Questions to Query for:

How do annual members and casual riders use Cyclistic bikes differently?

MAX for Annual by month

SELECT ride\_id, member\_casual, ride\_length

From `Cyclistic\_Bike\_Data.April\_2023\_Trip\_Data`

WHERE member\_casual = 'member'

ORDER BY ride\_length DESC

In April of 2023, the longest ride that the annual members rode was 23 hours, 53 minutes, and 18 seconds. The ride id was 7CDD2367E7D9D2DF.

MIN for Annual by month

SELECT ride\_id, member\_casual, ride\_length

From `Cyclistic\_Bike\_Data.April\_2023\_Trip\_Data`

WHERE member\_casual = 'member'

ORDER BY ride\_length ASC

Like the casuals, the smallest ride length that the annual members took was 2 seconds. However, According to this query, we found that there were 16 rides at this length, more than 5X that of the casuals!

SELECT ride\_id, member\_casual, ride\_length

From `Cyclistic\_Bike\_Data.April\_2023\_Trip\_Data`

WHERE member\_casual = 'member' AND ride\_length = '00:00:02'

ORDER BY ride\_length ASC

AVG for Annual by month

AVG for annual by bike type in month:

AUGUST: 0:13:43

CLASSIC: 0:14:57

ELECTRIC: 0:12:23

What days of the week do annuals ride most?

SELECT day\_of\_week, member\_casual

FROM `Cyclistic\_Bike\_Data.April\_2023\_Trip\_Data`

WHERE day\_of\_week = 1 and member\_casual = 'member'

Total: 28841

SELECT day\_of\_week, member\_casual

FROM `Cyclistic\_Bike\_Data.April\_2023\_Trip\_Data`

WHERE day\_of\_week = 2 and member\_casual = 'member'

Total: 33101

SELECT day\_of\_week, member\_casual

FROM `Cyclistic\_Bike\_Data.April\_2023\_Trip\_Data`

WHERE day\_of\_week = 3 and member\_casual = 'member'

Total: 39619

SELECT day\_of\_week, member\_casual

FROM `Cyclistic\_Bike\_Data.April\_2023\_Trip\_Data`

WHERE day\_of\_week = 4 and member\_casual = 'member'

Total: 42154

SELECT day\_of\_week, member\_casual

FROM `Cyclistic\_Bike\_Data.April\_2023\_Trip\_Data`

WHERE day\_of\_week = 5 and member\_casual = 'member'

Total: 47191

SELECT day\_of\_week, member\_casual

FROM `Cyclistic\_Bike\_Data.April\_2023\_Trip\_Data`

WHERE day\_of\_week = 6 and member\_casual = 'member'

Total: 42586

SELECT day\_of\_week, member\_casual

FROM `Cyclistic\_Bike\_Data.April\_2023\_Trip\_Data`

WHERE day\_of\_week = 7 and member\_casual = 'member'

Total: 39054

Range for Casuals by month

SELECT ride\_length

FROM `Cyclistic\_Bike\_Data.April\_2023\_Trip\_Data`

WHERE member\_casual = 'casual'

ORDER BY ride\_length DESC

(23:56:37)

MINUS

SELECT ride\_length

FROM `Cyclistic\_Bike\_Data.April\_2023\_Trip\_Data`

WHERE member\_casual = 'casual'

ORDER BY ride\_length ASC

(00:00:02)

TOTAL: 23:56:25

MAX for casual by month

APRIL 2023

SELECT ride\_id, member\_casual, ride\_length

FROM ‘Cyclistic\_Bike\_Data.April\_2023\_Trip\_Data’

WHERE member\_casual = ‘casual’

ORDER BY ride\_length DESC

In April of 2023, the longest ride length was for 23 hours, 56 minutes, and 37 seconds. The ride id was 52CCAF622920BF22

MIN for casual by month

APRIL 2023

SELECT ride\_id, member\_casual, ride\_length

FROM ‘Cyclistic\_Bike\_Data.April\_2023\_Trip\_Data’

WHERE member\_casual = ‘casual’

ORDER BY ride\_length ASC

In April of 2023, the shortest ride length was for 2 seconds. There were 3 rides that fit this description. The ride id’s were A1A7609950E9D132, 5BBD92C30FADBF6C, and 12266273A235A86F.

