

SQL ASSIGNMENT

Anna Abraham

2337009

DATASET USED - bigquery-public-data.ncaa_basketball

QUESTION 1

Question 1

RUN

SAVE QUERY

SHARE

SCHEDULE

MORE

This query will process 11.09 KB when ru

```
1 -- Q1. List out 10 markets, name, their mascots in descending order
2 SELECT market, name, mascot
3 FROM `bigquery-public-data.ncaa_basketball.mascots`
4 ORDER BY market DESC
5 LIMIT 15
```

Row	market	name	mascot
1	Youngstown State	Penguins	Penguin
2	Yale	Bulldogs	Bulldog
3	Xavier	Musketeers	Musketeer
4	Wyoming	Cowboys	Cowboy
5	Wright State	Raiders	Wolf
6	Wofford	Terriers	Terriers
7	Wisconsin	Badgers	Badger
8	Winthrop	Eagles	Eagle
9	William & Mary	Tribe	Griffin
10	Wichita State	Shockers	Wheat
11	Western Michigan	Broncos	Bronco
12	Western Kentucky	Hilltoppers	Furry Blob
13	Western Illinois	Leathernecks	Bulldog
14	Western Carolina	Catamounts	Cougar
15	West Virginia	Mountaineers	Mountaineer

QUESTION 2

Question 2

RUN

SAVE QUERY

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SCHEDULE

MORE

This query will process 3.15 KB when run.

1

-- Q2. Find out all the markets that have the 'rooster' as the mascot

2

SELECT COUNT (mascot)

3

FROM `bigquery-public-data.ncaa_basketball.mascots`

4

WHERE LOWER (mascot)='rooster'

Query results

SAVE RESULTS

EXPLORE DATA

JOB INFORMATION

RESULTS

CHART

PREVIEW

JSON

EXECUTION DETAILS

EXECUTION GRAPH

Row	f0_
1	3

QUESTION 3

Question 3

RUN

SAVE QUERY

SHARE

SCHEDULE

MORE

Query completed.

```
1 -- Q3. List all the markets having their mascots as either 'devil' or 'demon'
2 SELECT mascot,market
3 FROM `bigquery-public-data.ncaa_basketball.mascots`
4 WHERE LOWER (mascot)='devil' OR LOWER (mascot)='demon'
5 ORDER BY mascot,market
```

Query results

SAVE RESULTSEXPLORE DATA

JOB INFORMATION		RESULTS	CHART	PREVIEW	JSON	EXECUTION DETAILS	EXECUTION GRAPH
Row	mascot	market					
1	Demon	DePaul					
2	Demon	Northwestern State					
3	Demon	Wake Forest					
4	Devil	Arizona State					
5	Devil	Central Connecticut State					
6	Devil	Duke					
7	Devil	Mississippi Valley State					

QUESTION 4

Question 4

RUN

SAVE QUERY

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SCHEDULE

MORE

This query will process 55.57 KB when run.

1

-- Q4. List 15 the markets with no names for their mascots

2

SELECT *

3

FROM `bigquery-public-data.ncaa_basketball.mascots`

4

WHERE mascot_name IS NULL

5

LIMIT 15

Row	id	market	name	mascot	mascot_name	mascot_common_name
1	bdc2561d-f603-4fab-a262-f1d2...	Michigan	Wolverines	None	null	null
2	5873529e-e5e3-4a06-8a03-fa4...	Mississippi Valley State	Delta Devils	Devil	null	null
3	150148c2-ca8f-414f-8f41-d94a...	Illinois	Fighting Illini	None	null	null
4	1e42cce3-236b-4f3e-9650-2c4...	Saint Louis	Billikens	Billiken	null	null
5	7a270923-01d6-4a6f-a93e-e87...	Manhattan	Jaspers	None	null	null
6	472c22e0-843d-472c-a871-f15...	Central Michigan	Chippewas	None	null	null
7	ee09e6ad-3872-4745-bbb9-ebb...	DePaul	Blue Demons	Demon	null	Blue Demon
8	faeb1160-5d15-4f26-99fc-c441...	Duke	Blue Devils	Devil	null	Blue Devil
9	c7116621-45ed-4ab1-9ad9-dee...	Southern Utah	Thunderbirds	Thunderbirds	null	Thunderbird
10	de8fc8a7-253f-4597-8a48-a01...	North Dakota	Fighting Hawks	Hawk	null	Hawk
11	d20216d8-161c-46e3-b8d2-92...	Maryland-Eastern Shore	Hawks	Hawk	null	Hawk
12	1bddc811-44cf-4e53-b4ab-11c...	Alcorn State	Braves	Hawk	null	Hawk
13	5f9a90a2-3926-404e-8c8a-d9f...	Coppin State	Eagles	Eagle	null	Eagle
14	6b955b96-b736-475e-bffd-e4a...	Georgia Southern	Eagles	Eagle	null	Eagle
15	e4c315a0-e83f-4d14-856e-34a...	North Carolina Central	Eagles	Eagle	null	Eagle

QUESTION 5

Question 5

RUN

SAVE QUERY

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SCHEDULE

MORE

Query completed.

