Flight-Data-Analysis:-

Welcome to the Flight Data Analysis Dashboard!!!

This interactive dashboard provides deep insights into flight prices, durations, routes, and airline performances. Explore average ticket prices across routes and airlines to identify trends and cost variations. Visualize the market share and revenue contribution of each airline at a glance.

Analyze how departure times and flight durations impact ticket pricing. Make data-driven decisions using real-time filters on price, route, duration, and airline.
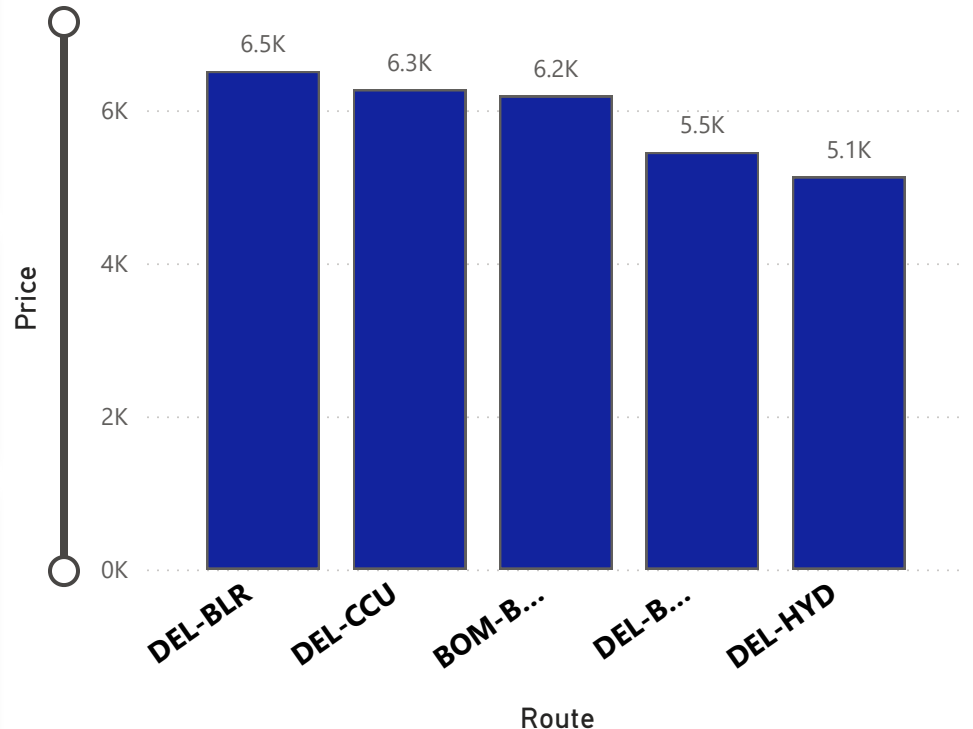
Route

- [ ] BOM-BLR
- [ ] DEL-BLR
- [ ] DEL-BOM
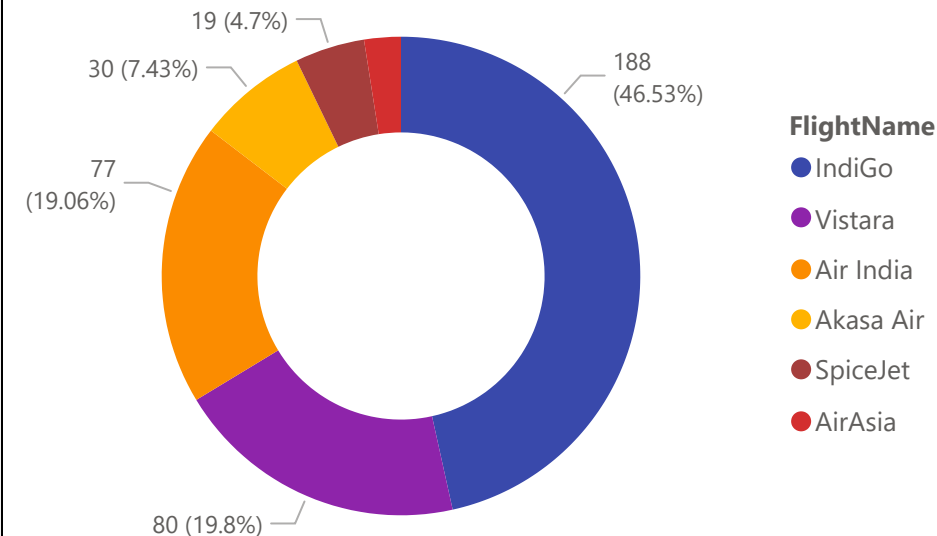
Price

