



Home

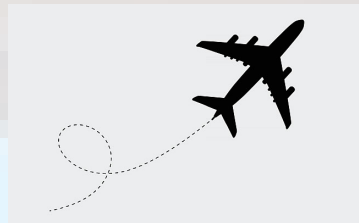
Performance  
Analysis

Time Series Analysis

Pricing Analysis

# Analyzing Airline Performance and Pricing Strategy

A Data Analysis of flights Patterns, Pricing and Optimization Strategies.



# Performance Analysis

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Total Airlines

12

Total Price

97M

Total Stops

6

Avg. Duration(Min.)

643.12

April

January

March

September

December

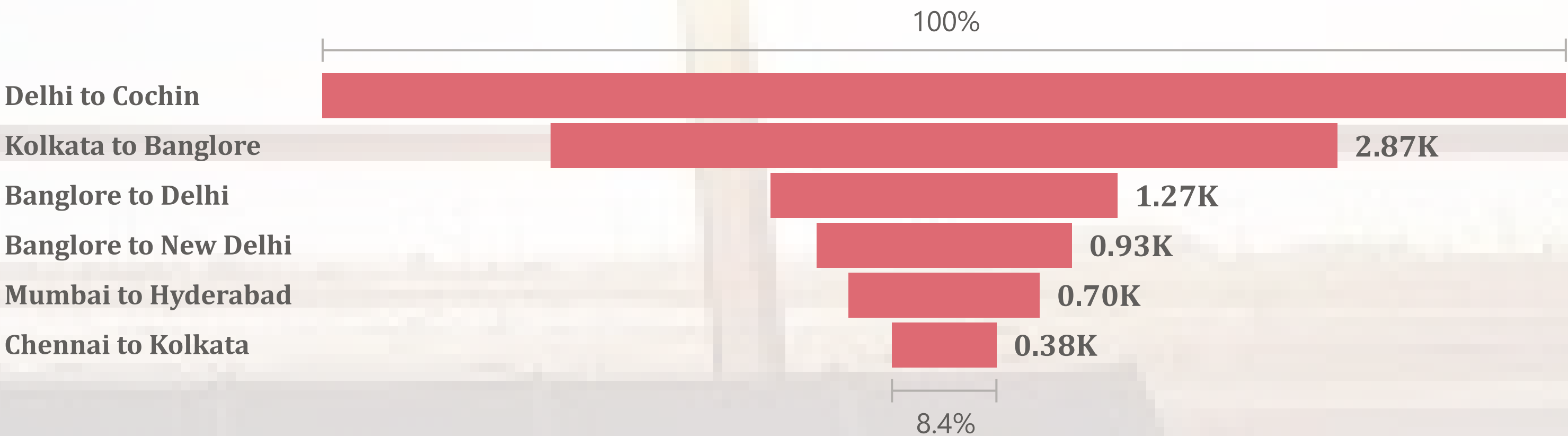
June

May

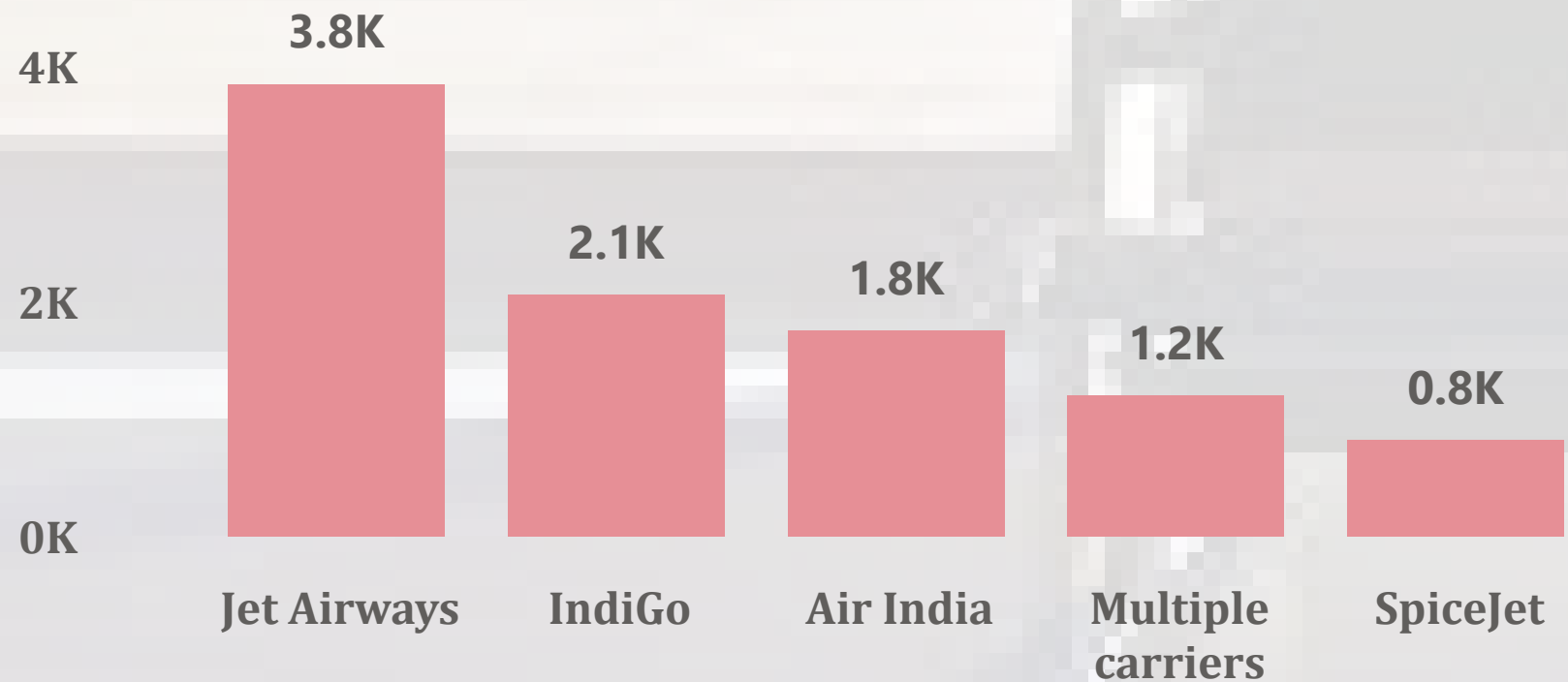
## Total Number of Flights

Source - Destination	No. of flights
<input type="checkbox"/> Bangalore to Delhi	1265
<input type="checkbox"/> Bangalore to New Delhi	932
<input type="checkbox"/> Chennai to Kolkata	381
<input type="checkbox"/> Delhi to Cochin	4537
<input type="checkbox"/> Kolkata to Bangalore	2871
<input type="checkbox"/> Mumbai to Hyderabad	697

