

Screenshots of dashboard

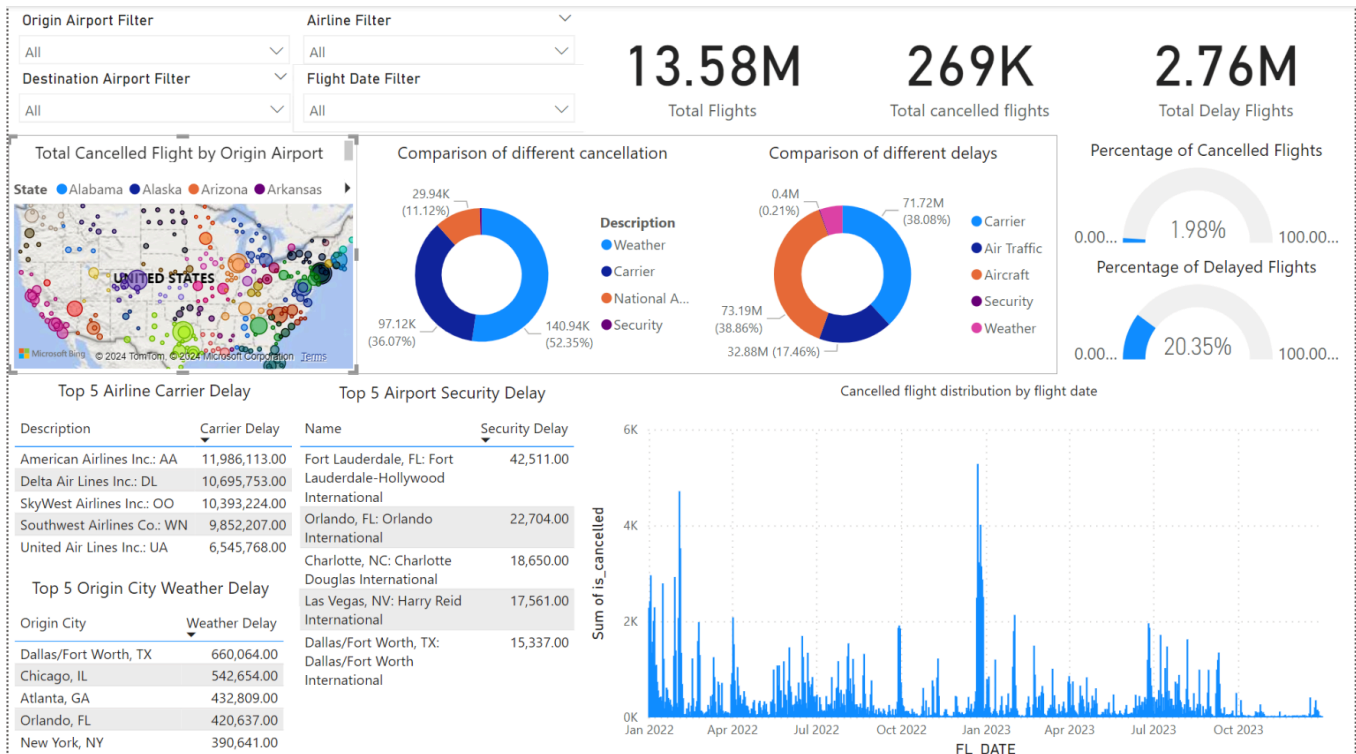


Figure 1: Overview dashboard(includes all flight data from 2022 - 2023)

