

## Marketing Team Analysis

1-What flights the company's frequent flyers take?

FROM CITY TO CITY:

```
WITH FLIGHTS
AS (SELECT ('FROM: ' || SRC.CITY || ' TO: ' || DEST.CITY) AS
FLIGHT
FROM FREQUENTFLYERS FF
INNER JOIN AIRPORTDIM SRC
ON FF.SRCAIRPORTKEY = SRC.AIRPORTKEY
INNER JOIN AIRPORTDIM DEST
ON FF.DSTAIRPORTKEY = DEST.AIRPORTKEY
INNER JOIN DATEDIM DD ON
DD.DATEKEY = FF.RESERVATIONDATE
WHERE DD.YEAR > 2020)
SELECT FLIGHT, COUNT (*) AS FREQUENCY FROM FLIGHTS
GROUP BY FLIGHT ORDER BY FREQUENCY DESC;
```

| FLIGHT                  | FREQUENCY |
|-------------------------|-----------|
| FROM: Madrid TO: Lisbon | 14        |
| FROM: Lisbon TO: Madrid | 8         |
| FROM: Madrid TO: London | 8         |
| FROM: London TO: Madrid | 8         |
| FROM: Yola TO: Lisbon   | 7         |
| FROM: Ifon TO: Madrid   | 6         |

FROM CITY TO CITY:

```
WITH FLIGHTS
AS (SELECT ('FROM: ' || SRC.CITY || ' TO: ' || DEST.CITY) AS
FLIGHT
FROM FREQUENTFLYERS FF
INNER JOIN AIRPORTDIM SRC
ON FF.SRCAIRPORTKEY = SRC.AIRPORTKEY
INNER JOIN AIRPORTDIM DEST
ON FF.DSTAIRPORTKEY = DEST.AIRPORTKEY
INNER JOIN DATEDIM DD ON
DD.DATEKEY = FF.RESERVATIONDATE
WHERE DD.YEAR > 2020)
SELECT FLIGHT, COUNT (*) AS FREQUENCY
FROM FLIGHTS GROUP BY FLIGHT
ORDER BY FREQUENCY DESC;
```

| FLIGHT                        | FREQUENCY |
|-------------------------------|-----------|
| FROM: China TO: China         | 5899      |
| FROM: Indonesia TO: China     | 3411      |
| FROM: China TO: Indonesia     | 3301      |
| FROM: Indonesia TO: Indonesia | 1877      |
| FROM: Russia TO: China        | 1855      |
| FROM: China TO: Russia        | 1848      |
| FROM: China TO: Philippines   | 1777      |

The most frequent flights among our frequent flyers are those between Madrid and Lisbon, Madrid and London, China and Indonesia, China and Russia.

## 2-What fare basis the company's frequent flyers pay?

```
SELECT FB.DESCRPTION, COUNT (*) AS FREQUENCY
FROM FREQUENTFLYERS FF INNER JOIN FAREBASISDIM FB ON FF.FBKEY =
FB.FBKEY
GROUP BY FB.DESCRPTION
ORDER BY FREQUENCY DESC;
```

Our Frequent Flyers tend to pay Basic Economy fare basis.

| iii | DESCRIPTION            | FREQUENCY |
|-----|------------------------|-----------|
| ➤   | Basic Economy          | 30257     |
|     | 21-Day Advance Saver   | 30048     |
|     | Promotional Fare       | 29972     |
|     | Flexible Fare          | 29963     |
|     | 7-Day Advance Purchase | 29760     |

## 3-How often our frequent flyers upgrade?

```
SELECT DISTINCT CLASS.CLASSCHANGE,
ROUND(COUNT (*) OVER (PARTITION BY CLASS.CLASSCHANGE )
/ COUNT(*) OVER (), 2) AS Class_Change_Rates
FROM FREQUENTFLYERS FF
INNER JOIN CLASSDIM CLASS ON FF.CLASSKEY = CLASS.CLASSKEY;
```

The upgrade rate for our frequent flyers is 42%.