- [ ] 2307
- [ ] 2773

Airline

- [ ] Air India
- [ ] AirAsia
- [ ] Akasa Air

Average Flight Price Across Routes

Share of Total Flights Operated by Each Airline

FlightName
- ● IndiGo
- ● Vistara
- ● Air India
- ● Akasa Air
- ● SpiceJet
- ● AirAsia

- 188 (46.53%)
- 80 (19.8%)
- 77 (19.06%)
- 30 (7.43%)
- 19 (4.7%)

Airlines Ranked by Average Ticket Price
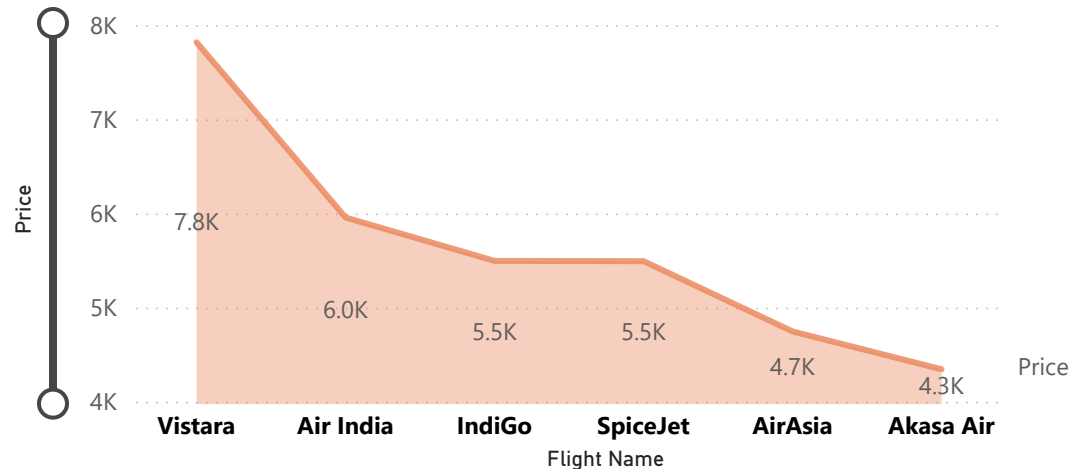
Impact of Flight Duration on Ticket Prices

FlightName ● Air India ● AirAsia ● Akasa Air ● IndiGo ● SpiceJet ● Vistara
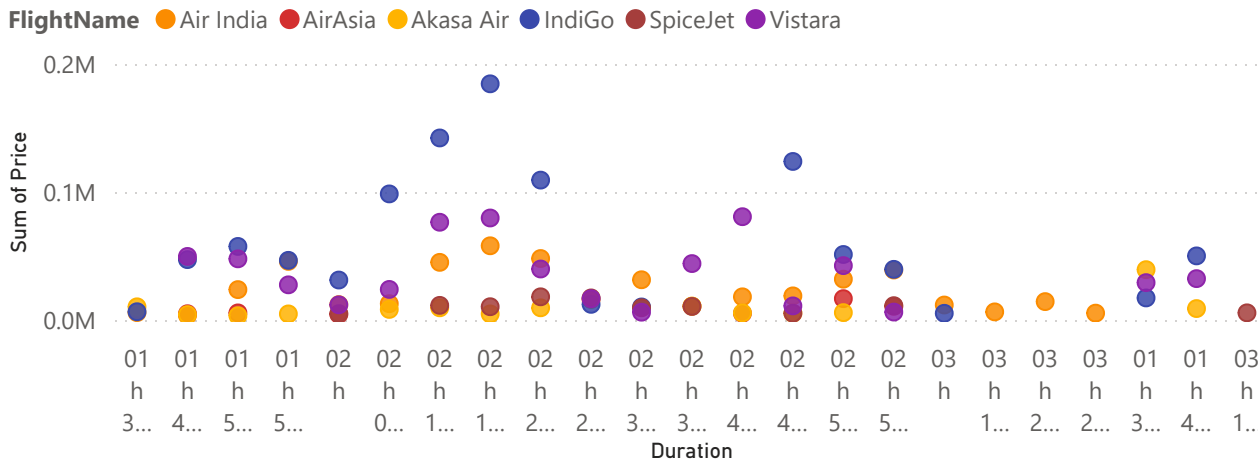
Average Ticket Price by Airline and Route:-