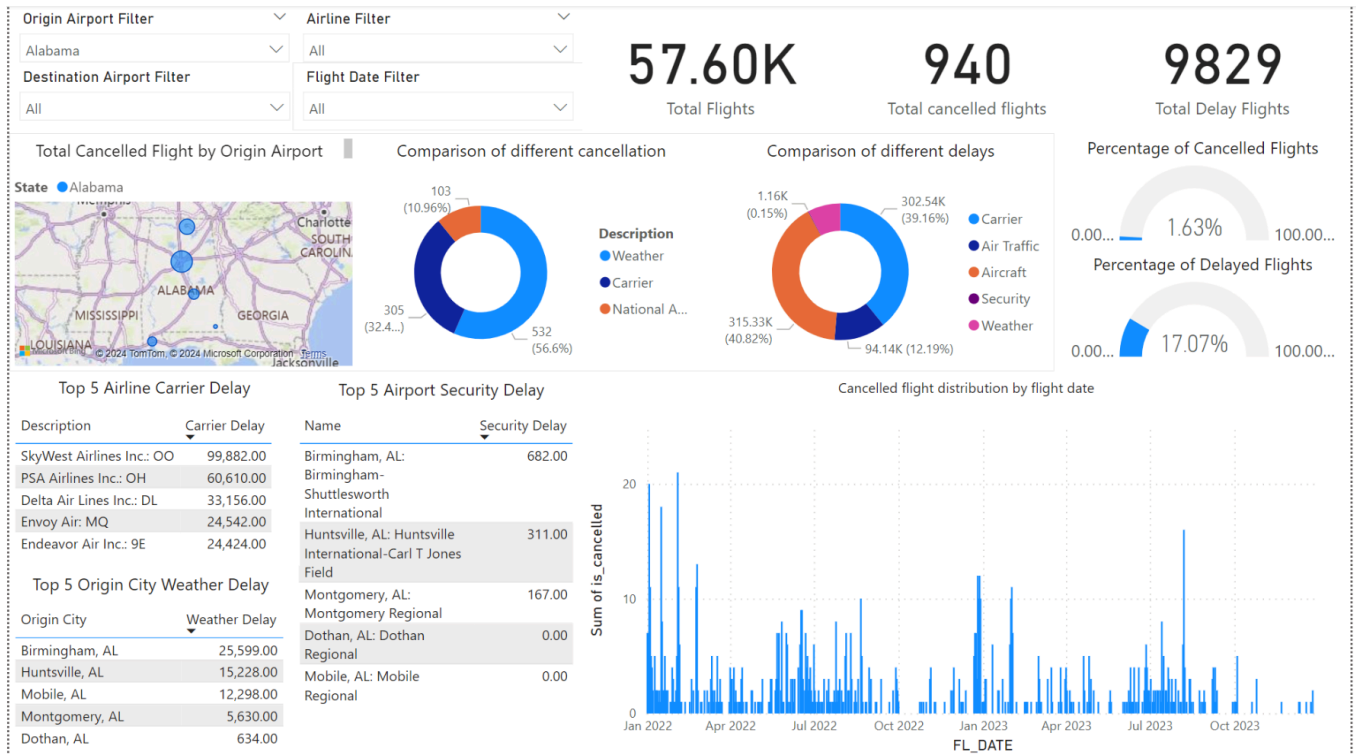


Figure 2: Slice operation on dashboard(Origin Airport State = "Alabama")

