# Showing number of rows

SELECT

count(ride\_id)

FROM `linear-rig-358110.Bikes.January`;

# Showing unigue values

select DISTINCT \*

from `linear-rig-358110.Bikes.January`

ORDER BY started\_at;

# Calculating ride length

select DISTINCT \*, ended\_at - started\_at AS ride\_length

From `linear-rig-358110.Bikes.January`

ORDER BY started\_at ASC;

# Calculating day of week

SELECT DISTINCT \*, ended\_at - started\_at AS ride\_length,

extract(dayofweek from started\_at) AS day\_of\_week

From `linear-rig-358110.Bikes.January`

Order By started\_at ASC;

# Randomly choosen station

SELECT

DISTINCT \*, ended\_at - started\_at AS ride\_length

FROM `linear-rig-358110.Bikes.January`

Where start\_station\_name = "Canal St & Taylor St"

ORDER BY started\_at ASC;

# Checking for nulls and replacing them with None given text

SELECT DISTINCT ride\_id, rideable\_type, started\_at, ended\_at, start\_station\_name,

if(end\_station\_name is NULL, "None give", end\_station\_name) AS end\_station\_name, member\_casual,

ended\_at - started\_at AS ride\_length,

extract(dayofweek from started\_at) AS day\_of\_week

From `linear-rig-358110.Bikes.January`

Where start\_station\_name = "Canal St & Taylor St"

ORDER BY started\_at ASC;

# Replacing day numbers with day names

SELECT Distinct ride\_id, rideable\_type, started\_at, ended\_at, start\_station\_name, if(end\_station\_name is NULL, "None given", end\_station\_name) As end\_station\_name, member\_casual,

ended\_at - started\_at AS ride\_length,

Case When (extract(dayofweek from started\_at)) = 1 Then "Sunday"

When (extract(dayofweek from started\_at)) = 2 Then "Monday"

When (extract(dayofweek from started\_at)) = 3 Then "Tuesday"

When (extract(dayofweek from started\_at)) = 4 Then "Wednesday"

When (extract(dayofweek from started\_at)) = 5 Then "Thursday"

When (extract(dayofweek from started\_at)) = 6 Then "Friday"

ELSE "Saturday" END AS day\_of\_week

 FROM `linear-rig-358110.Bikes.January`

 WHERE start\_station\_name = "Canal St & Taylor St"

 ORDER BY started\_at ASC;

# Joining tables with Union All

SELECT Distinct ride\_id, rideable\_type, started\_at, ended\_at, start\_station\_name, if(end\_station\_name is NULL, "None given", end\_station\_name) As end\_station\_name, member\_casual,

ended\_at - started\_at AS ride\_length,

Case When (extract(dayofweek from started\_at)) = 1 Then "Sunday"

When (extract(dayofweek from started\_at)) = 2 Then "Monday"

When (extract(dayofweek from started\_at)) = 3 Then "Tuesday"

When (extract(dayofweek from started\_at)) = 4 Then "Wednesday"

When (extract(dayofweek from started\_at)) = 5 Then "Thursday"

When (extract(dayofweek from started\_at)) = 6 Then "Friday"

ELSE "Saturday" END AS day\_of\_week

 FROM `linear-rig-358110.Bikes.January`

 WHERE start\_station\_name = "Canal St & Taylor St"

 UNION ALL

SELECT Distinct ride\_id, rideable\_type, started\_at, ended\_at, start\_station\_name, if(end\_station\_name is NULL, "None given", end\_station\_name) As end\_station\_name, member\_casual,

ended\_at - started\_at AS ride\_length,

Case When (extract(dayofweek from started\_at)) = 1 Then "Sunday"

When (extract(dayofweek from started\_at)) = 2 Then "Monday"

When (extract(dayofweek from started\_at)) = 3 Then "Tuesday"

When (extract(dayofweek from started\_at)) = 4 Then "Wednesday"

When (extract(dayofweek from started\_at)) = 5 Then "Thursday"

When (extract(dayofweek from started\_at)) = 6 Then "Friday"

ELSE "Saturday" END AS day\_of\_week

 FROM `linear-rig-358110.Bikes.February`

 WHERE start\_station\_name = "Canal St & Taylor St"

 UNION ALL

SELECT Distinct ride\_id, rideable\_type, started\_at, ended\_at, start\_station\_name, if(end\_station\_name is NULL, "None given", end\_station\_name) As end\_station\_name, member\_casual,

ended\_at - started\_at AS ride\_length,

Case When (extract(dayofweek from started\_at)) = 1 Then "Sunday"

When (extract(dayofweek from started\_at)) = 2 Then "Monday"

When (extract(dayofweek from started\_at)) = 3 Then "Tuesday"

When (extract(dayofweek from started\_at)) = 4 Then "Wednesday"

When (extract(dayofweek from started\_at)) = 5 Then "Thursday"

When (extract(dayofweek from started\_at)) = 6 Then "Friday"

ELSE "Saturday" END AS day\_of\_week

 FROM `linear-rig-358110.Bikes.March`

 WHERE start\_station\_name = "Canal St & Taylor St"

 UNION ALL

SELECT Distinct ride\_id, rideable\_type, started\_at, ended\_at, start\_station\_name, if(end\_station\_name is NULL, "None given", end\_station\_name) As end\_station\_name, member\_casual,

ended\_at - started\_at AS ride\_length,

Case When (extract(dayofweek from started\_at)) = 1 Then "Sunday"

When (extract(dayofweek from started\_at)) = 2 Then "Monday"

When (extract(dayofweek from started\_at)) = 3 Then "Tuesday"

When (extract(dayofweek from started\_at)) = 4 Then "Wednesday"

When (extract(dayofweek from started\_at)) = 5 Then "Thursday"

When (extract(dayofweek from started\_at)) = 6 Then "Friday"

ELSE "Saturday" END AS day\_of\_week

 FROM `linear-rig-358110.Bikes.March`

 WHERE start\_station\_name = "Canal St & Taylor St"

 UNION ALL

SELECT Distinct ride\_id, rideable\_type, started\_at, ended\_at, start\_station\_name, if(end\_station\_name is NULL, "None given", end\_station\_name) As end\_station\_name, member\_casual,

ended\_at - started\_at AS ride\_length,

Case When (extract(dayofweek from started\_at)) = 1 Then "Sunday"

When (extract(dayofweek from started\_at)) = 2 Then "Monday"

When (extract(dayofweek from started\_at)) = 3 Then "Tuesday"

When (extract(dayofweek from started\_at)) = 4 Then "Wednesday"

When (extract(dayofweek from started\_at)) = 5 Then "Thursday"

When (extract(dayofweek from started\_at)) = 6 Then "Friday"

ELSE "Saturday" END AS day\_of\_week

 FROM `linear-rig-358110.Bikes.April`

 WHERE start\_station\_name = "Canal St & Taylor St"

ORDER BY started\_at ASC;