AVG for casual by month

AUGUST: 0:29:17  
CLASSIC: 0:28:44

ELECTRIC: 0:17:51

DOCKED: 1:52:32

What days of the week do casuals ride most?

Preferred Bike Type:

April 2023:

SELECT ride\_id, rideable\_type, member\_casual

FROM Cyclistic\_Bike\_Data.April\_2023\_Trip\_Data

WHERE rideable\_type = electric\_bike'

Electric Bike: 240352

SELECT ride\_id, rideable\_type, member\_casual

FROM Cyclistic\_Bike\_Data.April\_2023\_Trip\_Data

WHERE rideable\_type = 'electric\_bike' and member\_casual = 'casual'

Casuals: 87080

SELECT ride\_id, rideable\_type, member\_casual

FROM Cyclistic\_Bike\_Data.April\_2023\_Trip\_Data

WHERE rideable\_type = 'electric\_bike' and member\_casual = 'member'

Members: 153272

SELECT ride\_id, rideable\_type, member\_casual

FROM Cyclistic\_Bike\_Data.April\_2023\_Trip\_Data

WHERE rideable\_type = 'classic\_bike'

Classic Bike: 168167

SELECT ride\_id, rideable\_type, member\_casual

FROM Cyclistic\_Bike\_Data.April\_2023\_Trip\_Data

WHERE rideable\_type = classic\_bike' and member\_casual = 'casual'

Casuals: 48493

SELECT ride\_id, rideable\_type, member\_casual

FROM Cyclistic\_Bike\_Data.April\_2023\_Trip\_Data

WHERE rideable\_type = classic\_bike' and member\_casual = member

Members: 119674

SELECT ride\_id, rideable\_type, member\_casual

FROM Cyclistic\_Bike\_Data.April\_2023\_Trip\_Data

WHERE rideable\_type = 'docked\_bike'

Docked Bike: 8834

SELECT ride\_id, rideable\_type, member\_casual

FROM Cyclistic\_Bike\_Data.April\_2023\_Trip\_Data

WHERE rideable\_type = 'docked\_bike' and member\_casual = 'casual'

Casuals: 8834

SELECT ride\_id, rideable\_type, member\_casual

FROM Cyclistic\_Bike\_Data.April\_2023\_Trip\_Data

WHERE rideable\_type = 'docked\_bike' and member\_casual = 'member'

Members: 0

What day of the week do casuals ride most?

SELECT day\_of\_week, member\_casual

FROM `Cyclistic\_Bike\_Data.April\_2023\_Trip\_Data`

WHERE day\_of\_week = 1 and member\_casual = 'casual'

Total: 18386

SELECT day\_of\_week, member\_casual

FROM `Cyclistic\_Bike\_Data.April\_2023\_Trip\_Data`

WHERE day\_of\_week = 2 and member\_casual = 'casual'

Total: 11877

SELECT day\_of\_week, member\_casual

FROM `Cyclistic\_Bike\_Data.April\_2023\_Trip\_Data`

WHERE day\_of\_week = 3 and member\_casual = 'casual'

Total: 15493

SELECT day\_of\_week, member\_casual

FROM `Cyclistic\_Bike\_Data.April\_2023\_Trip\_Data`

WHERE day\_of\_week = 4 and member\_casual = 'casual'

Total: 17983

SELECT day\_of\_week, member\_casual

FROM `Cyclistic\_Bike\_Data.April\_2023\_Trip\_Data`

WHERE day\_of\_week = 5 and member\_casual = 'casual'

Total: 23059

SELECT day\_of\_week, member\_casual

FROM `Cyclistic\_Bike\_Data.April\_2023\_Trip\_Data`

WHERE day\_of\_week = 6 and member\_casual = 'casual'

Total: 25456

SELECT day\_of\_week, member\_casual

FROM `Cyclistic\_Bike\_Data.April\_2023\_Trip\_Data`

WHERE day\_of\_week = 7 and member\_casual = 'casual'

Total: 32153

What story does your data tell?

How do your findings relate to your original question?

Who is your audience? What si the best way to communicate with them?

Can data visualization help you share your findings?

Is your presentation accessible to your audience?