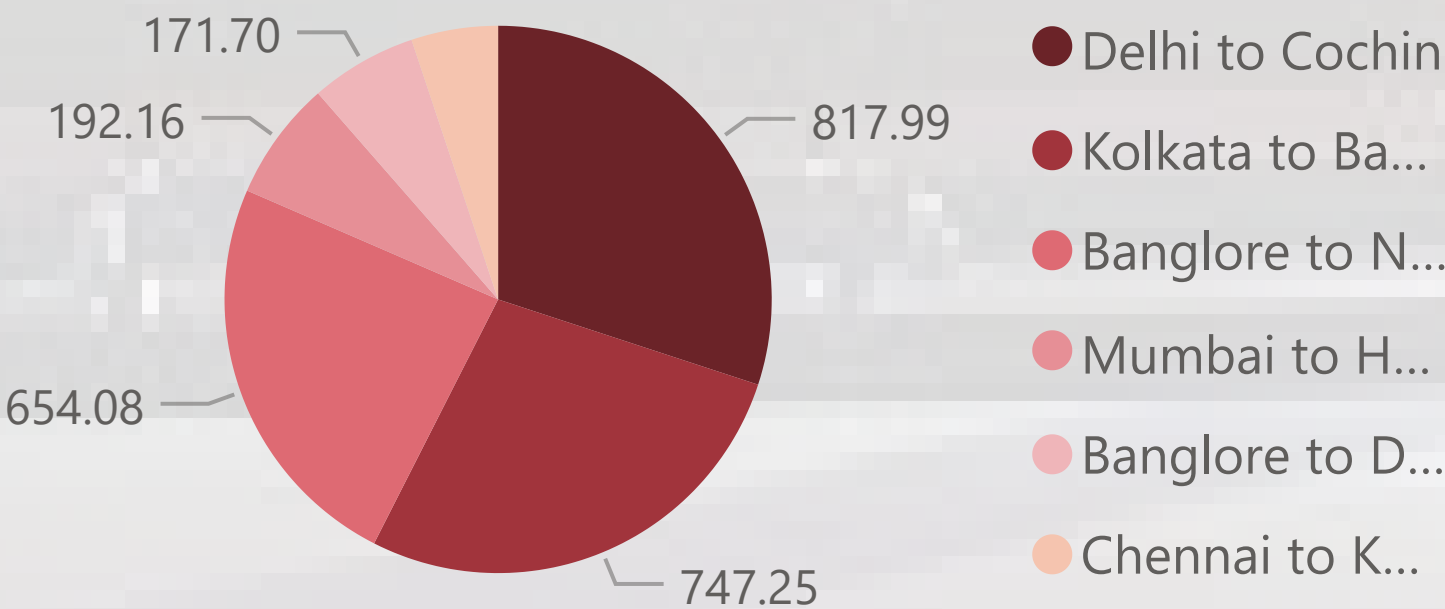
## Most common destinations



## Top 5 Airlines have highest no. of flights

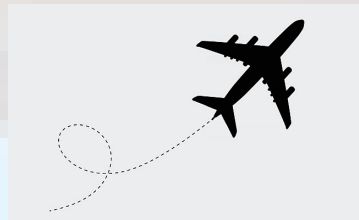


## Distribution of Flights based on Duration(Avg Min.)



## Total Price of flights according to duration

Source - Destination	Total Price
<input type="checkbox"/> Mumbai to Hyderabad	3.53M
<input type="checkbox"/> Kolkata to Bangalore	26.29M
<input type="checkbox"/> Delhi to Cochin	47.82M