1

-- Q4. List out 10 different mascots in ascending order

2

SELECT DISTINCT mascot

3

FROM `bigquery-public-data.ncaa_basketball.mascots`

4

ORDER BY mascot ASC

5

LIMIT 10

Row	mascot
1	49er
2	Alligator
3	Anteater
4	Astronaut
5	Aztec Warrior
6	Badger
7	Bear
8	Bearcat
9	Bearkat
10	Beaver

QUESTION 6

Question 6

RUN

SAVE QUERY

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SCHEDULE

MORE

This query will process 1,015.88 KB when run.

1

-- Q6. List out the average number of people attending the games at each city

2

SELECT venue_city, AVG(attendance)

3

FROM `bigquery-public-data.ncaa_basketball.mbb_teams_games_sr`

4

group by venue_city

5

LIMIT 10

Row	venue_city	f0_
1	San Diego	7883.645161290...
2	Stockton	2196.213114754...
3	San Jose	2472.387096774...
4	University	8339.109375000...
5	St. Bonaventure	4118.866666666...
6	Allentown	7701.5
7	Tampa	3245.517241379...
8	Los Angeles	5659.280851063...
9	Logan	7862.808823529...
10	Greenville	3406.558823529...

QUESTION 7

```
1 --Q.7 Find out the total number of attendance city wise for all the games
2 SELECT SUM(attendance), venue_city
3 FROM `bigquery-public-data.ncaa_basketball.mbb_games_sr`
4 GROUP BY venue_city
```

Row	f0_	venue_city
1	134440	Maui
2	435060	Portland
3	400706	Des Moines
4	105215	Oklahoma City
5	854440	Providence
6	375906	Stanford

QUESTION 8

```
1 --Q8.What are the names of the venue when the games took place in Stanford or Los Angeles?
2 SELECT DISTINCT venue_name
3 FROM `bigquery-public-data.ncaa_basketball.mbb_games_sr`
4 WHERE venue_city = 'Stanford' OR venue_city = 'Los Angeles'
```

Row	venue_name
1	Maples Pavilion
2	Pauley Pavilion
3	Galen Center
4	Gersten Pavilion
5	Staples Center

QUESTION 9


```
1 --Q9. LIST OUT THE COLORS USED BY MARKETS
2 SELECT T1.market,T1.id,T1.color,T2.id
3 FROM `bigquery-public-data.ncaa_basketball.team_colors` AS T1
4 INNER JOIN bigquery-public-data.ncaa_basketball.mascots AS T2
5 ON T1.id=T2.id
6 LIMIT 10
```

Row	market	id	color	id_1	
1	Milwaukee	5d77800f-1ae6-4b66-8e97-b0d...	#000000	5d77800f-1ae6-4b66-8e97-b0d...	
2	Colorado	9fccbf28-2858-4263-821c-fdef...	#000000	9fccbf28-2858-4263-821c-fdef...	
3	Northeastern	93df9b18-e9fc-42a7-bb45-a73...	#000000	93df9b18-e9fc-42a7-bb45-a73...	
4	Georgia Southern	6b955b96-b736-475e-bffd-e4a...	#000066	6b955b96-b736-475e-bffd-e4a...	
5	Richmond	9b66e1e0-aace-4671-9be2-54c...	#000066	9b66e1e0-aace-4671-9be2-54c...	
6	Duquesne	fea46ac5-6dad-43cd-a770-755...	#000144	fea46ac5-6dad-43cd-a770-755...	
7	North Florida	09920a5f-1b25-466c-b5ae-616...	#001a49	09920a5f-1b25-466c-b5ae-616...	
8	Belmont	a0a22502-0d84-440c-84af-1fb...	#00205c	a0a22502-0d84-440c-84af-1fb...	
9	Murray State	77a69fb0-1355-4342-ac09-b4c...	#002144	77a69fb0-1355-4342-ac09-b4c...	
10	Pittsburgh	24051034-96bb-4f78-a3a6-312...	#002144	24051034-96bb-4f78-a3a6-312...	

QUESTION 10

Question 10

RUN

SAVE QUERY

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SCHEDULE

MORE

This query will process 47.72 MB when run.

```
1 --Q10. List out all the players that played in the city of San Diego
2 SELECT T1.venue_city, T2.full_name
3 FROM `bigquery-public-data.ncaa_basketball.mbb_teams_games_sr` AS T1
4 LEFT JOIN bigquery-public-data.ncaa_basketball.mbb_players_games_sr AS T2
5 ON T1.game_id=T2.game_id
6 WHERE T1.venue_city= 'San Diego'
7 LIMIT 10
```

Press Option+E1 for Accessibility Options

Row	venue_city	full_name
1	San Diego	Cameron Neubauer
2	San Diego	David Jelks
3	San Diego	Alex Reynolds
4	San Diego	Ismael Galvez
5	San Diego	Ryan Woolridge
6	San Diego	Rayford Rigby
7	San Diego	Alex Floresca
8	San Diego	Hunter Summy
9	San Diego	Marcus Harris
10	San Diego	Tyler Williams