

# Tableau Mini Project: Flight Price Analysis

## Dashboard Link →

[https://public.tableau.com/app/profile/shardhanjali.nag/viz/FlightPriceAnalysis\\_17402329837680/Home?publish=yes](https://public.tableau.com/app/profile/shardhanjali.nag/viz/FlightPriceAnalysis_17402329837680/Home?publish=yes)

## Summary:

The Flight Price Analysis Dashboard provides a detailed overview of flight price variations across different dimensions:

### 1. Average Ticket Price:

- **Economy:** ₹6,570
- **Business:** ₹52,540
- **Insight:** Business class fares are significantly higher than Economy, indicating a premium for enhanced services.

### 2. Highest and Lowest Prices by Airline:

- **Highest Average Price:** Vistara (₹30,400)
- **Lowest Average Price:** AirAsia (₹4,100)
- **Insight:** Vistara tends to be the premium airline, while AirAsia offers budget-friendly options.

### 3. Booking Time Impact:

- **1-2 Days Before Departure:** ₹30,190 (average)
- **Insight:** Booking at the last minute significantly increases ticket prices.

### 4. Airline-Based Price Variations:

- Highest Average Price: Vistara (₹30.4K)
- Lowest Average Price: AirAsia (₹4.1K)

### 5. Source and Destination-Based Price Variations:

- Shows price variations based on different source and destination cities like Bangalore, Chennai, Delhi, etc.



### 6. Price Variation with Arrival and Departure Times:

- Analyzes how prices fluctuate with different departure and arrival times (e.g., early morning, afternoon, evening).

### 7. Impact of Booking Timing:

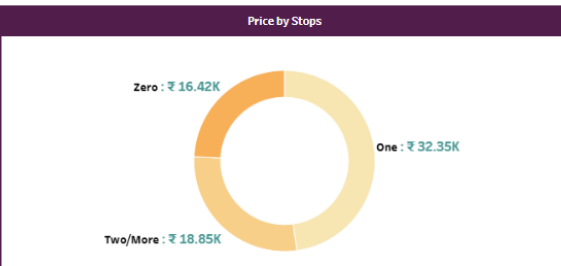
- Highlights that booking 1 or 2 days before departure is the most expensive, with an average price of ₹30.19K.

This comprehensive dashboard helps travellers understand how various factors impact flight prices, enabling them to make more cost-effective travel decisions.


VISTARA


Avg Price Variation - By Class		Minimum Price Variation - By Class		Maximum Price Variation - By Class	
Business	Economy	Business	Economy	Business	Economy
<b>₹ 55.48K</b>	<b>₹ 7.81K</b>	<b>₹ 18K</b>	<b>₹ 2K</b>	<b>₹ 123K</b>	<b>₹ 38K</b>

### Price by Stops



**Zero : ₹ 16.42K**

**One : ₹ 32.35K**

**Two/More : ₹ 18.85K**

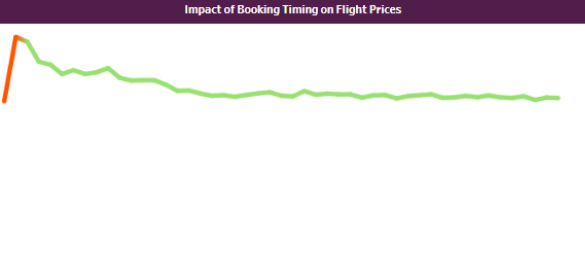
### Price Variation - Source to Destination

Source City	Destination City					
	Bangalore	Chennai	Delhi	Hyderabad	Kolkata	Mumbai
Bangalore		₹ 26.14K	₹ 28.85K	₹ 27.78K	₹ 35.75K	₹ 34.96K
Chennai	₹ 28.11K		₹ 31.10K	₹ 28.65K	₹ 31.25K	₹ 32.66K
Delhi	₹ 28.87K	₹ 30.87K		₹ 23.72K	₹ 35.70K	₹ 26.63K
Hyderabad	₹ 26.80K	₹ 28.72K	₹ 24.00K		₹ 30.93K	₹ 28.90K
Kolkata	₹ 33.50K	₹ 31.04K	₹ 33.79K	₹ 31.54K		₹ 33.42K
Mumbai	₹ 35.03K	₹ 32.18K	₹ 26.40K	₹ 29.50K	₹ 35.22K	