<input type="checkbox"/> Chennai to Kolkata	1.82M
<input type="checkbox"/> Bangalore to New Delhi	11.11M
<input type="checkbox"/> Bangalore to Delhi	6.51M



# Time Series Analysis

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Total Airlines

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643.12

April

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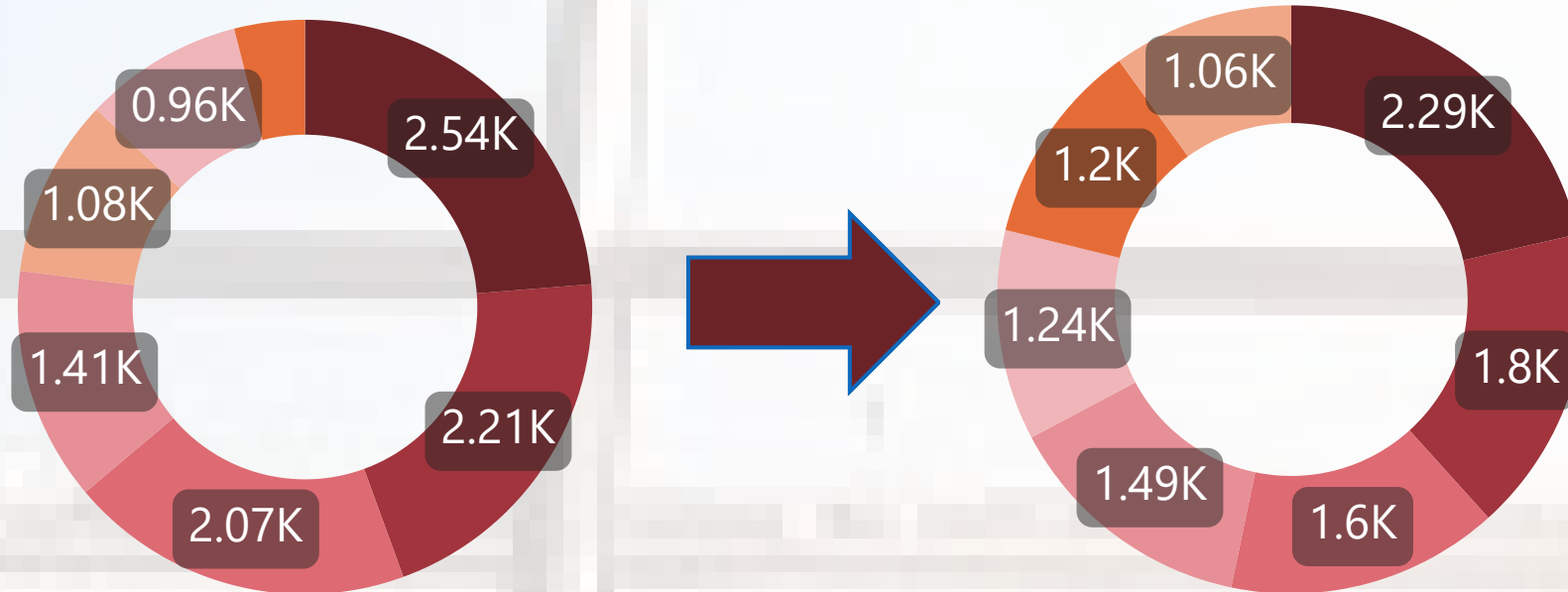
September

