

<postgres> Airline Flight data.sql Tuesday, September 24, 2024, 8:24 PM

```
CREATE TABLE kelchen_july(  
    YEAR INT,  
    MONTH INT,  
    DAY_OF_MONTH INT,  
    OP_CARRIER_AIRLINE_ID INT,  
    ORIGIN VARCHAR(5),  
    DEST VARCHAR(5),  
    DEP_DEL15 FLOAT,  
    ARR_DEL15 FLOAT,  
    CANCELLED FLOAT  
);
```

```
SELECT aws_s3.table_import_from_s3(  
    'kelchen_july',  
    'YEAR, MONTH, DAY_OF_MONTH, OP_CARRIER_AIRLINE_ID, ORIGIN, DEST,  
    DEP_DEL15, ARR_DEL15, CANCELLED',  
    '(format csv, header false)',  
    'data-54000-kelchen-airlinedata',  
    'Kelchen-su242-July-2014.csv',  
    'us-east-1',  
    'AKIA4MTWMSZSLA3DN2WM',  
    'aQUsZD81s8sK9x88+FyJZAI/08V0nlSYT9BRt0Nw',  
    ''  
);
```

```
SELECT COUNT(*) FROM kelchen_july;
```

```
SELECT COUNT(*) FROM kelchen_july  
WHERE ORIGIN = 'ORD' AND DEST = 'JFK';
```

```
SELECT * FROM kelchen_july  
WHERE CANCELLED > 0  
LIMIT 10;
```

```
SELECT ORIGIN, DEST, COUNT(*) AS NumFlights  
FROM kelchen_july  
WHERE ORIGIN = 'ORD'  
GROUP BY ORIGIN, DEST  
ORDER BY NumFlights DESC  
LIMIT 10;
```

```
SELECT ORIGIN, COUNT(CANCELLED) AS NumCancels
```

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```
FROM kelchen_july
GROUP BY ORIGIN
ORDER BY NumCancels DESC
LIMIT 5;
```

```
SELECT COUNT(*) AS TotalFlights
FROM kelchen_july
WHERE OP_CARRIER_AIRLINE_ID = 19790;
```

```
SELECT COUNT(*) AS TotalFlights
FROM kelchen_july
WHERE OP_CARRIER_AIRLINE_ID = 19790
AND CANCELLED = 0;
```

```
SELECT COUNT(*) AS TotalFlights
FROM kelchen_july
WHERE OP_CARRIER_AIRLINE_ID = 19790
AND DAY_OF_MONTH = 7;
```

```
SELECT COUNT(*) AS TotalFlights
FROM kelchen_july
WHERE OP_CARRIER_AIRLINE_ID = 19790
AND ORIGIN = 'SLC'
AND DEST = 'AFW';
```

```
SELECT COUNT(*) AS TotalDelayedFlights
FROM kelchen_july
WHERE OP_CARRIER_AIRLINE_ID = 19790
AND ORIGIN = 'SLC'
AND (DEP_DEL15 > 0);
```

```
SELECT COUNT(*) AS TotalFlights
FROM kelchen_july
WHERE OP_CARRIER_AIRLINE_ID = 19790 or OP_CARRIER_AIRLINE_ID = 19977
AND CANCELLED = 1;
```

```
SELECT OP_CARRIER_AIRLINE_ID, COUNT(*) AS TotalFlights
FROM kelchen_july
WHERE OP_CARRIER_AIRLINE_ID = 19790 OR OP_CARRIER_AIRLINE_ID = 19977
AND CANCELLED = 1
GROUP BY OP_CARRIER_AIRLINE_ID;
```