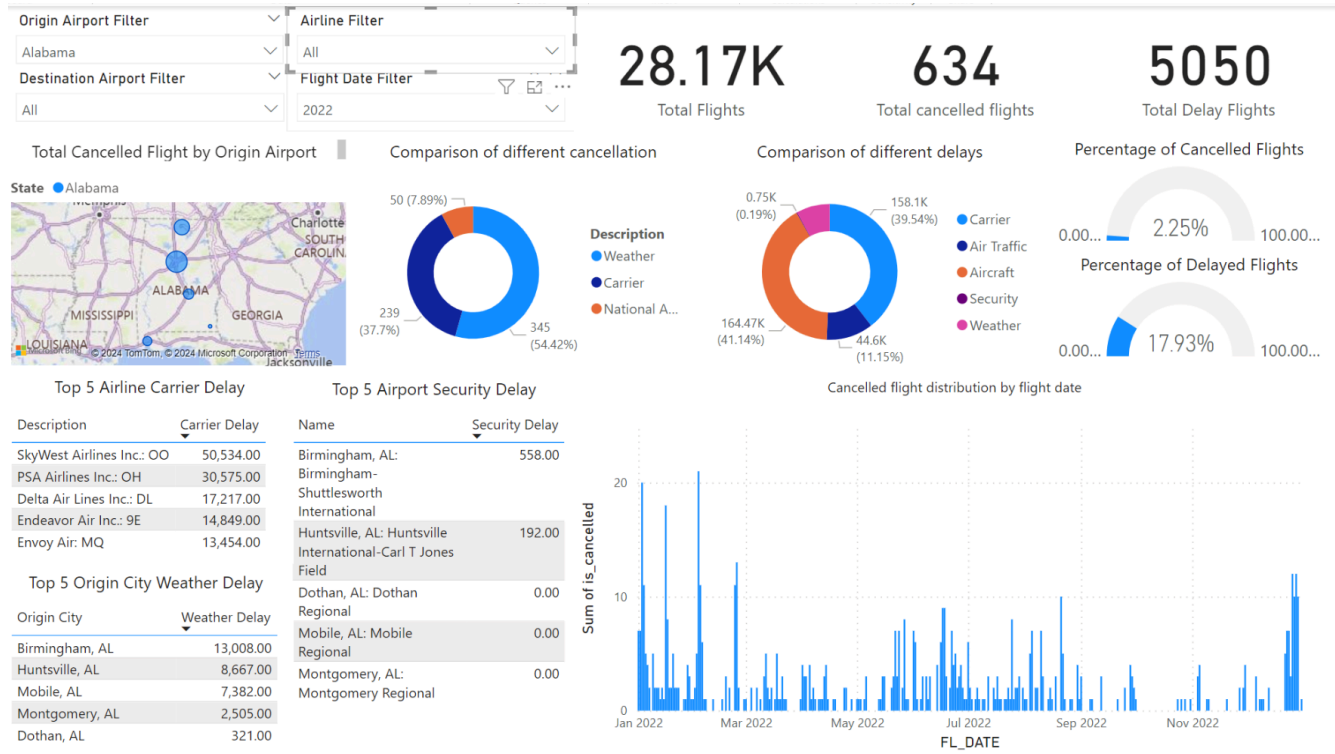


Figure 3: Dice Operation on dashboard(Origin Airport State = "Alabama & Year = 2022)

Top 5 Airline Carrier Delay		Top 5 Airport Security Delay	
Description	Carrier Delay	Name	Security Delay
American Airlines Inc.: AA	11,986,113.00	Fort Lauderdale, FL: Fort Lauderdale-Hollywood International	42,511.00
Delta Air Lines Inc.: DL	10,695,753.00	Orlando, FL: Orlando International	22,704.00
SkyWest Airlines Inc.: OO	10,393,224.00	Charlotte, NC: Charlotte Douglas International	18,650.00
Southwest Airlines Co.: WN	9,852,207.00	Las Vegas, NV: Harry Reid International	17,561.00
United Air Lines Inc.: UA	6,545,768.00	Dallas/Fort Worth, TX: Dallas/Fort Worth International	15,337.00
Top 5 Origin City Weather Delay			
Origin City	Weather Delay		
Dallas/Fort Worth, TX	660,064.00		
Chicago, IL	542,654.00		
Atlanta, GA	432,809.00		
Orlando, FL	420,637.00		
New York, NY	390,641.00		

Figure 4: Iceberg queries(Top 5)

OLAP Queries

Part 1:

a. Drill down (State, City, Airport):

```
(  
CREATE OR REPLACE VIEW  
"Staging".cancellation_flight_counts_by_state_city_airport_view  
AS  
SELECT o."State",  
       o."City",  
       o."Name" AS airport_name,  
       count(*) AS cancellation_count  
FROM "Staging".fact_table f  
      JOIN "Staging".dim_origin_airport o ON f."Origin Airport Surrogate Key" = o."Origin  
Airport Surrogate Key"  
WHERE f.is_cancelled = 1  
GROUP BY o."State", o."City", o."Name"  
ORDER BY o."State", o."City", o."Name";  
)
```

	State character varying	City character varying	airport_name character varying	cancellation_count bigint
9	Alaska	Bethel, AK	Bethel, AK: Bethel Airport	38
10	Alaska	Cordova, AK	Cordova, AK: Merle K Mudhole Smith	41
11	Alaska	Deadhorse, AK	Deadhorse, AK: Deadhorse Airport	18
12	Alaska	Dillingham, AK	Dillingham, AK: Dillingham Airport	40
13	Alaska	Fairbanks, AK	Fairbanks, AK: Fairbanks International	147
14	Alaska	Gustavus, AK	Gustavus, AK: Gustavus Airport	4
15	Alaska	Juneau, AK	Juneau, AK: Juneau International	219
16	Alaska	Ketchikan, AK	Ketchikan, AK: Ketchikan International	107
17	Alaska	King Salmon, AK	King Salmon, AK: King Salmon Airport	34
18	Alaska	Kodiak, AK	Kodiak, AK: Kodiak Airport	68
19	Alaska	Kotzebue, AK	Kotzebue, AK: Ralph Wien Memorial	75
20	Alaska	Nome, AK	Nome, AK: Nome Airport	64
21	Alaska	Petersburg, AK	Petersburg, AK: Petersburg James A Johnson	42
22	Alaska	Sitka, AK	Sitka, AK: Sitka Rocky Gutierrez	74
23	Alaska	Wrangell, AK	Wrangell, AK: Wrangell Airport	30
Total rows: 369 of 369 Query complete 00:00:01.985				