Route ● BOM-BLR ● DEL-BLR ● DEL-BOM ● DEL-CCU ● DEL-HYD

Average of Price (Y-axis: 0K, 10K, 20K, 30K, 40K)

FlightName (X-axis): Vistara, Air India, IndiGo, SpiceJet, AirAsia, Akasa Air
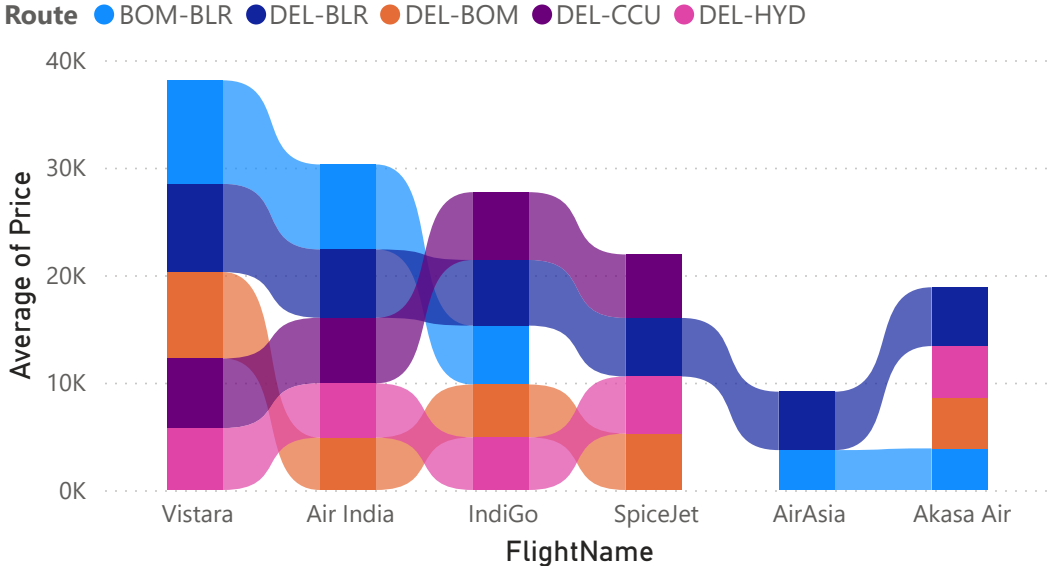
Flight Price Trend by Departure Time

FlightName
● IndiGo
● Vistara
● Air India
● Akasa Air
● SpiceJet
● AirAsia

0M (4.35%)
0M (5.43%)
0M (19.12%)
1M (43.06%)
1M (26.06%)
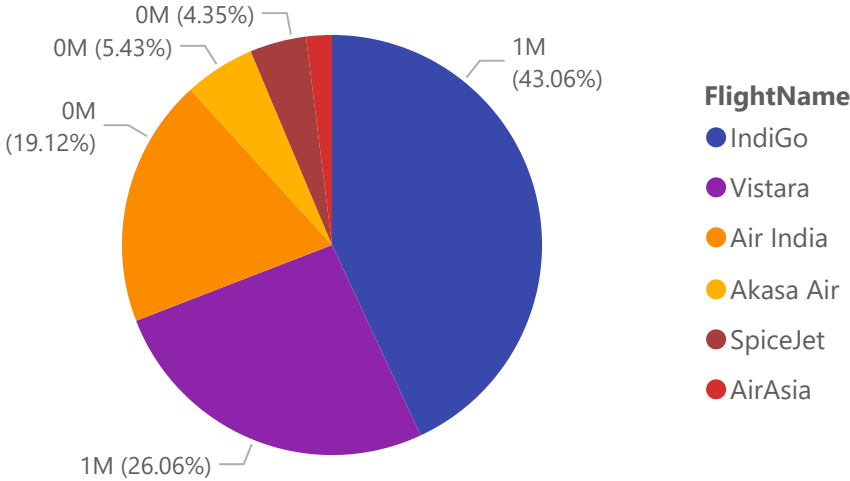
Filter by Price, Flight Duration, Route, Airline

FlightName, Duratio... ⌄

⌄ ☐ Air India
⌄ ☐ AirAsia
⌄ ☐ Akasa Air
⌄ ☐ IndiGo
⌄ ☐ SpiceJet
⌄ ☐ Vistara

Average Flight Duration Across Airlines

100%

Airline	Value
IndiGo	188
Vistara	80
Air India	77
Akasa Air	30
SpiceJet	19
AirAsia	10