December

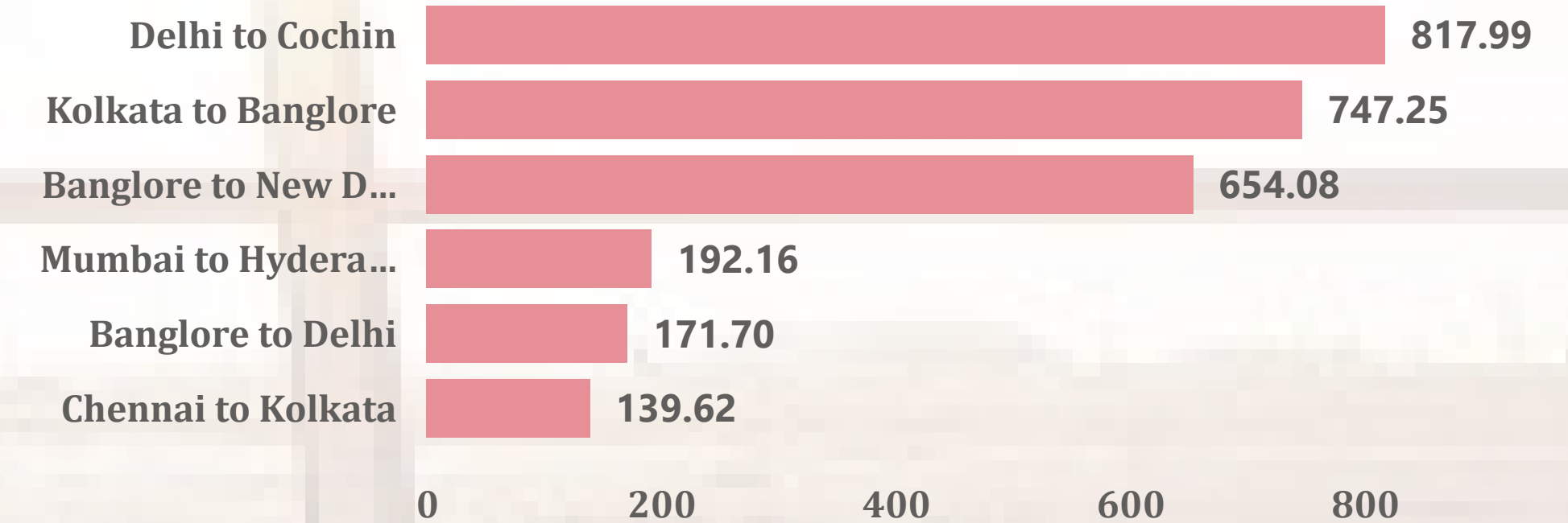
June

May

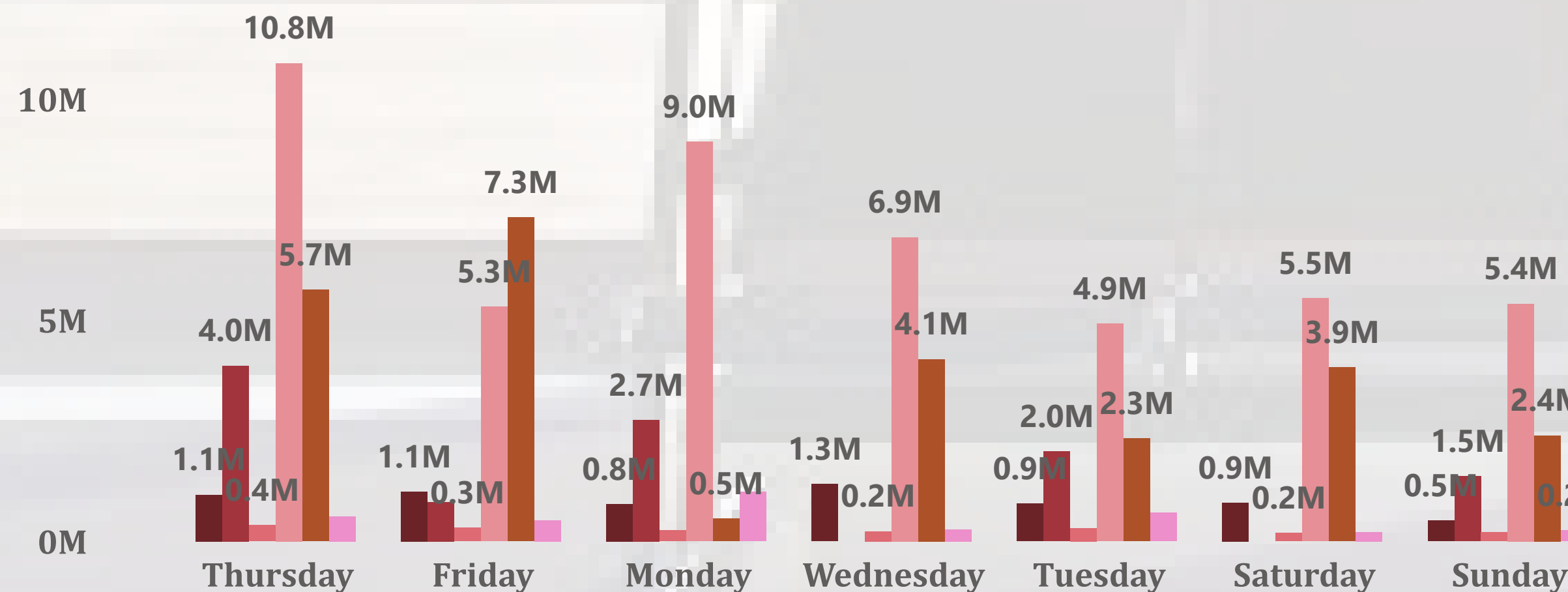
## Number of Flights Vary Over a time



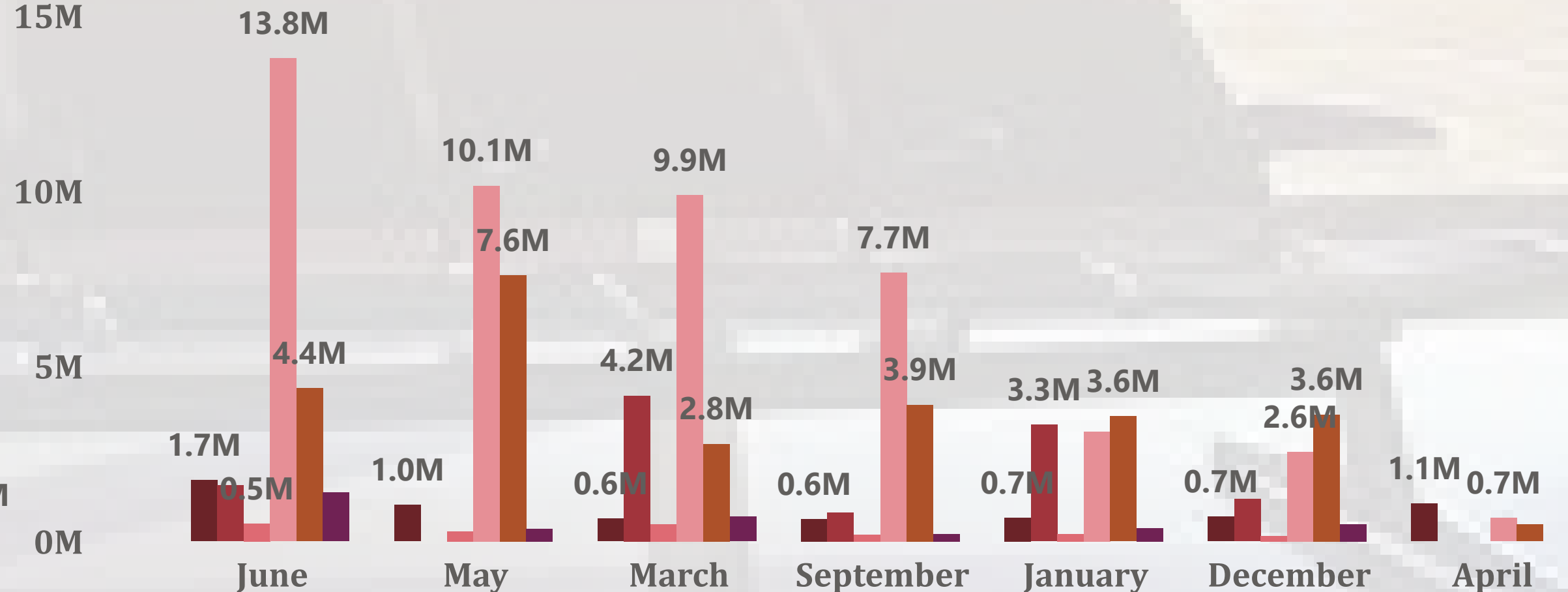