| iii | CLASSCHANGE     | CLASS_CHANGE_RATES |
|-----|-----------------|--------------------|
| ➤   | Downgrade       | 0.42               |
|     | No Class Change | 0.16               |
|     | Upgrade         | 0.42               |

## 4-whether they respond to special fare promotions

Let's count the number of flights flown as a response to special fare promotions each year.

```
SELECT YEAR, COUNT (*) FLIGHTS
FROM FREQUENTFLYERS FF
INNER JOIN FAREBASISDIM FB
ON FF.FBKEY = FB.FBKEY
INNER JOIN DATEDIM DD
ON DD.DATEKEY = FF.RESERVATIONDATE
WHERE FB.DESCRPTION LIKE '%Promotional%'
GROUP BY DD.YEAR
ORDER BY YEAR;
```

| iii | YEAR | FLIGHTS |
|-----|------|---------|
| ➤   | 2015 | 2856    |
|     | 2016 | 3144    |
|     | 2017 | 3036    |
|     | 2018 | 2940    |
|     | 2019 | 3068    |
|     | 2020 | 2880    |
|     | 2021 | 2932    |
|     | 2022 | 3083    |
|     | 2023 | 3058    |
|     | 2024 | 2975    |

As we can see, on average, 3000 flights are organized each year as a response to a special fare promotion.

## 5-How frequent flyers earn and redeem their frequent flyer miles?

- Flyer miles can be earned from or redeemed into any service provided by the company or any partner company.
- The second delivery of the project covers this matter in a more integrated and complete manner, while the first delivery only focuses on flight activity.
- So, what we can do is to show the countries to which frequent flyers tend to redeem and earn flyer miles.

Let's start by seeing how much of the earned miles are earned from a bonus miles promotion.

```
WITH POINTS_EARNED
  AS (SELECT DISTINCT
        PD.TYPE TYPE,
        SUM (POINTSEARNED) OVER () AS TOTAL_MILES_EARNED,
        SUM (POINTSEARNED) OVER (PARTITION BY PD.TYPE)
        AS PROMOTION_MILES_EARNED
  FROM   FREQUENTFLYERS FF
        INNER JOIN
        PROMOTIONDIM PD
        ON PD.PROMOTIONKEY = FF.PROMOTIONKEY)
SELECT TOTAL_MILES_EARNED,
       PROMOTION_MILES_EARNED,
       ROUND (PROMOTION_MILES_EARNED / TOTAL_MILES_EARNED, 2) RATIO
  FROM POINTS_EARNED
 WHERE TYPE = 'bonus miles';
```

| iii | TOTAL_MILES_EARNED | PROMOTION_MILES_EARNED | RATIO |
|-----|--------------------|------------------------|-------|
| ▶   | 61006973           | 10363095               | 0.17  |

- **17%** of frequent miles earned are earned from promoted flights.

Let's see the routes from which frequent flyers redeem their frequent miles.

```
SELECT SRC.COUNTRY FROM_, DEST.COUNTRY TO_, SUM (POINTSEARNED) AS
POINTS
  FROM FREQUENTFLYERS FF
        INNER JOIN AIRPORTDIM SRC
        ON FF.SRCAIRPORTKEY = SRC.AIRPORTKEY
        INNER JOIN AIRPORTDIM DEST
        ON FF.DSTAIRPORTKEY = DEST.AIRPORTKEY
 GROUP BY SRC.COUNTRY, DEST.COUNTRY ORDER BY POINTS DESC;
```

Most flyers miles redeemed on flights by company's frequent flyers are redeemed as discount on flights from Portugal to Sweeden, From Indonesia to Mexico, From America to China, and so on.

| FROM_     | TO_    | POINTS |
|-----------|--------|--------|
| Portugal  | Sweden | 86509  |
| Indonesia | Mexico | 86330  |
| Armenia   | China  | 85232  |
| Brazil    | Sweden | 84302  |
| Portugal  | France | 81061  |

## 6-How long frequent flyers' overnight stays are?

Let's calculate the average overnight stand duration for each frequent flyer.

