	df=pd.read_csv("Data_Train.csv") df.head() Airline Date_of_Journey Source Destination Route Dep_Time Arrival_Time Duration Total_Stops Additional_Info Price Destination No info 3897
	Air India 1/05/2019 Kolkata Banglore CCU ? IXR ? BBI ? BLR 05:50 13:15 7h 25m 2 stops No info 7662 2 Jet Airways 9/06/2019 Delhi Cochin DEL ? LKO ? BOM ? COK 09:25 04:25 10 Jun 19h 2 stops No info 13882 3 IndiGo 12/05/2019 Kolkata Banglore CCU ? NAG ? BLR 18:05 23:30 5h 25m 1 stop No info 6218 4 IndiGo 01/03/2019 Banglore New Delhi BLR ? NAG ? DEL 16:50 21:35 4h 45m 1 stop No info 13302
1 1 1	
< R D	df.info()
21222 3444 N	df["Duration"].value_counts() 20
ADSDRDAD	Checking Null Value df.isnull().sum() virline
APd	Total_Stops of which the price of stripe into a stripe int
3 4	Air India 1/05/2019 Kolkata Banglore CCU ? IXR ? BBI ? BLR 05:50 13:15 7h 25m 2 stops No info 7662 1 2 Jet Airways 9/06/2019 Delhi Cochin DEL ? LKO ? BOM ? COK 09:25 04:25 10 Jun 19h 2 stops No info 13882 9 3 IndiGo 12/05/2019 Kolkata Banglore CCU ? NAG ? BLR 18:05 23:30 5h 25m 1 stop No info 6218 12
;	Data Visualization sns.catplot(y = "Price", x = "Airline", data = df.sort_values("Price", ascending = False), kind="boxen", height = 6, aspect = 3) plt.show() ### Price
Price	5000 - 3000 - 2000 - 1000 -
,	Let Airway's Business Jet Airways Multiple carriers Air India SpiceJet GoAir IndiGo VistaraMultiple carriers Premium economylir Asia Vistara Premium economy Trujet Airline = df[["Airline"]] Airline = pd.get_dummies(Airline, drop_first= True) Airline.head() Airline_Air India Airline_GoAir Airline_IndiGo Airline_Jet Airways Business Airline_Multiple carriers Premium economy Airline_SpiceJet Airline_Trujet Airline_Trujet Airline_Vistara Premium economy Airline_SpiceJet Airline_Trujet Airline_Vistara Premium economy Airline_Trujet Airline_Vistara Premium economy Airline_Trujet Airline_Vistara Premium economy Airline
D K B M C	
	sns.catplot(y = "Price", x = "Source", data = df.sort_values("Price", ascending = False), kind="boxen", height = 4, aspect = 3) 80000
;	
CBDNHKN	df["Destination"].value_counts() Cochin
0 1 2	2 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
1 1 1 1 1 1 1 2 3 4	BLR ? NAG ? DEL 10678
0 1 2	df.replace({"non-stop": 0, "1 stop": 1, "2 stops": 2, "3 stops": 3, "4 stops": 4}, inplace = True) df.head() Airline Date_of_Journey Source Destination Route Dep_Time Arrival_Time Duration Total_Stops Additional_Info Price Journey. IndiGo 24/03/2019 Banglore New Delhi BLR? DEL 22:20 01:10 22 Mar 2h 50m non-stop No info 3897 24 Airlindia 1/05/2019 Kolkata Banglore CCU? IXR? BBI? BLR 05:50 13:15 7h 25m 2 stops No info 7662 1 2 Jet Airways 9/06/2019 Delhi Cochin DEL? LKO? BOM? COK 09:25 04:25 10 Jun 19h 2 stops No info 13882 9 3 IndiGo 12/05/2019 Kolkata Banglore CCU? NAG? BLR 18:05 23:30 5h 25m 1 stop No info 6218 12
(IndiGo 01/03/2019 Banglore New Delhi BLR ? NAG ? DEL 16:50 21:35 4h 45m 1 stop No info 13302 1 df = pd.concat([df, Airline, Source, Destination], axis = 1) df = pd.concat([df, Airline, Source, Destination], axis = 1) Airline Date_of_Journey Source Destination Route Dep_Time Arrival_Time Duration Total_Stops Additional_Info Airline_Vistara Premium economy Premium economy Source_Chennal Source_Delhi Source_Kolkata Source_Mumbai Destination_Cochin Destination_Delhi Destination_Hyderabad Destination_Lyderabad Destinatio
3	2
0 1 2 3 4 5 6 7 8 9	IndiGo 12/05/2019 Kolkata Banglore CCU ? MAA ? BLR 06:20 10:20 4h 1 stop No info
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