## Avg time taken by flights(in min.)



● Bangalore to D... ● Bangalore to ... ● Chennai to K... ● Delhi to Coc... ● Kolkata to B... ● Mumbai t...



● Bangalore to D... ● Bangalore to ... ● Chennai to K... ● Delhi to Coc... ● Kolkata to ... ● Mumbai t...





# Pricing Analysis

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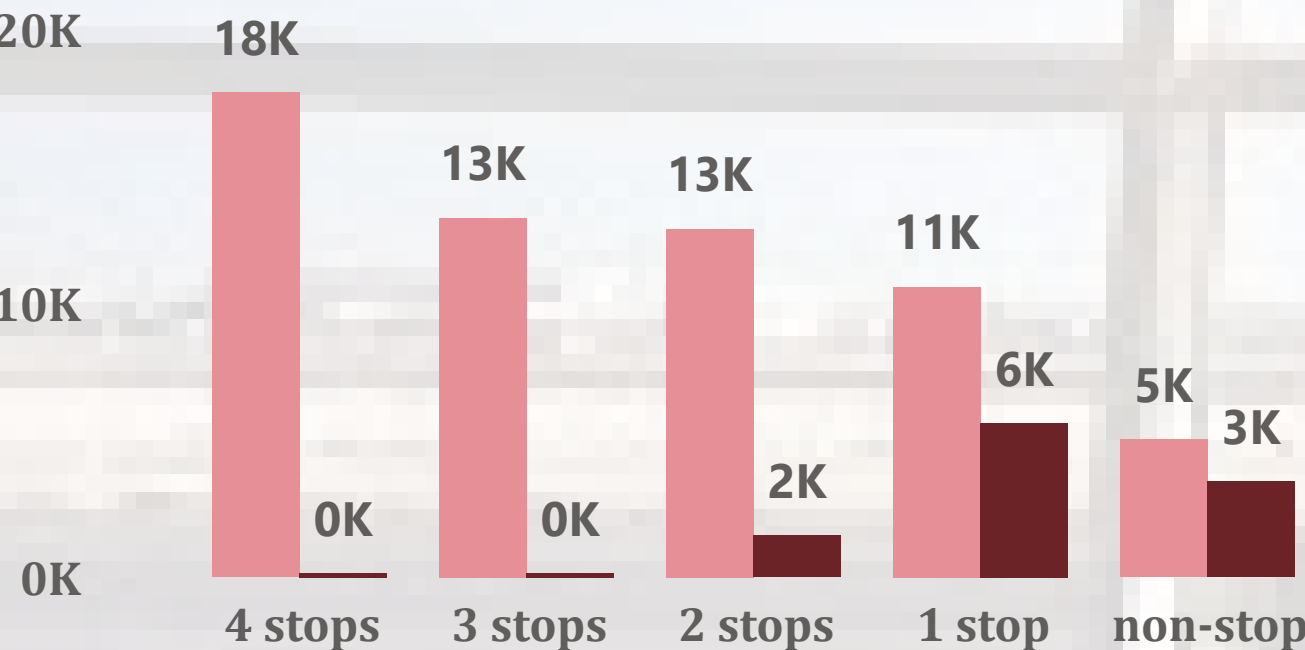
December

