6/24

**Aggregate excercizes**

SELECT COUNT (\*)  
FROM da\_pronto.trip  
  
SELECT COUNT (\*), sum(tripduration)  
FROM da\_pronto.trip  
  
SELECT to\_station\_name, COUNT (\*), sum(tripduration) as SumTripDur  
FROM da\_pronto.trip  
GROUP BY to\_station\_name  
  
  
SELECT to\_station\_name, COUNT (\*), sum(tripduration) as SumTripDur  
FROM da\_pronto.trip  
GROUP BY to\_station\_name  
ORDER BY SumTripDur ASC

**Apply multiple aggregation functions**

SELECT unique\_carrier, count (\*)

FROM public.airline\_on\_time\_west\_coast

GROUP BY unique\_carrier

SELECT unique\_carrier, count (flight\_num)

FROM public.airline\_on\_time\_west\_coast

GROUP BY unique\_carrier

ORDER BY count (flight\_num) ASC

SELECT unique\_carrier, SUM(arrival\_delay)

FROM public.airline\_on\_time\_west\_coast

GROUP BY unique\_carrier

SELECT unique\_carrier, AVG(arrival\_delay)

FROM public.airline\_on\_time\_west\_coast

GROUP BY unique\_carrier

ORDER BY AVG(arrival\_delay) DESC

SELECT origin, unique\_carrier, AVG(arrival\_delay),MIN(arrival\_delay), MAX(arrival\_delay)

FROM public.airline\_on\_time\_west\_coast

GROUP BY origin, unique\_carrier

ORDER BY AVG(arrival\_delay) DESC

SELECT unique\_carrier, MIN(arrival\_delay)

FROM public.airline\_on\_time\_west\_coast

GROUP BY origin, unique\_carrier

ORDER BY MIN(arrival\_delay) ASC

SELECT origin, unique\_carrier, AVG(arrival\_delay)

FROM public.airline\_on\_time\_west\_coast

GROUP BY origin, unique\_carrier

ORDER BY origin, AVG(arrival\_delay) ASC