**SQL Drills**

**sgdjones**

**1.2.3**

Let's confirm some of this new knowledge with a few basic exercises. Write SQL queries to return:

* The IDs and durations for all trips of duration greater than 500, ordered by duration.
* Every column of the stations table for station id 84.
* The min temperatures of all the occurrences of rain in zip 94301.

1. The IDs and durations for all trips of duration greater than 500, ordered by duration.

SELECT trip\_id

FROM trips

WHERE duration > 500

ORDER BY duration;

1. Every column of the stations table for station id 84.

SELECT \*

FROM stations

WHERE station\_id = 84;

1. The min temperatures of all the occurrences of rain in zip 94301.

SELECT mintemperaturef, events

FROM weather

WHERE events = 'Rain'

AND zip = 94301;

**1.2.4**

**Drills**

1. What was the hottest day in our data set? Where was that?

SELECT zip, MAX(maxtemperaturef)

FROM weather

GROUP BY 1;

1. How many trips started at each station?

SELECT start\_station, COUNT(start\_station)

FROM trips

GROUP BY 1;

1. What's the shortest trip that happened?

SELECT MIN(duration)

FROM trips;

1. What is the average trip duration, by end station?

SELECT end\_station, AVG(duration)

FROM trips

GROUP BY end\_station;