DATA FIELD DESCRIPTION -- PREMIUM ECONOMY VS ECONOMY

This dataset describes information about Premium Economy and Regular Economy Air Tickets.

- We collected data in May for hypothetical future travel in July, August, September and October.
- We visited the websites of the following six airlines British Airways, Delta Airlines, Air France, Singapore Airlines, Virgin Airlines, Jet Airways.
- We selected a variety of routes on which each airline flies (e.g. British Airways flying from London to Frankfurt).
- We recorded the price of purchasing a Economy Ticket and a Premium Economy Ticket from the airline website.
- We used the website Seat Guru to get additional information about the Aircraft being used by each airline on each route.
- This generated a dataset having the following data fields:

DATA FIELD	UNITS	MEANING
Airline	Factor	**Factor variable denoting the name of the Airline** **There are 6 airlines in the data:** British Airways Delta Airlines Air France Singapore Airlines Virgin Airlines Jet Airways
Aircraft	Factor	**Manufacturer of the Airplane / Aircraft e.g.** **Boeing** **Airbus**
TravelMonth	Factor	**Factor variable denoting the month Travel** **Jul** **Aug** **Sep** **Oct**
FlightDuration	Hours	**Flight Duration**
IsInternational	Factor	**International or Domestic Flight w.r.t.** **Airlines' Home Country**

SeatsEconomy	Number	Number of Economy Seats in the Aircraft
SeatsPremium	Number	Number of Premium Economy Seats in the Aircraft
PitchEconomy	Number (Inches)	Distance between two consecutive Economy Seats
PitchPremium	Number (Inches)	Distance between two consecutive Premium Economy Seats
WidthEconomy	Number (Inches)	Width between armrests of an Economy Seat
WidthPremium	Number (Inches)	Width between armrests of a Premium Economy Seat
PriceEconomy	Number (USD)	Price of Economy Seat
PricePremium	Number (USD)	Price of Premium Economy Seat
PriceRelative	(PricePremium - PriceEconomy) / PriceEconomy	
SeatsTotal	SeatsEconomy + SeatsPremium	
PercentPremiumSeats	(SeatsPremium / SeatsTotal) * 100	
PitchDifference	PitchPremium - PitchEconomy	
WidthDifference	WidthPremium - WidthEconomy	