Roll up (Month, Quarter, Year):

```
(  
CREATE OR REPLACE VIEW  
"Staging".cancellation_flight_counts_by_month_quarter_year_rollup_view  
AS  
SELECT fd."YEAR",
```

```

fd."Quarter",
fd."MONTH",
GROUPING(fd."YEAR", fd."Quarter", fd."MONTH") AS "grouping",
count(*) AS cancellation_count
FROM "Staging".fact_table f
JOIN "Staging".dim_flight_date fd ON f."Flight Date Surrogate Key" = fd."Flight Date
ID"
WHERE f.is_cancelled = 1
GROUP BY ROLLUP(fd."YEAR", fd."Quarter", fd."MONTH")
ORDER BY fd."YEAR", fd."Quarter", fd."MONTH";
)

```

Data Output Messages Notifications						
	YEAR integer	Quarter integer	MONTH integer	grouping integer	cancellation_count bigint	
1	2022	1	1	0	33256	
2	2022	1	2	0	21736	
3	2022	1	3	0	8742	
4	2022	1	[null]	1	63734	
5	2022	2	4	0	13042	
6	2022	2	5	0	11385	
7	2022	2	6	0	17876	
8	2022	2	[null]	1	42303	
9	2022	3	7	0	10546	
10	2022	3	8	0	14401	
11	2022	3	9	0	8699	
12	2022	3	[null]	1	33646	
13	2022	4	10	0	4832	
14	2022	4	11	0	6189	
15	2022	4	12	0	30582	

b. Slice (Airline = 'Hawaiian Airlines Inc.: HA'):

```

(
CREATE OR REPLACE VIEW "Staging".slice_table_hawaiian_airline_view
AS
SELECT f."Fact Table ID",

```

```

f."Cancellation Surrogate Key",
f."Flight Date Surrogate Key",
f."Airline Surrogate Key",
f."Aircraft Surrogate Key",
f."Origin Airport Surrogate Key",
f."Destination Airport Surrogate Key",
f."DISTANCE",
f."CRS_ELAPSED_TIME",
f."ACTUAL_ELAPSED_TIME",
f."AIR_TIME",
f."CARRIER_DELAY",
f."WEATHER_DELAY",
f."NAS_DELAY",
f."SECURITY_DELAY",
f."LATE_AIRCRAFT_DELAY",
f.is_cancelled,
f.total_delay,
da."Description" AS airline
FROM "Staging".fact_table f
JOIN "Staging".dim_airline da ON f."Airline Surrogate Key" = da."Airline ID"
WHERE da."Description"::text = 'Hawaiian Airlines Inc.: HA'::text;
)

```

		CRS_ELAPSED_TIME numeric	ACTUAL_ELAPSED_TIME numeric	AIR_TIME numeric	CARRIER_DELAY numeric	WEATHER_DELAY numeric	NAS_DELAY numeric	SECURITY_DELAY numeric	LATE_AIRCRAFT_DELAY numeric	is_cancelled integer	total_delay integer	airline character varying	
1	216	52	0	0	0	0	0	0	0	0	1	0	Hawaiian Airlines Inc.: HA
2	102	35	0	0	0	0	0	0	0	0	1	0	Hawaiian Airlines Inc.: HA
3	163	46	0	0	0	0	0	0	0	0	1	0	Hawaiian Airlines Inc.: HA
4	100	38	0	0	0	0	0	0	0	0	1	0	Hawaiian Airlines Inc.: HA
5	100	40	0	0	0	0	0	0	0	0	1	0	Hawaiian Airlines Inc.: HA
6	163	46	0	0	0	0	0	0	0	0	1	0	Hawaiian Airlines Inc.: HA
7	163	46	0	0	0	0	0	0	0	0	1	0	Hawaiian Airlines Inc.: HA
8	216	54	0	0	0	0	0	0	0	0	1	0	Hawaiian Airlines Inc.: HA
9	216	55	0	0	0	0	0	0	0	0	1	0	Hawaiian Airlines Inc.: HA
10	216	55	0	0	0	0	0	0	0	0	1	0	Hawaiian Airlines Inc.: HA
11	102	35	0	0	0	0	0	0	0	0	1	0	Hawaiian Airlines Inc.: HA
12	216	55	0	0	0	0	0	0	0	0	1	0	Hawaiian Airlines Inc.: HA
13	163	48	0	0	0	0	0	0	0	0	1	0	Hawaiian Airlines Inc.: HA
14	163	48	0	0	0	0	0	0	0	0	1	0	Hawaiian Airlines Inc.: HA

c. Dice (Airline = 'United Air Lines Inc.: UA', airport = 'Phoenix, AZ: Phoenix Sky Harbor International'):

```

(
CREATE OR REPLACE VIEW "Staging".dice_table_airline_airport_view
AS
SELECT f."Fact Table ID",
f."Cancellation Surrogate Key",
f."Flight Date Surrogate Key",
f."Airline Surrogate Key",

