--COUNT of rides by month

SELECT DATE\_TRUNC('month', start\_time) as month\_count, COUNT(\*) as num\_rides

FROM (SELECT \*

FROM baywheels\_2019

UNION

SELECT \*

FROM baywheels\_2018

UNION

SELECT \*

FROM baywheels\_2017) as all\_years

GROUP BY 1

ORDER BY 1;

--Top 5 months on record

SELECT DATE\_TRUNC('month', start\_time) as month\_count, COUNT(\*) as num\_rides

FROM (SELECT \*

FROM baywheels\_2019

UNION

SELECT \*

FROM baywheels\_2018

UNION

SELECT \*

FROM baywheels\_2017) as all\_years

GROUP BY 1

ORDER BY 2 DESC

LIMIT 5;

--AVG monthly rides per year

SELECT DATE\_PART('year', month\_count) as year, ROUND(AVG(num\_rides), 1) AS avg\_monthly\_rides

FROM

(SELECT DATE\_TRUNC('month', start\_time) as month\_count, COUNT(\*) as num\_rides

FROM (SELECT \*

FROM baywheels\_2019

UNION

SELECT \*

FROM baywheels\_2018

UNION

SELECT \*

FROM baywheels\_2017) as all\_years

GROUP BY 1

ORDER BY 1) AS year\_count

GROUP BY 1

ORDER BY 1;

--count of all rides per year

SELECT DATE\_PART('year', start\_time) as year\_count, COUNT(\*) as num\_rides

FROM (SELECT \*

FROM baywheels\_2019

UNION

SELECT \*

FROM baywheels\_2018

UNION

SELECT \*

FROM baywheels\_2017) as all\_years

GROUP BY 1

ORDER BY 1;

--COUNT of all rides

SELECT COUNT(\*) count\_all\_rides

FROM

(SELECT \*

FROM baywheels\_2019

UNION

SELECT \*

FROM baywheels\_2018

UNION

SELECT \*

FROM baywheels\_2017) as all\_years;

--MAX number of rides of the years

SELECT year\_count, num\_rides, MAX(CAST(num\_rides AS decimal)) OVER()

FROM

(SELECT DATE\_PART('year', start\_time) as year\_count, COUNT(\*) as num\_rides

FROM (SELECT \*

FROM baywheels\_2019

UNION

SELECT \*

FROM baywheels\_2018

UNION

SELECT \*

FROM baywheels\_2017) as all\_years

GROUP BY 1

ORDER BY 1) AS year\_count

GROUP BY 1, 2;

--number of bicycles

SELECT COUNT(DISTINCT bike\_id)

FROM

(SELECT \*

FROM baywheels\_2017

UNION

SELECT \*

FROM baywheels\_2018

UNION

SELECT \*

FROM baywheels\_2019) as full\_years

ORDER BY 1;