- The grain for this fact table is each transit, and we calculate the overnight stand duration in as a derived attribute.
- It would go something like this:

```
SELECT FD.ACTUALDEPARTURETIME,
       FD.ACTUALARRIVALTIME,
       (LAG (ACTUALARRIVALTIME)      -- Get the arrival time for
        previos flight
        OVER (PARTITION BY RESERVATIONID_#DD ORDER BY
              FD.ACTUALDEPARTURETIME)
        - FD.ACTUALDEPARTURETIME)
       AS OVERNIGHT_HOURS
FROM   FREQUENTFLYERS FF
       INNER JOIN FLIGHTDIM FD ON FF.FLIGHTKEY = FD.FLIGHTKEY;
```

Get The average overnight stand duration.

```
SELECT AVG (OVERNIGHTSTAND) HOURS
FROM   FREQUENTFLYERS;
```

The average overnight stand between transits is **12 hours**.

| HOURS    |
|----------|
| 11.63452 |

## 7-What proportion of these frequent flyers have gold, platinum or titanium status.

```
SELECT DISTINCT
       SD.NAME,
       ROUND (
         COUNT (DISTINCT PASSENGERKEY) OVER (PARTITION BY SD.NAME)
         / COUNT (DISTINCT PASSENGERKEY) OVER (), 2) AS RATIO
FROM   FREQUENTFLYERS FF
       INNER JOIN STATUSDIM SD
       ON FF.STATUSKEY = SD.STUTUSKEY;
```

| NAME     | RATIO |
|----------|-------|
| Gold     | 0.31  |
| titanium | 0.34  |
| platinum | 0.34  |

**31%** Of Frequent flyers have **gold** status, **34%** Titanium & Platinum

## Finance Team Analysis

- We provide services rather than products, so calculating profit from reservations (ticketing) is not doable.
- To calculate the profit, we must calculate the cost, and we only have operational cost.
- So, as the first delivery focuses only on flight activities, we will calculate revenue rather than profit and we will focus on profit in the second deliverable.

Let's remind you that we have 2 kinds of revenues earned and unearned revenue, and our fact table only captures earned revenue by loading data using departure date instead of reservation data.

1-What is our yearly revenue over the past 10 years?

```
SELECT DD.YEAR,
       ROUND (SUM (TOTALFARE - DISCOUNT) / 1000000) || ' M$' AS
REVENUE
FROM RESERVATIONS RF INNER JOIN DATEDIM DD ON RF.DEPARTUREDATE =
DD.DATEKEY
GROUP BY DD.YEAR
ORDER BY YEAR DESC;
```

On average, we achieve 11 M\$ yearly from buying tickets.

| Y..  | REVENUE |
|------|---------|
| 2024 | 11 M\$  |
| 2023 | 11 M\$  |
| 2022 | 11 M\$  |

Let's look at our monthly revenue this year.

```
SELECT DD.MONTH,
       ROUND (SUM (TOTALFARE - DISCOUNT) / 1000000) || ' M$' AS
REVENUE
FROM RESERVATIONS RF INNER JOIN DATEDIM DD ON RF.DEPARTUREDATE =
DD.DATEKEY
WHERE YEAR = 2024
GROUP BY DD.MONTH ORDER BY MONTH;
```

Our average monthly sales this year is 1 M\$

| MONTH | REVENUE |
|-------|---------|
| 1     | 1 M\$   |
| 2     | 1 M\$   |
| 3     | 1 M\$   |
| 4     | 1 M\$   |

## 2-Revenue per reservation channel.

```
SELECT CD.NAME, ROUND (SUM (TOTALFARE - DISCOUNT) / 1000000) || ' M$'
REVENUE
FROM RESERVATIONS RF
INNER JOIN
CHANNELDIM CD
ON RF.CHANNELKEY = CD.CHANNELKEY
GROUP BY CD.NAME
ORDER BY REVENUE DESC;
```

| NAME        | REVENUE |
|-------------|---------|
| Others      | 19 M\$  |
| Call Center | 19 M\$  |
| Agent       | 19 M\$  |
| Mobile App  | 19 M\$  |
| Website     | 19 M\$  |
| site        | 18 M\$  |