### Price Variation between Arrival & Departure

Arrival Time	Departure Time				
	Early_Morning	Morning	Afternoon	Evening	Night
Early_Morning	₹ 18.16K	₹ 26.68K	₹ 26.24K	₹ 33.42K	₹ 29.42K
Morning	₹ 19.99K	₹ 23.64K	₹ 29.57K	₹ 34.67K	₹ 32.69K
Afternoon	₹ 29.35K	₹ 23.01K	₹ 21.05K	₹ 27.32K	₹ 33.36K
Evening	₹ 32.17K	₹ 31.39K	₹ 25.26K	₹ 32.10K	₹ 33.00K
Night	₹ 32.71K	₹ 33.52K	₹ 31.43K	₹ 25.70K	₹ 23.81K
Late_Night	₹ 53.92K	₹ 34.26K	₹ 29.77K	₹ 27.55K	₹ 16.98K

### Impact of Booking Timing on Flight Prices



Days Left



Avg Price Variation - By Class		Minimum Price Variation - By Class		Maximum Price Variation - By Class	
Business	Economy	Business	Economy	Business	Economy
₹ 47.13K	₹ 7.31K	₹ 12K	₹ 2K	₹ 91K	₹ 42K



Price Variation - Source to Destination

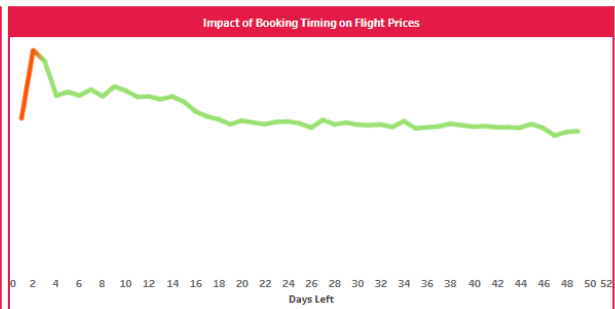
Destination City: ₹ 18.79K to ₹ 29.75K

Source City	Bangalore	Chennai	Delhi	Hyderabad	Kolkata	Mumbai
Bangalore		₹ 26.77K	₹ 20.70K	₹ 23.40K	₹ 29.11K	₹ 25.63K
Chennai	₹ 29.79K		₹ 20.40K	₹ 27.04K	₹ 29.02K	₹ 23.19K
Delhi	₹ 20.51K	₹ 23.53K		₹ 18.79K	₹ 21.91K	₹ 23.70K
Hyderabad	₹ 26.46K	₹ 26.89K	₹ 19.66K		₹ 24.06K	₹ 19.11K
Kolkata	₹ 28.59K	₹ 28.79K	₹ 23.26K	₹ 23.27K		₹ 24.00K
Mumbai	₹ 25.45K	₹ 22.21K	₹ 22.27K	₹ 18.80K	₹ 23.86K	

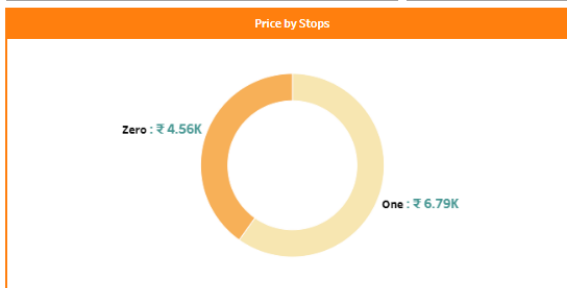
Price Variation between Arrival & Departure

