

# Title

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R version: 3.5.0

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This document can be found at <https://github.com/darwinanddavis/UsefulCode>

R session info

R version 3.5.0 (2018-04-23)

Platform: x86\_64-apple-darwin15.6.0 (64-bit)

Running under: OS X El Capitan 10.11.6

Matrix products: default

BLAS: /Library/Frameworks/R.framework/Versions/3.5/Resources/lib/libRblas.0.dylib

LAPACK: /Library/Frameworks/R.framework/Versions/3.5/Resources/lib/libRlapack.dylib

locale:

[1] en\_US.UTF-8/en\_US.UTF-8/en\_US.UTF-8/C/en\_US.UTF-8/en\_US.UTF-8

attached base packages:

[1] stats graphics grDevices utils datasets methods base

loaded via a namespace (and not attached):

[1] compiler\_3.5.0 tools\_3.5.0 htmltools\_0.3.6 pillar\_1.3.1 rstudioapi\_0.7 tibble\_2.1.1  
[7] yaml\_2.2.0 crayon\_1.3.4 Rcpp\_1.0.1 rmarkdown\_1.12 knitr\_1.22 xfun\_0.6  
[13] digest\_0.6.18 pkgconfig\_2.0.2 rlang\_0.3.4 evaluate\_0.14

## Overview

This document ...

## Install dependencies

```
packages <- c("rgdal", "dplyr", "zoo", "RColorBrewer", "viridis", "plyr", "digitize", "jpeg", "devtools",
  "imager", "dplyr", "ggplot2", "ggribes", "ggjoy", "ggthemes", "svDialogs", "data.table", "tibble",
  "extrafont", "sp")
if (require(packages)) {
  install.packages(packages, dependencies = T)
  require(packages)
}
lapply(packages, library, character.only = T)
```

## Install dependencies

```
'data.frame': 178 obs. of 8 variables:
 $ start_lat: num 32.9 42 32.9 18.4 32.9 ...
 $ start_lon: num -97 -87.9 -97 -66 -97 ...
 $ end_lat : num 35 30.2 41.9 41.9 33.6 ...
 $ end_lon : num -106.6 -97.7 -72.7 -72.7 -86.8 ...
 $ airline : Factor w/ 1 level "AA": 1 1 1 1 1 1 1 1 1 1 ...
 $ airport1 : Factor w/ 57 levels "ATL","AUS","BDL",...: 11 38 11 50 11 32 11 32 38 50 ...
 $ airport2 : Factor w/ 58 levels "ABQ","AUS","BDL",...: 1 2 3 3 4 5 6 6 6 6 ...
 $ cnt      : int 444 166 162 56 168 56 422 392 430 56 ...
```