```

```

f."Aircraft Surrogate Key",
f."Origin Airport Surrogate Key",
f."Destination Airport Surrogate Key",
f."DISTANCE",
f."CRS_ELAPSED_TIME",
f."ACTUAL_ELAPSED_TIME",
f."AIR_TIME",
f."CARRIER_DELAY",
f."WEATHER_DELAY",
f."NAS_DELAY",
f."SECURITY_DELAY",
f."LATE_AIRCRAFT_DELAY",
f.is_cancelled,
f.total_delay,
da."Description" AS airline,
doa."Name" AS airport
FROM "Staging".fact_table f
  JOIN "Staging".dim_airline da ON f."Airline Surrogate Key" = da."Airline ID"
  JOIN "Staging".dim_origin_airport doa ON f."Origin Airport Surrogate Key" =
doa."Origin Airport Surrogate Key"
WHERE da."Description"::text = 'United Air Lines Inc.: UA'::text AND doa."Name"::text
= 'Phoenix, AZ: Phoenix Sky Harbor International'::text;
)

```

	UPSED_TIME	AIR_TIME	CARRIER_DELAY	WEATHER_DELAY	NAS_DELAY	SECURITY_DELAY	LATE_AIRCRAFT_DELAY	is_cancelled	total_delay	airline	airport
		numeric	numeric	numeric	numeric	numeric	numeric	integer	integer	character varying	character varying
1	0	0	0	0	0	0	0	0	1	0	United Air Lines Inc.: UA
2	0	0	0	0	0	0	0	0	1	0	United Air Lines Inc.: UA
3	0	0	0	0	0	0	0	0	1	0	United Air Lines Inc.: UA
4	0	0	0	0	0	0	0	0	1	0	United Air Lines Inc.: UA
5	0	0	0	0	0	0	0	0	1	0	United Air Lines Inc.: UA
6	0	0	0	0	0	0	0	0	1	0	United Air Lines Inc.: UA
7	251	228	0	0	0	0	0	0	0	0	United Air Lines Inc.: UA
8	153	129	0	0	0	0	0	0	0	0	United Air Lines Inc.: UA
9	125	88	0	0	14	0	77	0	91	0	United Air Lines Inc.: UA
10	97	77	0	0	0	0	0	0	0	0	United Air Lines Inc.: UA
11	262	229	0	0	0	0	0	0	0	0	United Air Lines Inc.: UA
12	139	118	0	0	0	0	0	0	0	0	United Air Lines Inc.: UA
13	237	93	0	0	128	0	20	0	148	0	United Air Lines Inc.: UA
14	150	85	0	0	34	0	0	0	34	0	United Air Lines Inc.: UA

Dice (Airline = 'United Air Lines Inc.: UA', YEAR = 2023 AND Quarter = 1):

```

(
CREATE OR REPLACE VIEW "Staging".dice_table_date_airline_view
AS
SELECT f."Fact Table ID",
  f."Cancellation Surrogate Key",
  f."Flight Date Surrogate Key",
  f."Airline Surrogate Key",

```

```

f."Aircraft Surrogate Key",
f."Origin Airport Surrogate Key",
f."Destination Airport Surrogate Key",
f."DISTANCE",
f."CRS_ELAPSED_TIME",
f."ACTUAL_ELAPSED_TIME",
f."AIR_TIME",
f."CARRIER_DELAY",
f."WEATHER_DELAY",
f."NAS_DELAY",
f."SECURITY_DELAY",
f."LATE_AIRCRAFT_DELAY",
f.is_cancelled,
f.total_delay,
da."Description" AS airline,
fd."YEAR",
fd."Quarter"
FROM "Staging".fact_table f
JOIN "Staging".dim_airline da ON f."Airline Surrogate Key" = da."Airline ID"
JOIN "Staging".dim_flight_date fd ON f."Flight Date Surrogate Key" = fd."Flight Date
ID"
WHERE da."Description"::text = 'United Air Lines Inc.: UA'::text AND fd."YEAR" = 2023
AND fd."Quarter" = 1;
)