## 3-What is our yearly revenue in each country?

```
SELECT DD.YEAR,
AD.COUNTRY,
ROUND (SUM (TOTALFARE - DISCOUNT) / 1000) || ' K$' AS REVENUE
FROM RESERVATIONS RF
INNER JOIN DATEDIM DD
ON RF.DEPARTUREDATE = DD.DATEKEY
INNER JOIN AIRPORTDIM AD
ON AD.AIRPORTKEY = RF.SRCAIRPORTKEY
GROUP BY DD.YEAR, COUNTRY
ORDER BY YEAR DESC, REVENUE DESC;
```

It looks like out business is vital in Asia, especially China and Indonesia.

| YEAR | COUNTRY     | REVENUE  |
|------|-------------|----------|
| 2024 | China       | 2163 K\$ |
| 2024 | Indonesia   | 1277 K\$ |
| 2024 | Russia      | 664 K\$  |
| 2024 | Philippines | 614 K\$  |
| 2024 | Portugal    | 518 K\$  |
| 2024 | Brazil      | 449 K\$  |
| 2024 | Sweden      | 396 K\$  |
| 2024 | Thailand    | 282 K\$  |

## 4-What is our top performing year?

```
SELECT DD.YEAR,
ROUND (SUM (TOTALFARE - DISCOUNT) / 1000) || ' K$' AS REVENUE
FROM RESERVATIONS RF
INNER JOIN DATEDIM DD
ON RF.DEPARTUREDATE = DD.DATEKEY
GROUP BY DD.YEAR
ORDER BY REVENUE DESC;
```

Numbers are close for each year.

| YEAR | REVENUE   |
|------|-----------|
| 2018 | 11361 K\$ |
| 2023 | 11342 K\$ |
| 2022 | 11301 K\$ |
| 2015 | 11283 K\$ |

## 5-What are our top selling months?

```
SELECT DD.MONTH,  
       ROUND (SUM (TOTALFARE - DISCOUNT) / 1000) || ' K$' AS REVENUE  
FROM   RESERVATIONS RF  
       INNER JOIN DATEDIM DD  
       ON RF.DEPARTUREDATE = DD.DATEKEY  
GROUP BY DD.MONTH  
ORDER BY SUM (TOTALFARE - DISCOUNT) DESC;
```

| MONTH | REVENUE  |
|-------|----------|
| 2     | 9496 K\$ |
| 4     | 9482 K\$ |
| 3     | 9448 K\$ |

Our services are most popular during the first quarter of the year.

## 6-Which Customer Tier is most valuable?

```
SELECT PPD.FREQUENTFLYERTIER,  
       ROUND (SUM (TOTALFARE - DISCOUNT) / 1000) || ' K$' AS REVENUE  
FROM   RESERVATIONS RF  
       INNER JOIN  
       PASSENGERPROFILEDIM PPD  
       ON PPD.PROFILEKEY = RF.PROFILEKEY  
GROUP BY FREQUENTFLYERTIER  
ORDER BY REVENUE DESC;
```

| FREQUENTFLYERTIER | REVENUE   |
|-------------------|-----------|
| Mid Tier          | 22516 K\$ |
| Basic             | 22483 K\$ |
| Worrier Tier      | 22386 K\$ |
| High Tier         | 22327 K\$ |
| Legend Tier       | 22165 K\$ |

## 7-What is our most profitable booking Channel?

```
SELECT CD.NAME,  
       ROUND (SUM (TOTALFARE - DISCOUNT) / 1000) || ' K$' AS REVENUE  
FROM   RESERVATIONS RF  
       INNER JOIN  
       CHANNELDIM CD  
       USING (CHANNELKEY)  
GROUP BY NAME  
ORDER BY Revenue DESC;
```

| NAME        | REVENUE   |
|-------------|-----------|
| Mobile App  | 18712 K\$ |
| Call Center | 18707 K\$ |
| Agent       | 18672 K\$ |
| Website     | 18649 K\$ |
| Others      | 18642 K\$ |
| site        | 18496 K\$ |