5.3%
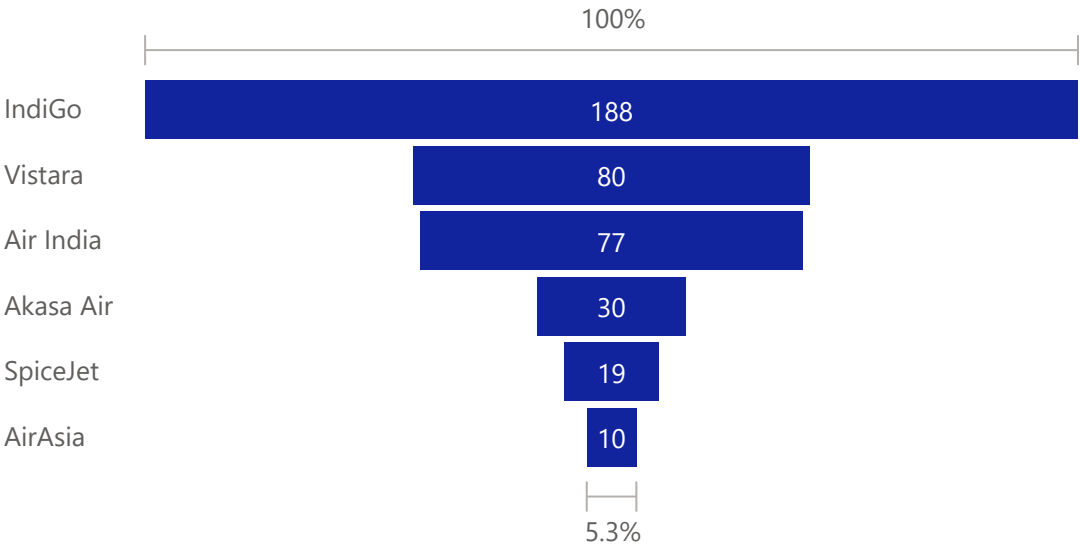
Impact of Airlines' Share of Total RevenueFlight Duration on Ticket Prices

FlightName ● Air India ● AirAsia ● Akasa Air ● IndiGo ● SpiceJet ● Vistara

Average of Price (Y-axis: 0K, 10K, 20K)

DepartingTime (X-axis): 03:00, 06:00, 09:00, 12:00, 15:00, 18:00, 21:00
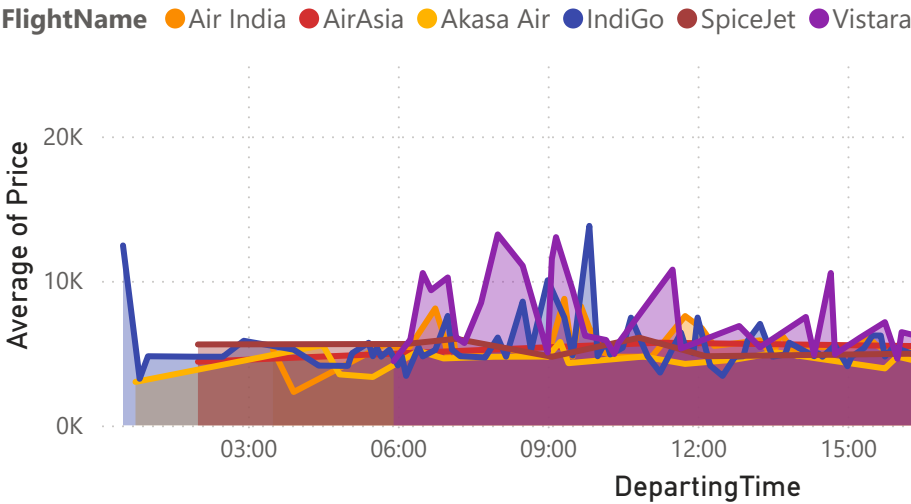
Average Price per Route by Airline

FlightName ● Air India ● AirAsia ● Akasa Air ● IndiGo ● SpiceJet ● Vistara

Price

10K

8.2K
8K   6.4K   6.3K   9.6K
           5.4K   6.0K   7.9K   8.0K
6K   6.1K   5.8K
           5.5K   5.5K   5.1K
                                    3.7K   4.6K   4.8K
4K   3.9K   5.3K   4.9K

                                                          Vistara
                                                          Air India
                                                          AirAsia