Departure Time: ₹ 2.62K to ₹ 7.25K

Arrival Time	Early_Morning	Morning	Afternoon	Evening	Night	Late_Night
Early_Morning	₹ 3.73K			₹ 4.15K	₹ 3.08K	₹ 3.67K
Morning	₹ 4.22K	₹ 2.66K		₹ 4.46K	₹ 3.36K	
Afternoon	₹ 4.46K	₹ 4.59K	₹ 2.62K	₹ 4.33K	₹ 3.55K	
Evening	₹ 4.94K	₹ 4.40K	₹ 4.39K	₹ 3.67K		
Night	₹ 4.36K	₹ 3.84K	₹ 5.03K	₹ 4.00K	₹ 3.14K	
Late_Night	₹ 7.25K	₹ 3.46K	₹ 3.87K	₹ 3.90K	₹ 3.54K	₹ 5.19K



Avg Price Variation - By Class		Minimum Price Variation - By Class		Maximum Price Variation - By Class	
Economy		Economy		Economy	
₹ 6.18K		₹ 1K		₹ 34K	



Price Variation - Source to Destination

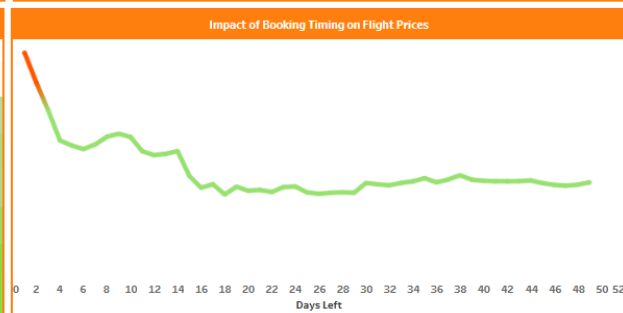
Destination City: ₹ 2.43K to ₹ 7.25K

Source City	Bangalore	Chennai	Delhi	Hyderabad	Kolkata	Mumbai
Bangalore		₹ 2.61K	₹ 6.90K	₹ 4.34K	₹ 5.30K	₹ 6.06K
Chennai	₹ 2.43K		₹ 5.88K	₹ 3.29K	₹ 4.67K	₹ 5.47K
Delhi	₹ 6.68K	₹ 6.00K		₹ 5.83K	₹ 7.03K	₹ 4.63K
Hyderabad		₹ 3.38K	₹ 5.81K		₹ 6.77K	
Kolkata	₹ 5.89K	₹ 5.81K	₹ 6.92K	₹ 7.25K		₹ 7.25K
Mumbai	₹ 5.60K	₹ 5.13K	₹ 4.55K		₹ 7.07K	

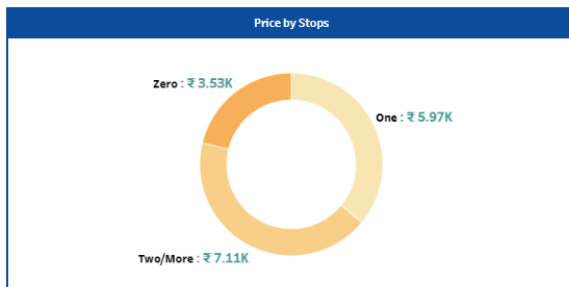
Price Variation between Arrival & Departure

Departure Time: ₹ 4.90K to ₹ 9.00K

Arrival Time	Early_Morning	Morning	Afternoon	Evening	Night
Early_Morning	₹ 4.90K	₹ 5.56K	₹ 6.53K	₹ 5.71K	₹ 6.20K
Morning	₹ 5.09K	₹ 6.34K	₹ 7.30K	₹ 6.12K	₹ 5.93K
Afternoon	₹ 6.55K	₹ 6.50K	₹ 8.84K	₹ 6.37K	₹ 6.03K
Evening	₹ 8.18K	₹ 7.81K	₹ 7.23K	₹ 6.92K	₹ 5.62K
Night	₹ 6.51K	₹ 6.77K	₹ 7.77K	₹ 5.09K	₹ 5.31K
Late_Night	₹ 7.18K	₹ 5.56K	₹ 9.00K	₹ 6.29K	₹ 5.27K



