For this assignment, you will query and analyze flights data to inform a business decision.

Imagine that you have been hired as a data analyst for a company that plans to disrupt the airline industry by building an underground high-speed passenger rail tunnel. The company needs your help to decide which two major United States airports this tunnel should connect. The distance between the airports must be within a specified range, and the airports must have a large volume of air travelers flying between them in both directions. The company believes that these air travelers can be persuaded to switch to high-speed rail because of frustratingly long flight delays.

You must write a SQL statement and analyze the result to recommend which two airports this rail tunnel should connect. Then you must create and upload a document describing the SQL statement you ran and the tunnel route you recommend.

21.39s fly text ?

```sql
SELECT
    origin AS Origin,
    dest AS Destination,
    AVG(distance) AS Avg_Distance,
    ROUND(COUNT(flight)/10) AS Avg_Annual_Num_of_Flights,
    ROUND(SUM(seats)/10) AS Avg_Annual_Seat_Capacity,
    ROUND(AVG(arr_delay)) AS Avg_Delay
FROM flights f
LEFT OUTER JOIN planes p
ON f.tailnum = p.tailnum
WHERE 300 <= f.distance AND f.distance <= 400
GROUP BY Origin, Destination
HAVING Avg_Annual_Num_of_Flights >= 5000
ORDER BY Avg_Annual_Seat_Capacity DESC
LIMIT 10;
```

Query History Saved Queries Results (10)

	origin	destination	avg_distance	avg_annual_num_of_flights	avg_annual_seat_capacity	avg_delay
1	SFO	LAX	337	14712	1996597	10
2	LAX	SFO	337	14540	1981059	14
3	PHX	LAX	370	8662	1219235	6
4	LAX	PHX	370	8650	1210173	6
5	PHX	SAN	304	6200	1067278	5
6	SAN	PHX	304	6216	1060204	4
7	SLC	DEN	390.62256309128577	8012	920919	4
8	DEN	SLC	390.62220888981636	7667	893437	6
9	BOS	DCA	399	8484	867688	1
10	DCA	BOS	399	8493	864009	4