DEL-BLR   DEL-CCU   BOM-BLR   DEL-BOM   DEL-HYD
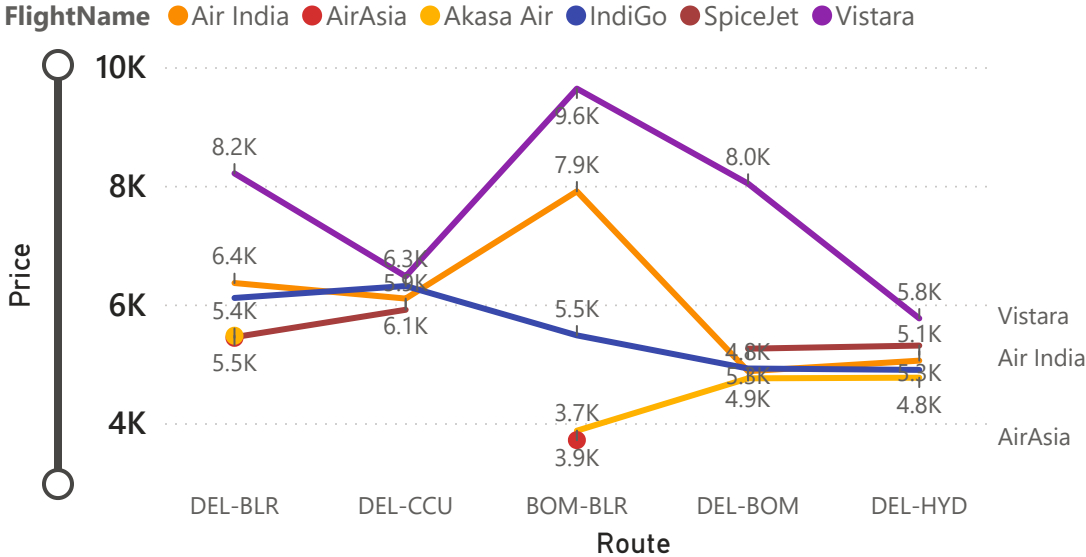
Route

Price Trend Across Departing Time and Route

Route ● BOM-BLR ● DEL-BLR ● DEL-BOM ● DEL-CCU ● DEL-HYD

Price

15K

10K

5K

03:00   06:00   09:00   12:00   15:00   18:00   21:00

Departing Time

op 5 Busiest Routes

Route

3   Route
     3

2   Route Route Route Route Route
          2   2   2   2   2
                                              Route Route Route Route Route
1   1   1   1   1   1

0

6E 2063 AI 560 6E 2003 6E 2187 6E 2342 6E 5312 6E 605 6E 774 AI 559 UK 830 UK 880 UK 899 6E 2005 6E 2011 6E 2171 6E 2337 6E 2341 6E 2371 6E 2461 6E 379 6E 491