Avg Price Variation - By Class	Minimum Price Variation - By Class	Maximum Price Variation - By Class
Economy	Economy	Economy
₹ 5.65K	₹ 1K	₹ 33K

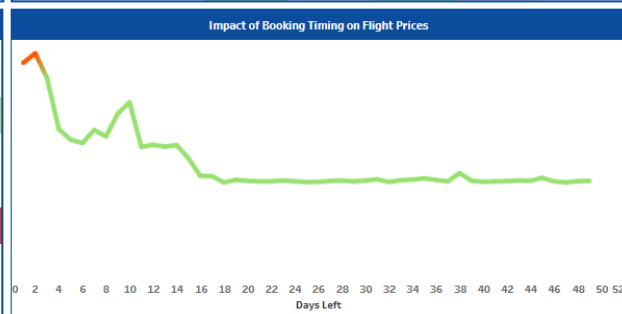


**Price Variation - Source to Destination**

Source City	Bangalore	Chennai	Delhi	Hyderabad	Kolkata	Mumbai
Bangalore		₹ 5.35K	₹ 5.52K	₹ 4.83K	₹ 5.79K	₹ 5.53K
Chennai	₹ 5.64K		₹ 4.99K	₹ 1.61K	₹ 7.93K	₹ 4.21K
Delhi	₹ 5.66K	₹ 5.09K		₹ 5.39K	₹ 6.36K	₹ 5.76K
Hyderabad	₹ 4.73K	₹ 1.94K	₹ 5.74K		₹ 5.03K	₹ 4.67K
Kolkata	₹ 6.77K	₹ 9.37K	₹ 6.73K	₹ 5.49K		₹ 6.53K
Mumbai	₹ 5.42K	₹ 4.30K	₹ 5.63K	₹ 4.60K	₹ 6.11K	

**Price Variation between Arrival & Departure**

Arrival Time	Early_Morning	Morning	Afternoon	Evening	Night	Late_Night
Early_Morning	₹ 3.84K		₹ 6.70K	₹ 6.01K	₹ 5.64K	₹ 4.09K
Morning	₹ 4.61K	₹ 3.78K	₹ 7.40K	₹ 6.61K	₹ 4.98K	
Afternoon	₹ 5.65K	₹ 6.12K	₹ 3.14K		₹ 5.54K	
Evening	₹ 6.05K	₹ 7.09K	₹ 4.60K	₹ 2.89K		₹ 7.15K
Night	₹ 6.40K	₹ 6.34K	₹ 5.96K	₹ 5.10K	₹ 3.39K	
Late_Night		₹ 5.75K	₹ 5.50K	₹ 5.61K	₹ 3.68K	



Avg Price Variation - By Class	Minimum Price Variation - By Class	Maximum Price Variation - By Class
Economy	Economy	Economy
₹ 5.32K	₹ 1K	₹ 32K

