What Flights Do Frequent Flyers Take?

Top 5 Destination Airports for Frequent Flyers

```
SELECT *
FROM (
SELECT a.airportname "Destination Airport", a.city "Destination City"
FROM factbooking fb, dimairport a, dimstatus s
WHERE fb.destinationairportkey = a.airportkey AND fb.statuskey IS NOT NULL
GROUP BY a.airportname, a.city
ORDER BY COUNT(*)
)
WHERE ROWNUM <= 5
```

∄	Destination Airport	Destination City
١	Istanbul Airport	Istanbul
	Mexico City International Airport	Mexico City
	Dubai International Airport	Dubai
	Dallas Fort Worth International Airport	Dallas
	Hartsfield–Jackson Atlanta International Airport	Atlanta

Top 5 Flight Routes for Frequent Flyers

∄	Departure Airport	Destination Airport	Departure City	Destination City
١	Istanbul Airport	Dubai International Airport	Istanbul	Dubai
	Dallas Fort Worth International Airport	Hartsfield–Jackson Atlanta International Airport	Dallas	Atlanta
	Cairo International Airport	Dallas Fort Worth International Airport	Cairo	Dallas
	Guangzhou Baiyun International Airport	Dallas Fort Worth International Airport	Guangdong	Dallas
	Dallas Fort Worth International Airport	Istanbul Airport	Dallas	Istanbul

What Fare Basis Do Frequent Flyers Pay?

```
SELECT f.farebasiscode "Fare Basis",

ROUND(

COUNT(*) * 100 /

(SELECT COUNT(*) FROM factbooking WHERE statuskey IS NOT NULL)

, 2)

||'%'

AS "Percentage"

FROM factbooking fb, dimfarebasis f

WHERE fb.farebasiskey = f.farebasiskey

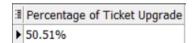
AND fb.statuskey IS NOT NULL

GROUP BY f.farebasiscode

ORDER BY "Percentage" DESC;
```

∄	Fare Basis	Percentage
١	WE	14.94%
	YE	14.14%
	F	13.11%
	Y	12.09%
	FE	11.63%
	W	11.63%
	J	11.29%
	JE	11.17%

How Often Do Frequent Flyers Upgrade?



How Do Frequent Flyers Earn and Redeem Their Points?

```
SELECT
     'Redeem' AS "Channel Type",
     c.channel AS "Channel",
     ROUND(
      COUNT(*) * 100
       / (SELECT COUNT(*)
         FROM factfrequentflyertransaction NATURAL JOIN dimchannel
         WHERE channeltype = 'Redeem')
     , 2)
     || '%'
     AS "Percentage"
FROM factfrequentflyertransaction f, dimchannel c
WHERE f.channelkey = c.channelkey AND c.channeltype = 'Redeem'
GROUP BY c.channel
UNION
SELECT
      'Earn',
      c.channel,
      ROUND(
         COUNT(*) * 100
         / (SELECT COUNT(*)
           FROM factfrequentflyertransaction NATURAL JOIN dimchannel
           WHERE channeltype = 'Earn')
      , 2)
      || '%'
      AS "Percentage"
FROM factfrequentflyertransaction f, dimchannel c
WHERE f.channelkey = c.channelkey AND c.channeltype = 'Earn'
GROUP BY c.channel
ORDER BY "Channel Type", "Percentage" DESC
```

:≣	Channel Type	Channel	Percentage
١	Earn	Flight	54.85%
	Earn	Credit Card	45.15%
	Redeem	Lounge Access	22.13%
	Redeem	Special Service Request	21.31%
	Redeem	Extra Baggage Allowance	19.13%
	Redeem	Upgrade Ticket	19.13%
	Redeem	Free Ticket	18.31%

Do Frequent Flyers Respond to Special Fare Promotions?

```
SELECT ROUND(
    SUM(fb.specialpromotionindicator) * 100
    / (SELECT COUNT(*) FROM factbooking WHERE statuskey IS NOT NULL)
    , 2)
    || '%'
    AS "Percentage"
FROM factbooking fb
WHERE fb.specialpromotionindicator = 1
GROUP BY fb.specialpromotionindicator;
```



How Long Are There Overnight Night Stays?

```
SELECT AVG(f.stayednights) "Average Overnight Stays" FROM facthotelstay f WHERE f.statuskey IS NOT NULL;
```



What Are The Proportions of Frequent Flyers Statuses?

```
SELECT s.frequentflyerstatus AS "Frequent Flyer Status",
ROUND(
COUNT(*) * 100
/ (SELECT COUNT(*)
FROM factbooking
WHERE statuskey IS NOT NULL)
, 2)
|| '%'
AS "Percentage"
FROM factbooking f, dimstatus s
WHERE f.statuskey = s.statuskey
GROUP BY s.frequentflyerstatus
```

∄	Frequent Flyer Status Percentage		
•	Gold	33.07%	
	Titanium	34.09%	
	Platinum	32.84%	