Flight Code
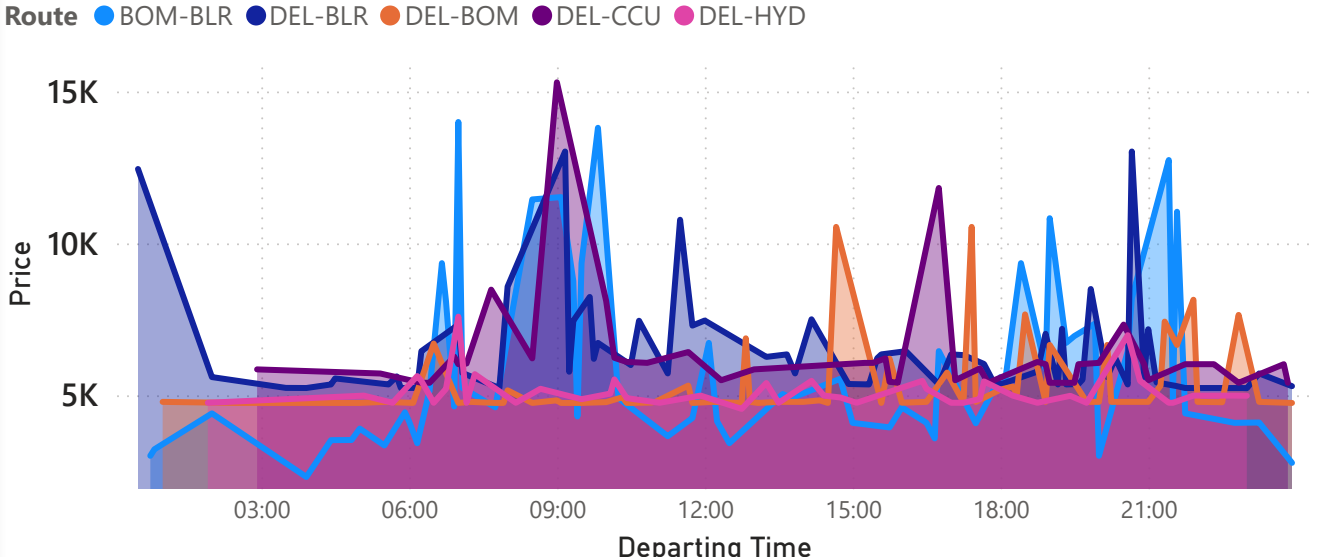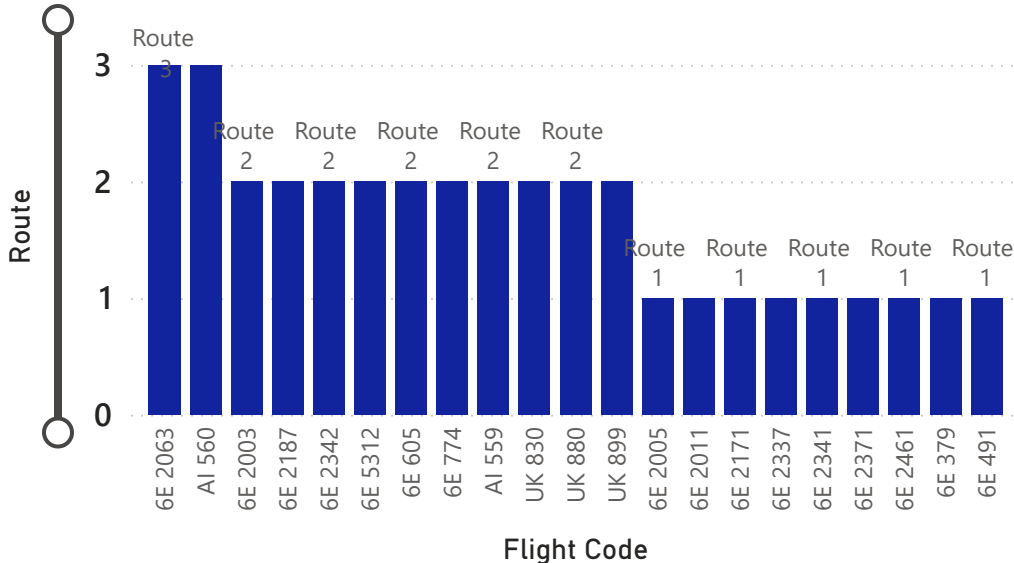
Number of Flights per Route by Airline