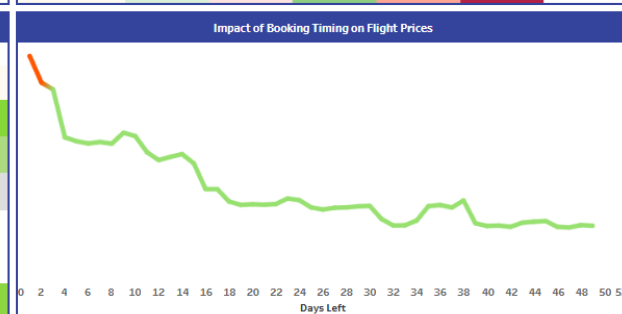


**Price Variation - Source to Destination**

Source City	Bangalore	Chennai	Delhi	Hyderabad	Kolkata	Mumbai
Bangalore		₹ 2.36K	₹ 6.27K	₹ 3.22K	₹ 6.23K	₹ 5.11K
Chennai	₹ 2.85K		₹ 5.25K	₹ 3.64K	₹ 5.67K	₹ 5.01K
Delhi	₹ 6.08K	₹ 5.16K		₹ 4.82K	₹ 6.00K	₹ 4.47K
Hyderabad	₹ 3.20K	₹ 3.92K	₹ 5.17K		₹ 5.68K	₹ 6.08K
Kolkata	₹ 5.85K	₹ 5.63K	₹ 6.14K	₹ 7.08K		₹ 6.19K
Mumbai	₹ 4.64K	₹ 5.18K	₹ 3.94K	₹ 5.87K	₹ 7.42K	

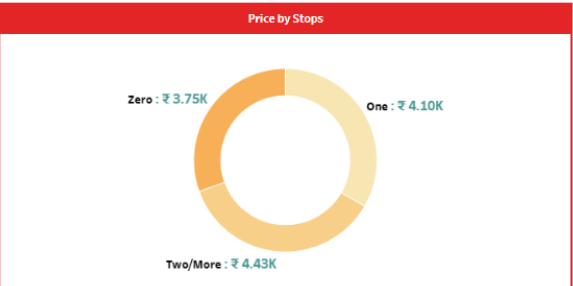
**Price Variation between Arrival & Departure**

Arrival Time	Early_Morning	Morning	Afternoon	Evening	Night	Late_Night
Early_Morning	₹ 3.30K			₹ 5.79K	₹ 4.46K	₹ 3.68K
Morning	₹ 4.67K	₹ 3.72K		₹ 9.15K	₹ 5.57K	₹ 4.80K
Afternoon	₹ 5.76K	₹ 5.51K	₹ 3.71K			₹ 6.22K
Evening	₹ 6.56K	₹ 6.41K	₹ 5.74K	₹ 4.01K		
Night	₹ 7.05K	₹ 7.05K	₹ 5.83K	₹ 4.78K	₹ 3.57K	
Late_Night			₹ 5.97K	₹ 5.38K	₹ 4.21K	₹ 3.80K





Avg Price Variation - By Class	Minimum Price Variation - By Class	Maximum Price Variation - By Class
Economy	Economy	Economy
₹ 4.09K	₹ 1K	₹ 32K



Price Variation - Source to Destination

Source City	Destination City				
	Bangalore	Chennai	Delhi	Hyderabad	Kolkata
Bangalore		₹ 2.07K	₹ 4.81K	₹ 2.93K	₹ 4.44K
Chennai	₹ 1.91K		₹ 3.70K	₹ 2.05K	₹ 3.68K
Delhi	₹ 5.32K	₹ 3.39K		₹ 4.73K	₹ 4.16K
Hyderabad	₹ 3.14K	₹ 2.61K	₹ 3.96K		₹ 3.27K
Kolkata	₹ 4.63K	₹ 4.91K	₹ 4.38K	₹ 4.85K	
Mumbai	₹ 3.58K	₹ 2.91K	₹ 4.03K	₹ 3.07K	₹ 3.98K

Price Variation between Arrival & Departure

Arrival Time	Departure Time					
	Early_Morning	Morning	Afternoon	Evening	Night	Late_Night
Early_Morning	₹ 3.73K			₹ 4.15K	₹ 3.08K	₹ 3.67K
Morning	₹ 4.22K	₹ 2.66K		₹ 4.46K	₹ 3.36K	
Afternoon	₹ 4.46K	₹ 4.59K	₹ 2.62K	₹ 4.33K	₹ 3.55K	
Evening	₹ 4.94K	₹ 4.40K	₹ 4.39K	₹ 3.67K		
Night	₹ 4.36K	₹ 3.84K	₹ 5.03K	₹ 4.00K	₹ 3.14K	
Late_Night	₹ 7.25K	₹ 3.46K	₹ 3.87K	₹ 3.90K	₹ 3.54K	₹ 5.19K