## 8-What is our most valuable class?

```
SELECT CD.CLASSFLOWN,  
       ROUND (SUM (TOTALFARE - DISCOUNT) / 1000) || ' K$' AS REVENUE  
FROM   RESERVATIONS RF  
       INNER JOIN  
       CLASSDIM CD  
       USING (CLASSKEY)  
GROUP BY CLASSFLOWN ORDER BY REVENUE DESC;
```

| CLASSFLOWN    | REVENUE |
|---------------|---------|
| Prem Economy  | 19 M\$  |
| Business      | 19 M\$  |
| First         | 19 M\$  |
| basic Economy | 19 M\$  |
| VIP           | 19 M\$  |
| Economy       | 18 M\$  |

# Customer Support Team Analysis

1-On Average, how many complaints, inquiries, feedback do we get receive each year?

```
SELECT YEAR, ID.TYPE, COUNT (*) COUNT
FROM CUSTOMERCARE CCF
    INNER JOIN INTERACTION ID
        ON CCF.INTERACTIONKEY =
ID.INTERACTIONKEY
    INNER JOIN DATEDIM DD
        ON DD.DATEKEY = CCF.SUBMISSIONDATE
GROUP BY TYPE, YEAR
ORDER BY YEAR DESC;
```

| YEAR | TYPE      | COUNT |
|------|-----------|-------|
| 2024 | Complaint | 500   |
| 2024 | Feedback  | 500   |
| 2024 | Inquiry   | 475   |
| 2023 | Complaint | 503   |
| 2023 | Feedback  | 498   |
| 2023 | Inquiry   | 507   |
| 2022 | Complaint | 505   |
| 2022 | Feedback  | 501   |
| 2022 | Inquiry   | 540   |

2-Do we receive severe complaints frequently?

```
SELECT ID.SEVERITY, COUNT (*) COUNT
FROM CUSTOMERCARE CCF
    INNER JOIN
        INTERACTION ID
        ON CCF.INTERACTIONKEY = ID.INTERACTIONKEY
WHERE TYPE = 'Complaint'
GROUP BY ID.SEVERITY
ORDER BY COUNT DESC;
```

| SEVERITY | COUNT |
|----------|-------|
| 2        | 1043  |
| 0        | 1022  |
| 4        | 1016  |
| 3        | 1014  |
| 1        | 993   |

Most of the complaint has a non-critical severity.

3-On average, how long does it take for us to respond to the customer's interaction?

```
SELECT AVG (RESPONDEDELAY) AS MINUTES FROM CUSTOMERCARE;
```

On average, it takes us **35 minutes** to respond to the customer, but are we trying to improve this?

```
SELECT YEAR, AVG (RESPONDEDELAY) AS MINUTES
FROM CUSTOMERCARE CC
    INNER JOIN
        DATEDIM DM
        ON CC.SUBMISSIONDATE = DM.DATEKEY
GROUP BY YEAR ORDER BY YEAR DESC;
```



The waiting time for each customer to get a response is the same over the past 10 years, meaning that we are not trying to improve customer satisfaction.

| YEAR | MINUTES          |
|------|------------------|
| 2024 | 34.153220338983  |
| 2023 | 34.9045092838196 |
| 2022 | 33.7108667529107 |
| 2021 | 33.9941291585127 |
| 2020 | 34.8230668414155 |
| 2019 | 34.4148044692737 |
| 2018 | 34.2622730329522 |
| 2017 | 35.1323924731183 |

#### 4-On average, how long does it take for us to resolve a customer's complaint?

```
SELECT YEAR, AVG (RESOLUTIONDELAY) AS MINUTES
FROM CUSTOMERCARE CC
    INNER JOIN DATEDIM DM
        ON CC.RESOLUTIONDATE= DM.DATEKEY
    INNER JOIN INTERACTION ID
        ON ID.INTERACTIONKEY = CC.INTERACTIONKEY
WHERE ID.TYPE = 'Complaint'
GROUP BY YEAR
ORDER BY YEAR DESC;
```

| YEAR | MINUTES |
|------|---------|
| 2024 | 27      |
| 2023 | 31      |
| 2022 | 35      |
| 2021 | 39      |
| 2020 | 37      |
| 2019 | 29      |
| 2018 | 38      |
| 2017 | 38      |
| 2016 | 26      |

On average it takes us 30 – 35 minutes to resolve customers' issues, but what is more important is that the waiting time has decreased for the current year.