Flight Name ● Air India ● AirAsia ● Akasa Air ● IndiGo ● SpiceJet ● Vistara

Flight Code

100

50

0

DEL-BOM   DEL-BLR   BOM-BLR   DEL-CCU   DEL-HYD
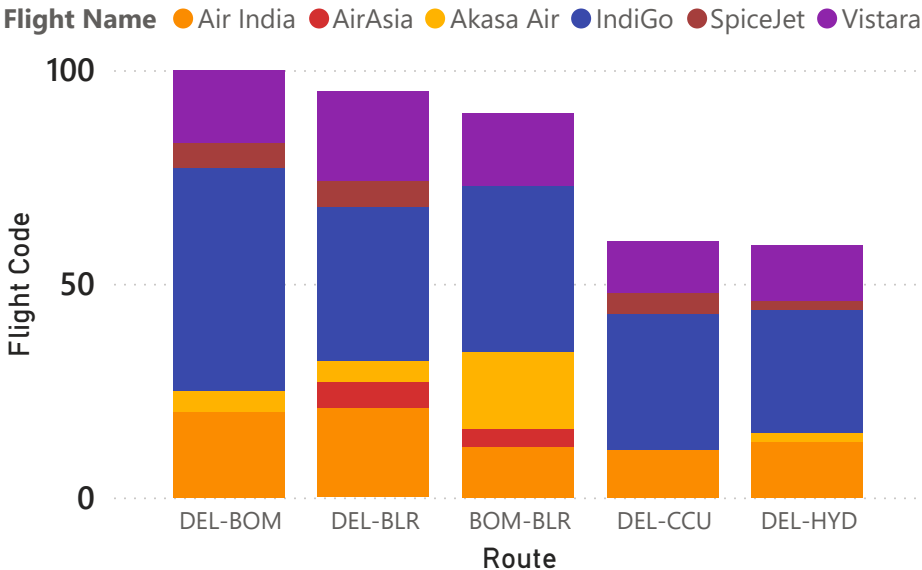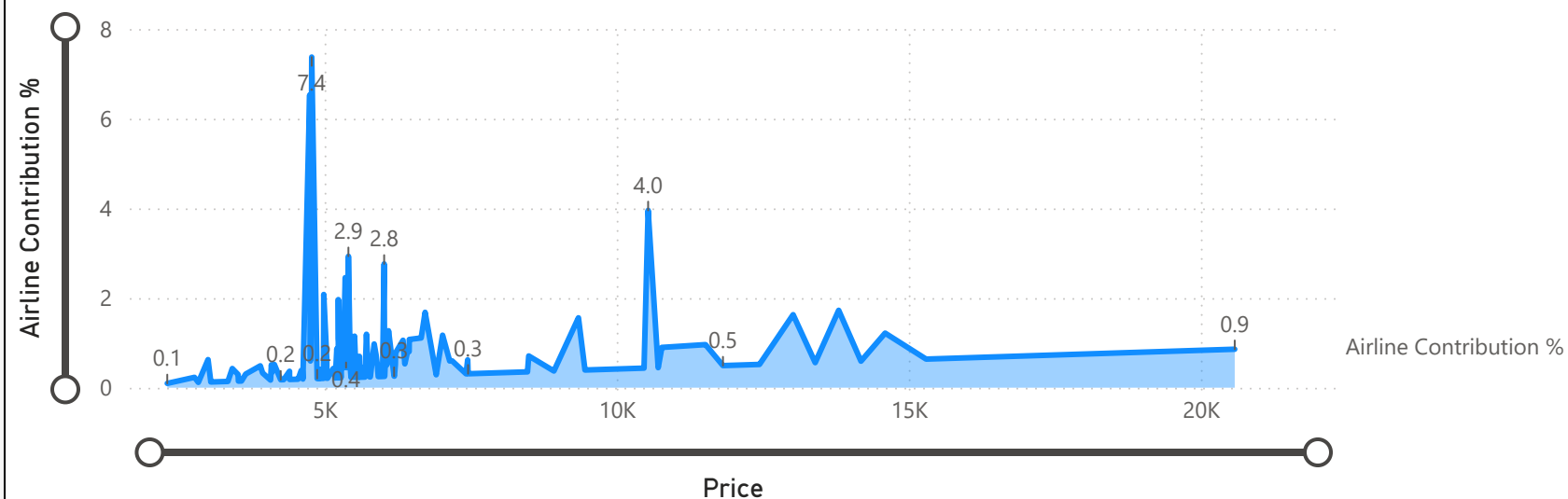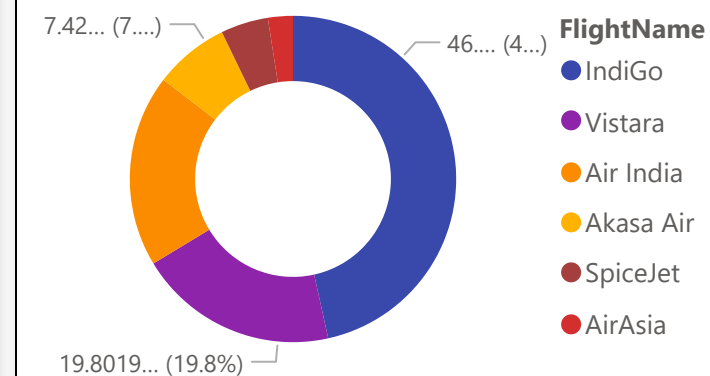
Route