June

May

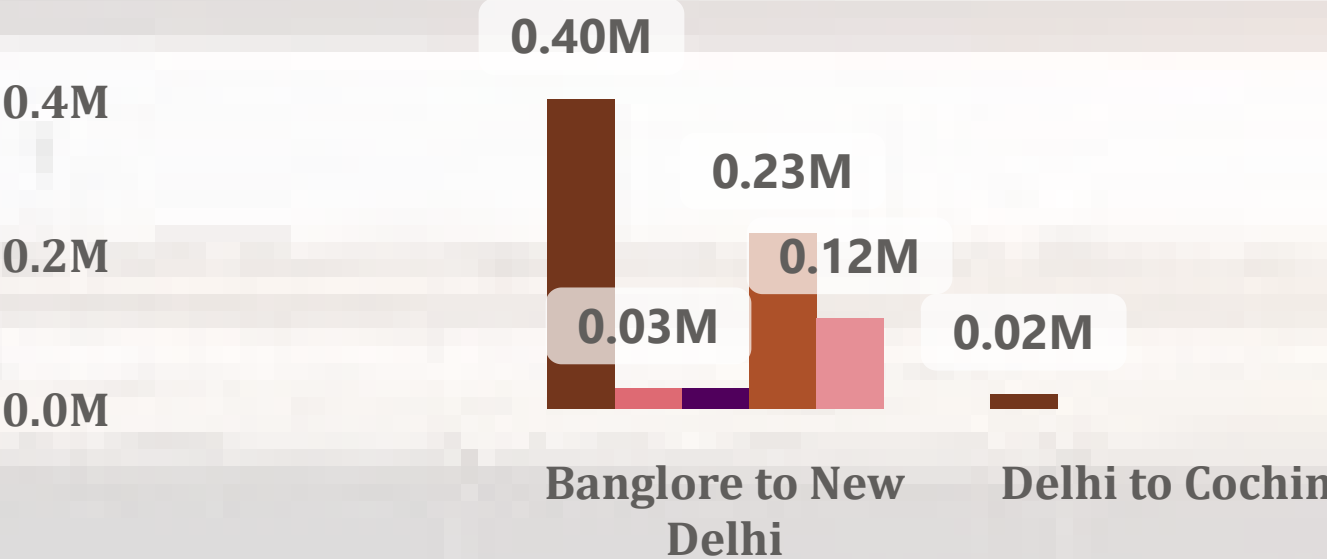
## Price according to no. of stops

● Avg price of flights ● Total No. of flights



## Impact of Additional Services on Price

● 1 Long lay... ● 1 Short la... ● 2 Long la... ● Business ... ● Change ai...



## Price based on Airlines and Flights

Airline	Avg Price	No. of flights
✚ Air Asia	5590.26	319
✚ Air India	9611.21	1752
✚ GoAir	5861.06	194
✚ IndiGo	5673.68	2053
✚ Jet Airways	11643.92	3849
✚ Jet Airways Business	58358.67	6
✚ Multiple carriers	10902.68	1196
✚ Multiple carriers Premium economy	11418.85	13
✚ SpiceJet	4338.28	818
✚ Trujet	4140.00	1
✚ Vistara	7796.35	479
✚ Vistara Premium economy	8962.33	3

## Number of Flights Vary Over a time

● Sum of Price ● No. of Flights

