

Project Airfare Proposal

Predicting Christmas Airline Prices

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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. Flight prices are also known to change as the date of one's prospective flight approaches. A common question is "When is the best time to book your flight?" This dataset will be taking a closer look at the flight prices from Seattle, WA to Los Angeles, CA on December 25th.

MVP

The analysis will predict the changing airfare on a daily basis as December 25th approaches.

Variable	Type	Description	Used for Model
Airport Out	String	Departing Airport; Ex: 'SEA'	Y
Airport In	String	Arriving Airport; Ex: 'LAX'	Y
Departure time	String	12-Hour Time; Ex: 9:03am	Y
Arrival Time	String	12-Hour Time; ex: 11:58am	Y
Flight Time	String	Ex: 2h 55m	Y
Airline	String	Ex: United	Y
Stops	String	Ex: Nonstop, 1 Stop	Y
Price	String	Ex: \$116	Y
Airline Score	String	Ex:(8/10)	Y
Airline Experience	String	Customer Experience based on score; Ex: 'Very Good Flights'	Y
Date Scraped	String	Date data was scraped	Y
Days til Xmas	Int	A countdown from date data was scraped to Xmas	Y