b.team_info_id WHERE a.season = 2015 GROUP BY b.Abbrev;

+	-+		+	322	†
MAX (a.REB_away)	-	season	ļ	Abbrev	Ļ
57	1	2015	i	CLE	i
67	1	2015	1	GSW	Ī
1 63	3 1	2015	i	OKC	Ī
57	1	2015	1	TOR	1
1 57	1	2015	i	MIA	1
52	2 1	2015	ı	SAS	i
58		2015	ı	POR	ī
53	3 1	2015	i	ATL	i
1 64		2015	1	CHA	I
55	5 1	2015	i	IND	Ī
52	2 1	2015	1	LAC	I
1 55	5 1	2015	1	HOU	1
57	1	2015	i	BOS	Ī
55	1	2015	i	DAL	ï
64		2015	i	DET	î.
58	1	2015	i	MEM	i
1 55	1	2015	1	ORL	Ī
54		2015	i	PHI	i
59	1	2015	i	SAC	Ī
58	1	2015	i	NOP	1
1 60	1	2015	i	UTA	i
59	1	2015	i	DEN	ï
59	i	2015	i	NYK	î
65	1	2015	i	MIL	i
60		2015	i	WAS	i
59		2015	i	CHI	I
57		2015	i	LAL	ì
60		2015	i	BKN	1
57		2015	i	PHX	1
58		2015	i	MIN	i
+	-		+		+
30 rows in set (0	0.0	2 sec)			

Please find attached both the snippet and a JPEG file of the ERD diagrams of the database for your future references. Feel free to contact incase you need any further information or help. It was a pleasure working with you. Looking forward to meeting you soon.

Best Regards,

David Josue Molina

Tabassum Nisha

