

Project Airfare Proposal

Predicting Airline Prices

Bianca Orozco

Domain

Expedia provides convenient travel packages to destinations all over the world including real-time flight comparison. The company began as Microsoft Expedia Travel Services in 1996 and has proven to be a successful platform for travel planning. A question I'm looking to answer is, "What affects the cost of a plane ticket?" This dataset will be taking a closer look at airline prices and their potentially contributing factors at 8 major cities: Atlanta, Los Angeles, Chicago, Dallas, Denver, New York, San Francisco, and Seattle.

MVP

The analysis will predict flight prices on an daily basis.

	Variable	Type	Description	Used for Model
1.	Flight ID	Int	Numbering flight data	N
2.	Departure Times (in minutes)	Int	12-Hour Time; Ex: 9:03am = 543 minutes	Y
3.	Arrival Times (in minutes)	Int	12-Hour Time; ex: 11:15pm = 1395 minutes	Y
4.	Airline	String	Ex: United	Y
5.	Duration (minutes)	Int	Ex: 2h 55m = 175 minutes	Y
6.	Stops	Int	Ex: Nonstop, 1 Stop	Y
7.	Departure Airport	String	Departing Airport; Ex: 'Seattle SEA'	Y
8.	Arrival Airport	String	Arriving Airport; Ex: 'Los Angeles LAX'	Y
9.	Prices	Int	Ex: \$116 = 116	Y
10.	Flight Date	String	Day of flight	Y