```

	ACTUAL_ELAPSED_TIME numeric	AIR_TIME numeric	CARRIER_DELAY numeric	WEATHER_DELAY numeric	NAS_DELAY numeric	SECURITY_DELAY numeric	LATE_AIRCRAFT_DELAY numeric	is_cancelled integer	total_delay integer	airline character varying	YEAR integer	Quarter integer
1	168	0	0	0	0	0	0	1	0	United Air Lines Inc.: UA	2023	1
2	174	0	0	0	0	0	0	1	0	United Air Lines Inc.: UA	2023	1
3	91	0	0	0	0	0	0	1	0	United Air Lines Inc.: UA	2023	1
4	96	0	0	0	0	0	0	1	0	United Air Lines Inc.: UA	2023	1
5	155	0	0	0	0	0	0	1	0	United Air Lines Inc.: UA	2023	1
6	101	0	0	0	0	0	0	1	0	United Air Lines Inc.: UA	2023	1
7	149	0	0	0	0	0	0	1	0	United Air Lines Inc.: UA	2023	1
8	207	0	0	0	0	0	0	1	0	United Air Lines Inc.: UA	2023	1
9	193	0	0	0	0	0	0	1	0	United Air Lines Inc.: UA	2023	1
0	174	0	0	0	0	0	0	1	0	United Air Lines Inc.: UA	2023	1
1	134	0	0	0	0	0	0	1	0	United Air Lines Inc.: UA	2023	1
2	90	0	0	0	0	0	0	1	0	United Air Lines Inc.: UA	2023	1
3	84	0	0	0	0	0	0	1	0	United Air Lines Inc.: UA	2023	1
4	113	0	0	0	0	0	0	1	0	United Air Lines Inc.: UA	2023	1

d. Combining OLAP operations:

Compare cancellation counts of different origin airports by quarter, year:

```

(
CREATE OR REPLACE VIEW
"Staging".cancellation_flight_count_by_airport_quarter_year_view
AS
SELECT fd."YEAR",
       fd."Quarter",

```

```

doa."Name",
count(*) AS cancellation_count
FROM "Staging".fact_table f
JOIN "Staging".dim_origin_airport doa ON f."Origin Airport Surrogate Key" =
doa."Origin Airport Surrogate Key"
JOIN "Staging".dim_flight_date fd ON f."Flight Date Surrogate Key" = fd."Flight Date
ID"
WHERE f.is_cancelled = 1
GROUP BY fd."YEAR", fd."Quarter", doa."Name"
ORDER BY fd."YEAR", fd."Quarter", doa."Name";
)

```

	YEAR integer	Quarter integer	Name character varying	cancellation_count bigint
1	2022	1	Aberdeen, SD: Aberdeen Regional	4
2	2022	1	Abilene, TX: Abilene Regional	26
3	2022	1	Adak Island, AK: Adak	3
4	2022	1	Aguadilla, PR: Rafael Hernandez	22
5	2022	1	Akron, OH: Akron-Canton Regional	28
6	2022	1	Alamosa, CO: San Luis Valley Regional/Bergman Field	20
7	2022	1	Albany, GA: Southwest Georgia Regional	2
8	2022	1	Albany, NY: Albany International	176
9	2022	1	Albuquerque, NM: Albuquerque International Sunport	147
10	2022	1	Alexandria, LA: Alexandria International	22
11	2022	1	Allentown/Bethlehem/Easton, PA: Lehigh Valley International	46
12	2022	1	Alpena, MI: Alpena County Regional	13
13	2022	1	Amarillo, TX: Rick Husband Amarillo International	58
14	2022	1	Anchorage, AK: Ted Stevens Anchorage International	176
15	2022	1	Appleton, WI: Appleton International	31

Compare cancellation counts of different airlines by quarter, year:

```

(
CREATE OR REPLACE VIEW
"Staging".cancellation_flight_counts_by_airline_month_year_view
AS
SELECT fd."YEAR",
fd."Quarter",
da."Description",
count(*) AS cancellation_count
FROM "Staging".fact_table f
JOIN "Staging".dim_airline da ON f."Airline Surrogate Key" = da."Airline ID"
JOIN "Staging".dim_flight_date fd ON f."Flight Date Surrogate Key" = fd."Flight Date
ID"
WHERE f.is_cancelled = 1
GROUP BY fd."YEAR", fd."Quarter", da."Description"
)

```


ORDER BY fd."YEAR", fd."Quarter", da."Description";
)