#### 5-Which booking channel received the most complaints?

```
SELECT CD.NAME CHANNEL, COUNT (*) COMPLAINTS
FROM CUSTOMERCARE CC
    INNER JOIN DATEDIM DM
        ON CC.SUBMISSIONDATE = DM.DATEKEY
    INNER JOIN INTERACTION ID
        ON ID.INTERACTIONKEY = CC.INTERACTIONKEY
    INNER JOIN CHANNELDIM CD
        USING (CHANNELKEY)
WHERE ID.TYPE = 'Complaint'
GROUP BY CD.NAME
ORDER BY COMPLAINTS DESC;
```

| CHANNEL     | COMPLAINTS |
|-------------|------------|
| Website     | 923        |
| Call Center | 868        |
| Others      | 847        |
| Mobile App  | 843        |
| Agent       | 825        |
| site        | 782        |

It looks like we have problems on our website, we need to hire an ITI Graduate full stack developer!

# Flight Activity Analysis

1-How many flights the company organize each year?

```
SELECT YEAR, COUNT (*) FLIGHTS
FROM FLIGHTACTIVITY FA
INNER JOIN
    DATEDIM DM
ON FA.SCHEDULEDEPDATEKEY = DM.DATEKEY
GROUP BY YEAR
ORDER BY YEAR DESC;
```

The company organizes an average of 10K flights each year.

|   | YEAR | FLIGHTS |
|---|------|---------|
| ► | 2024 | 9931    |
|   | 2023 | 9872    |
|   | 2022 | 10035   |
|   | 2021 | 10187   |
|   | 2020 | 10077   |
|   | 2019 | 10026   |

2- Monthly flights organized by the company this year.

```
SELECT MONTH, COUNT (*) FLIGHTS
FROM FLIGHTACTIVITY FA
INNER JOIN
    DATEDIM DM
ON FA.SCHEDULEDEPDATEKEY = DM.DATEKEY
WHERE YEAR = 2024
GROUP BY MONTH
ORDER BY MONTH;
```

Our performance is steady this year with an average of 800 flights each month.

|   | MONTH | FLIGHTS |
|---|-------|---------|
| ► | 1     | 856     |
|   | 2     | 803     |
|   | 3     | 841     |
|   | 4     | 802     |

3-Our most popular routes.

```
WITH FLIGHTS
AS (SELECT ('FROM: ' || SRC.CITY || ' TO: ' || DEST.CITY) AS
FLIGHT
FROM FLIGHTACTIVITY FA
INNER JOIN AIRPORTDIM SRC
ON FA.SRCAIRPORTKEY = SRC.AIRPORTKEY
INNER JOIN AIRPORTDIM DEST
ON FA.DSTAIRPORTKEY = DEST.AIRPORTKEY)
SELECT FLIGHT, COUNT (*) AS FREQUENCY
FROM FLIGHTS
GROUP BY FLIGHT
ORDER BY FREQUENCY DESC;
```

| FLIGHT                        | FREQUENCY |
|-------------------------------|-----------|
| FROM: China TO: China         | 3999      |
| FROM: Indonesia TO: China     | 2243      |
| FROM: China TO: Indonesia     | 2195      |
| FROM: Indonesia TO: Indonesia | 1269      |
| FROM: Russia TO: China        | 1192      |
| FROM: China TO: Philippines   | 1158      |
| FROM: China TO: Russia        | 1156      |
| FROM: Philippines TO: China   | 1155      |
| FROM: Portugal TO: China      | 929       |

| FLIGHT                        | FREQUENCY |
|-------------------------------|-----------|
| FROM: Lisbon TO: Madrid       | 7         |
| FROM: Madrid TO: Shizuoka-shi | 5         |
| FROM: Madrid TO: Malaga       | 5         |
| FROM: Göteborg TO: Madrid     | 5         |
| FROM: Waihai TO: Madrid       | 5         |
| FROM: Madrid TO: Oljok        | 4         |
| FROM: Santa Rosa TO: Madrid   | 4         |
| FROM: Sasayama TO: Madrid     | 4         |

Our most popular routes are flights between China and Indonesia and also between China and Russia.

