

1. Find the total number of games in the dataset.

```
SELECT COUNT(*) AS total_games
FROM `bigquery-public-data.baseball.games_post_wide`;
```

Query results

[SAVE RESULTS](#) [EXPLORE DATA](#)

JOB INFORMATION		RESULTS	CHART	PREVIEW	JSON	EXECUTION DETAILS	EXECUTION GRAPH
Row	total_games	8676					

2.Retrieve the details of the game with the highest attendance.

```
SELECT *
FROM `bigquery-public-data.baseball.games_post_wide`
ORDER BY attendance DESC
LIMIT 1;
```

Query results

[SAVE RESULTS](#) [EXPLORE DATA](#)

JOB INFORMATION		RESULTS	CHART	PREVIEW	JSON	EXECUTION DETAILS	EXECUTION GRAPH
Row	gameId	seasonId	seasonType	year	startTime		
1	d5fc15f0-36bf-4c69-beba-858d...	565de4be-dc80-4849-a7e1-54b...	PST	2016	2016-10-21 00:0...		

3. Retrieve information about games played on

```
SELECT *
FROM `bigquery-public-data.baseball.games_post_wide`
WHERE startTime = '2016-10-07 00:08:00 UTC'
LIMIT 5;
```

Query results

[SAVE RESULTS](#) [EXPLORE DATA](#)

JOB INFORMATION		RESULTS	CHART	PREVIEW	JSON	EXECUTION DETAILS	EXECUTION GRAPH
Row	gameId	seasonId	seasonType	year	startTime		
2	c6949116-bd88-4b54-959d-46...	565de4be-dc80-4849-a7e1-54b...	PST	2016	2016-10-07 00:08:00 UTC		
3	c6949116-bd88-4b54-959d-46...	565de4be-dc80-4849-a7e1-54b...	PST	2016	2016-10-07 00:08:00 UTC		
4	c6949116-bd88-4b54-959d-46...	565de4be-dc80-4849-a7e1-54b...	PST	2016	2016-10-07 00:08:00 UTC		
5	c6949116-bd88-4b54-959d-46...	565de4be-dc80-4849-a7e1-54b...	PST	2016	2016-10-07 00:08:00 UTC		

4. Find the total number of games in the dataset.

```
SELECT COUNT(*) AS total_games
FROM `bigquery-public-data.baseball.games_wide`;
```

Query results

[SAVE RESULTS](#) [EXPLORE DATA](#)

JOB INFORMATION		RESULTS	CHART	PREVIEW	JSON	EXECUTION DETAILS	EXECUTION GRAPH
Row	total_games	761618					

5. Find the shortest and longest game durations.

```
SELECT MIN(duration) AS shortest_duration, MAX(duration) AS longest_duration
FROM `bigquery-public-data.baseball.games_wide`;
```

Query results

[SAVE RESULTS](#) [EXPLORE DATA](#)

JOB INFORMATION		RESULTS	CHART	PREVIEW	JSON	EXECUTION DETAILS	EXECUTION GRAPH
Row	shortest_duration	longest_duration					
1	1:15	6:13					

6. Retrieve venues with a capacity range between 20,000 and 40,000

```
SELECT venueId, venueName, venueCapacity
FROM `bigquery-public-data.baseball.games_wide`
WHERE venueCapacity BETWEEN 20000 AND 40000
LIMIT 5;
```

Query results

[SAVE RESULTS](#) [EXPLORE DATA](#)

JOB INFORMATION		RESULTS	CHART	PREVIEW	JSON	EXECUTION DETAILS	EXECUTION GRAPH
Row	venueId	venueName	venueCapacity				
1	d5a66fb3-ff26-4f36-910c-3df5...	Marlins Park	36742				
2	d5a66fb3-ff26-4f36-910c-3df5...	Marlins Park	36742				
3	d5a66fb3-ff26-4f36-910c-3df5...	Marlins Park	36742				
4	d5a66fb3-ff26-4f36-910c-3df5...	Marlins Park	36742				
5	d5a66fb3-ff26-4f36-910c-3df5...	Marlins Park	36742				

7. Find games where the home team scored more runs than the away team:

```
SELECT gameId, homeFinalRuns, awayFinalRuns
FROM `bigquery-public-data.baseball.games_post_wide`
WHERE homeFinalRuns > awayFinalRuns
LIMIT 5;
```

## Query results

[SAVE RESULTS](#) [EXPLORE DATA](#)

JOB INFORMATION	RESULTS	CHART	PREVIEW	JSON	EXECUTION DETAILS	EXECUTION GRAPH
Row	gameId	homeFinalRuns	awayFinalRuns			
1	c6949116-bd88-4b54-959d-46...	5	4			
2	c6949116-bd88-4b54-959d-46...	5	4			
3	c6949116-bd88-4b54-959d-46...	5	4			
4	c6949116-bd88-4b54-959d-46...	5	4			
5	c6949116-bd88-4b54-959d-46...	5	4			

## 8. Count the number of games for each season type.

```
SELECT seasonType, COUNT(*) AS game_count
FROM `bigquery-public-data.baseball.games_wide`
GROUP BY seasonType;
```

## Query results

[SAVE RESULTS](#) [EXPLORE DATA](#)

JOB INFORMATION	RESULTS	CHART	PREVIEW	JSON	EXECUTION DETAILS	EXECUTION GRAPH
Row	seasonType	game_count				
1	REG	761618				

## JOINT QUERIES:

## Count the total number of games in both datasets

```
SELECT COUNT(*) AS total_games
FROM `bigquery-public-data.baseball.games_post_wide`
UNION ALL
SELECT COUNT(*)
FROM `bigquery-public-data.baseball.games_wide`;
```

JOB INFORMATION	RESULTS	CHART	PREVIEW	JSON	EXECUTION DETAILS	EXECUTION GRAPH
Row	total_games					
1	761618					
2	8676					

## 2.Retrieve details of the game with the highest attendance from both datasets.

```
SELECT *
```

```

FROM (
  SELECT *
  FROM `bigquery-public-data.baseball.games_post_wide`
  ORDER BY attendance DESC
  LIMIT 1
)
UNION ALL
SELECT *
FROM (
  SELECT *
  FROM `bigquery-public-data.baseball.games_wide`
  ORDER BY attendance DESC
  LIMIT 1
);

```

JOB INFORMATION		RESULTS	CHART	PREVIEW	JSON	EXECUTION DETAILS	EXECUTION GRAPH
row	gameId	seasonId	seasonType	year	startTime		
1	d5fc15f0-36bf-4c69-beba-858d...	565de4be-dc80-4849-a7e1-54b...	PST	2016	2016-10-21 00:00...		
2	d655aba1-9a0a-46d2-9b71-09...	565de4be-dc80-4849-a7e1-54b...	REG	2016	2016-09-21 02:10...		