	YEAR integer	Quarter integer	Description character varying	cancellation_count bigint
1	2022	1	Alaska Airlines Inc.: AS	1759
2	2022	1	Allegiant Air: G4	1850
3	2022	1	American Airlines Inc.: AA	9071
4	2022	1	Delta Air Lines Inc.: DL	3565
5	2022	1	Endeavor Air Inc.: 9E	2458
6	2022	1	Envoy Air: MQ	3092
7	2022	1	Frontier Airlines Inc.: F9	1603
8	2022	1	Hawaiian Airlines Inc.: HA	252
9	2022	1	Horizon Air: QX	667
10	2022	1	JetBlue Airways: B6	3771
11	2022	1	Mesa Airlines Inc.: YV	2234
12	2022	1	PSA Airlines Inc.: OH	3267
13	2022	1	Republic Airline: YX	5194
14	2022	1	SkyWest Airlines Inc.: OO	7095
15	2022	1	Southwest Airlines Co.: WN	12275

Compare total delay of different origin airports by quarter, year:

```
(
CREATE OR REPLACE VIEW "Staging".total_delay_by_airport_quarter_year_view
AS
SELECT fd."YEAR",
       fd."Quarter",
       doa."Name",
       sum(f.total_delay) AS total_delay
FROM "Staging".fact_table f
     JOIN "Staging".dim_origin_airport doa ON f."Origin Airport Surrogate Key" =
doa."Origin Airport Surrogate Key"
     JOIN "Staging".dim_flight_date fd ON f."Flight Date Surrogate Key" = fd."Flight Date
ID"
GROUP BY fd."YEAR", fd."Quarter", doa."Name"
ORDER BY fd."YEAR", fd."Quarter", doa."Name";
```

)

	YEAR integer	Quarter integer	Name character varying	total_delay bigint
1	2022	1	Aberdeen, SD: Aberdeen Regional	3818
2	2022	1	Abilene, TX: Abilene Regional	2802
3	2022	1	Adak Island, AK: Adak	300
4	2022	1	Aguadilla, PR: Rafael Hernandez	15312
5	2022	1	Akron, OH: Akron-Canton Regional	9956
6	2022	1	Alamosa, CO: San Luis Valley Regional/Bergman Field	1660
7	2022	1	Albany, GA: Southwest Georgia Regional	2460
8	2022	1	Albany, NY: Albany International	50991
9	2022	1	Albuquerque, NM: Albuquerque International Sunport	49730
10	2022	1	Alexandria, LA: Alexandria International	5683
11	2022	1	Allentown/Bethlehem/Easton, PA: Lehigh Valley International	12592
12	2022	1	Alpena, MI: Alpena County Regional	3819
13	2022	1	Amarillo, TX: Rick Husband Amarillo International	9533
14	2022	1	Anchorage, AK: Ted Stevens Anchorage International	44397
15	2022	1	Appleton, WI: Appleton International	19269
Total rows: 1000 of 2819		Querv complete 00:00:02.960		

Compare total delay of different airlines by quarter, year:

```
(
CREATE OR REPLACE VIEW "Staging".total_delay_by_airline_quarter_year_view
AS
SELECT fd."YEAR",
       fd."Quarter",
       da."Description" AS airline,
       sum(f.total_delay) AS total_delay
FROM "Staging".fact_table f
     JOIN "Staging".dim_airline da ON f."Airline Surrogate Key" = da."Airline ID"
     JOIN "Staging".dim_flight_date fd ON f."Flight Date Surrogate Key" = fd."Flight Date
ID"
GROUP BY fd."YEAR", fd."Quarter", da."Description"
ORDER BY fd."YEAR", fd."Quarter", da."Description";
)
```

	YEAR integer	Quarter integer	airline character varying	total_delay bigint
1	2022	1	Alaska Airlines Inc.: AS	471695
2	2022	1	Allegiant Air: G4	581080
3	2022	1	American Airlines Inc.: AA	2510802
4	2022	1	Delta Air Lines Inc.: DL	2165345
5	2022	1	Endeavor Air Inc.: 9E	747330
6	2022	1	Envoy Air: MQ	580412
7	2022	1	Frontier Airlines Inc.: F9	791947
8	2022	1	Hawaiian Airlines Inc.: HA	126655
9	2022	1	Horizon Air: QX	204786
10	2022	1	JetBlue Airways: B6	1641959
11	2022	1	Mesa Airlines Inc.: YV	496684
12	2022	1	PSA Airlines Inc.: OH	945246
13	2022	1	Republic Airline: YX	1082704
14	2022	1	SkyWest Airlines Inc.: OO	2640657
15	2022	1	Southwest Airlines Co.: WN	3068740
Total rows: 128 of 128			Query complete 00:00:02.840	

Part 2:

a. Iceberg queries (Top 5 weather delay airports):

```
(
CREATE OR REPLACE VIEW "Staging".total_weather_delay_by_airport_view
AS
SELECT doa."Name",
       sum(f."WEATHER_DELAY") AS total_weather_delay
FROM "Staging".fact_table f
JOIN "Staging".dim_origin_airport doa ON f."Origin Airport Surrogate Key" =
doa."Origin Airport Surrogate Key"
GROUP BY doa."Name"
ORDER BY (sum(f."WEATHER_DELAY")) DESC
LIMIT 5;
)
```

