Fred started the assignment and sent me his work on github

HW_Cain / SQL_Assignment.Rmd

Frederick Cain Added Problem 1 of SQL assignment

Code Blame 18 lines (14 loc) · 277 Bytes Raw

```
---
title: "SQL Assignment"
author: "Frederick Cain"
date: "2025-03-23"
output: html_document
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```{r setup, include=FALSE}
knitr::opts_chunk$set(echo = TRUE)
```

```{sql, eval=FALSE}
SELECT origin, AVG(temp) AS mean_temperature
FROM flights.weather
GROUP BY origin;
```
```

We worked together on the second two problems

Input and output for 1-3

1)

```
SELECT origin, AVG(temp) AS mean_temperature
  FROM flights.weather
  GROUP BY origin;
```

	origin	mean_temperature
1	JFK	54.4721502412
2	LGA	55.7626050999
3	EWR	55.5465525167

2)

```
WITH daily_counts AS (
  SELECT origin, day, COUNT(*) AS flights_per_day
  FROM flights
  WHERE month = 1
  GROUP BY origin, day
)
SELECT origin, AVG(flights_per_day) AS avg_flights_per_day
FROM daily_counts
GROUP BY origin;
```

	origin	avg_flights_per_day
1	JFK	295.5161290323
2	EWR	319.1290322581
3	LGA	256.4516129032

3)

```sql
WITH ranked_destinations AS (
    SELECT
      origin,
      dest,
      COUNT(*) AS flight_count,
      RANK() OVER (PARTITION BY origin ORDER BY COUNT(*) DESC) AS rank
    FROM flights.flights
    GROUP BY origin, dest
  )
  SELECT origin, dest, flight_count
  FROM ranked_destinations
  WHERE rank = 1;
```

	origin	dest	flight_count
1	JFK	LAX	11,262
2	EWR	ORD	6,100
3	LGA	ATL	10,263