Filter by Departing time, Duration,Airlines,Price and Route

∨ ☐ Air India

∨ ☐ AirAsia
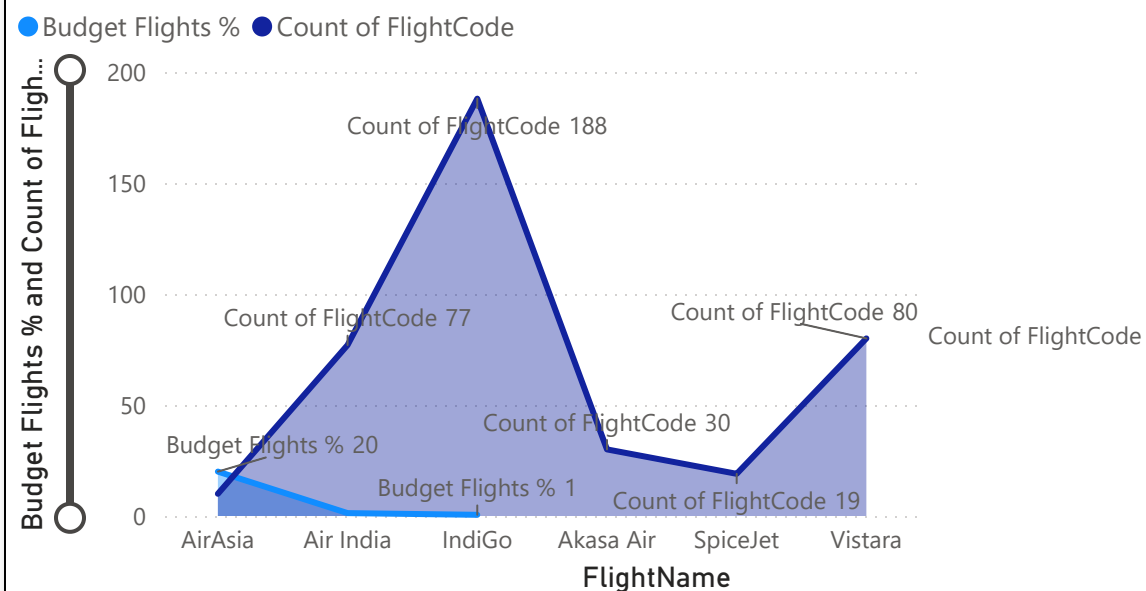
∨ ☐ Akasa Air

∨ ☐ IndiGo

∨ ☐ SpiceJet

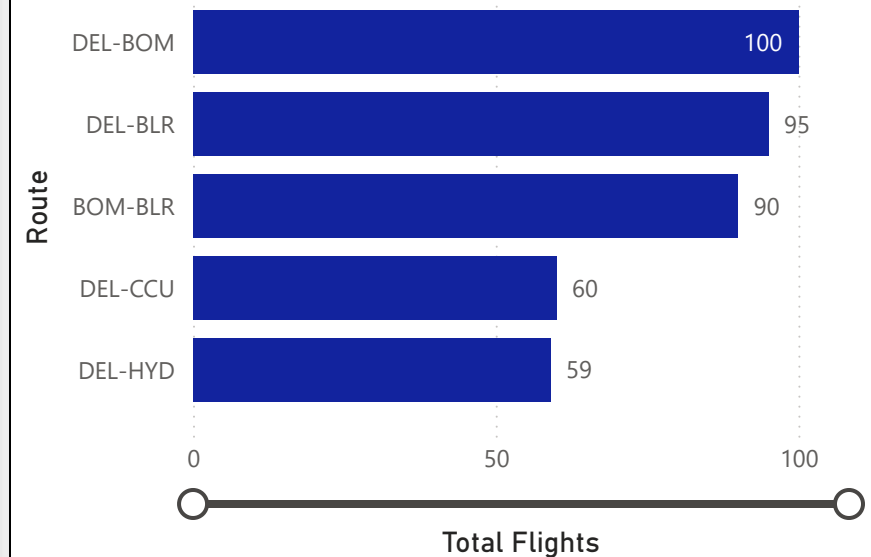∨ ☐ Vistara

Price Elasticity of Airline Contribution

Airline Contribution %

- 7.4
- 4.0
- 2.9
- 2.8
- 0.1
- 0.2
- 0.4
- 0.3
- 0.5
- 0.9

Airline Market Share by Number of Flights (%)

FlightName
- ● IndiGo
- ● Vistara
- ● Air India
- ● Akasa Air
- ● SpiceJet
- ● AirAsia

46.... (4....)
19.8019... (19.8%)
7.42... (7....)

Airlines with Most Budget Flights (<₹3000)

- ● Budget Flights % ● Count of FlightCode

- Count of FlightCode 188
- Count of FlightCode 77
- Count of FlightCode 80
- Count of FlightCode 30
- Count of FlightCode 19
- Count of FlightCode
- Budget Flights % 20
- Budget Flights % 1

Most Popular Routes Among Travelers

Route	Total Flights
DEL-BOM	100
DEL-BLR	95
BOM-BLR	90
DEL-CCU	60
DEL-HYD	59

Filter by Price, Flight Duration, Route, Airline

FlightName, Durati... ⌄
- ⌄ ☐ Air India
- ⌄ ☐ AirAsia
- ⌄ ☐ Akasa Air
- ⌄ ☐ IndiGo
- ⌄ ☐ SpiceJet
- ⌄ ☐ Vistara