	Name character varying	total_weather_delay numeric
1	Dallas/Fort Worth, TX: Dallas/Fort Worth International	652506
2	Chicago, IL: Chicago O'Hare International	458647
3	Atlanta, GA: Hartsfield-Jackson Atlanta International	425359
4	Orlando, FL: Orlando International	419076
5	Charlotte, NC: Charlotte Douglas International	355239

b. Windowing queries (Ranking airlines by security delay):

```
(
CREATE OR REPLACE VIEW "Staging".total_security_delay_by_airline_rank_view
AS
SELECT da."Description",
       sum(f."SECURITY_DELAY") AS total_security_delay,
       rank() OVER (ORDER BY (sum(f."SECURITY_DELAY"))) DESC) AS rank
FROM "Staging".fact_table f
      JOIN "Staging".dim_airline da ON f."Airline Surrogate Key" = da."Airline ID"
GROUP BY da."Description";
```

	Description character varying	total_security_delay numeric	rank bigint
1	Southwest Airlines Co....	85935	1
2	Spirit Air Lines: NK	66574	2
3	American Airlines Inc.:...	59553	3
4	SkyWest Airlines Inc.: ...	38662	4
5	Alaska Airlines Inc.: AS	29152	5
6	JetBlue Airways: B6	26394	6
7	Delta Air Lines Inc.: DL	18122	7
8	Allegiant Air: G4	16746	8
9	PSA Airlines Inc.: OH	12341	9
10	Envoy Air: MQ	9199	10
11	Hawaiian Airlines Inc.: ...	6512	11
12	Republic Airline: YX	5295	12
13	United Air Lines Inc.: UA	2995	13
14	Horizon Air: QX	2800	14
15	Endeavor Air Inc.: 9E	1936	15

) Total rows: 17 of 17 Query complete 00:00:02.481

c. Using the Windowing clause(moving average total delay):

```
(
CREATE OR REPLACE VIEW "Staging".moving_ave_total_delay_by_airline_year_month_view
AS
SELECT da."Description",
       fd."YEAR",
       fd."MONTH",
       sum(f.total_delay) AS total_delay,
       avg(sum(f.total_delay)) OVER w AS movavg
FROM "Staging".fact_table f
  JOIN "Staging".dim_airline da ON f."Airline Surrogate Key" = da."Airline ID"
  JOIN "Staging".dim_flight_date fd ON f."Flight Date Surrogate Key" = fd."Flight Date ID"
GROUP BY da."Description", fd."YEAR", fd."MONTH"
WINDOW w AS (PARTITION BY da."Description", fd."YEAR" ORDER BY (to_date(((fd."YEAR"
|| '-'::text) || fd."MONTH") || '-01'::text, 'YYYY-MM-DD'::text)) RANGE BETWEEN '1 mon'::interval
PRECEDING AND '1 mon'::interval FOLLOWING);
)
```

	Description character varying	YEAR integer	MONTH integer	total_delay bigint	movavg numeric
1	Alaska Airlines Inc.: AS	2022	1	190289	157036.500000000000
2	Alaska Airlines Inc.: AS	2022	2	123784	157231.666666666667
3	Alaska Airlines Inc.: AS	2022	3	157622	166581.666666666667
4	Alaska Airlines Inc.: AS	2022	4	218339	181247.000000000000
5	Alaska Airlines Inc.: AS	2022	5	167780	190828.333333333333
6	Alaska Airlines Inc.: AS	2022	6	186366	177216.000000000000
7	Alaska Airlines Inc.: AS	2022	7	177502	182151.333333333333
8	Alaska Airlines Inc.: AS	2022	8	182586	170625.666666666667
9	Alaska Airlines Inc.: AS	2022	9	151789	154843.666666666667
10	Alaska Airlines Inc.: AS	2022	10	130156	165085.333333333333
11	Alaska Airlines Inc.: AS	2022	11	213311	250433.000000000000
12	Alaska Airlines Inc.: AS	2022	12	407832	310571.500000000000
13	Alaska Airlines Inc.: AS	2023	1	211052	211903.500000000000
14	Alaska Airlines Inc.: AS	2023	2	212755	213313.000000000000
15	Alaska Airlines Inc.: AS	2023	3	216132	209194.666666666667

Total rows: 369 of 369 Query complete 00:00:02.856