#### 4-What are the average empty seats count per flight each year?

```
SELECT YEAR, ROUND (AVG (EMPTYSEATS)) AS SEATS
FROM FLIGHTACTIVITY FA
INNER JOIN
DATEDIM DM
ON FA.ACTUALARRDATEKEY = DM.DATEKEY
GROUP BY YEAR
ORDER BY YEAR DESC;
```

| YEAR | SEATS |
|------|-------|
| 2024 | 15    |
| 2023 | 15    |
| 2022 | 15    |

On average we have 15 empty seats available on each flight!

#### 5-What is our average yearly fuel consumption?

```
SELECT YEAR, ROUND (AVG (FUELCONSUMPTION)) AS LITRE
FROM FLIGHTACTIVITY FA
INNER JOIN
DATEDIM DM
ON FA.ACTUALARRDATEKEY = DM.DATEKEY
GROUP BY YEAR
ORDER BY YEAR DESC;
```

| YEAR | LITRE |
|------|-------|
| 2024 | 175   |
| 2023 | 175   |
| 2022 | 175   |
| 2021 | 174   |
| 2020 | 175   |

On average each flight uses 175-liter fuel.

# Dashboards

We have decided to build an interactive PowerBI Dashboard on top of the DWH.

## General Analysis

Total Sales

223M

Select all

2015

2016

2017

2018

2019

2020

2021

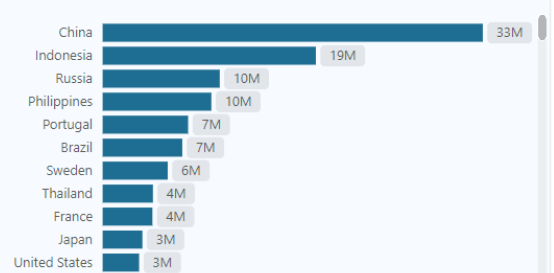
2022

>

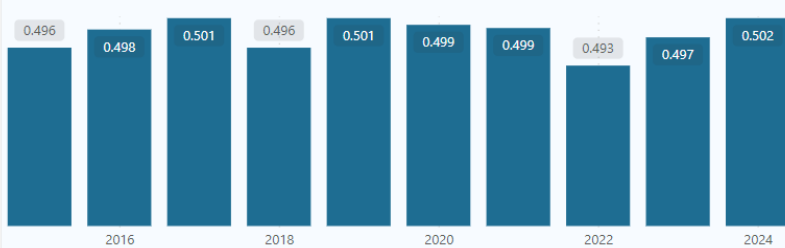
Yearly sales



Sales Per Country



Cancellation Rate Per Year



Yearly Complaints



## General Analysis

Total Sales

223M

Select all

Africa

Asia

Europe

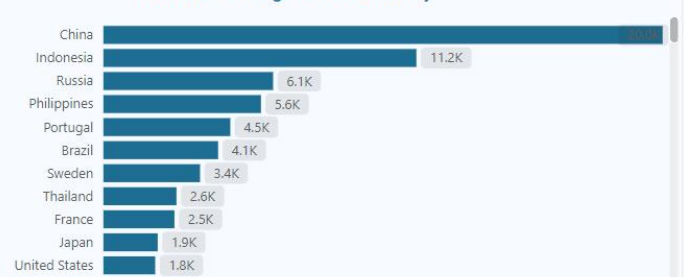
Middle East

Others

Sales per Promotion Type



Number of Flights Per Country



Sales Distribution



Yearly Fuel Consumptions

