ADS 506: Monthly Amtrak Ridership Forecasting Final Project

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Libraries

```
library(astsa)
library(zoo)
library(xts)
library(pander)
library(tidyverse)
library(lubridate)
```

Data Set

Code:

```
# Load the data set from CSV file
df <- read.csv("/Coding//Monthly-Amtrak-Ridership-Forecasting/Data/Amtrak Ridership Data.csv")
# Rename columns
names(df)[1] <- 'Dates'
names(df[2]) <- 'Number_of_Passengers'

# First 12 months in 1991
head(df, n = 12) %>%
    pander(style = "grid", caption = "First 12 Months - 1991")
```

Table 1: First 12 Months - 1991

Dates	Number.of.Passengers	
Jan-91	1708917	
Feb-91	1620586	
Mar-91	1972715	
Apr-91	1811665	
May-91	1974964	
Jun-91	1862356	
Jul-91	1939860	
Aug-91	2013264	
Sep-91	1595657	
Oct-91	1724924	
Nov-91	1675667	
Dec-91	1813863	

Amtrak Ridership, 1991-2013

