Alabama Roads Project

Background

This is a 'proof of concept' exercise that will attempt the predict road saftey using the Google streetview api and a retrained (transfer learning based) version of Tensorflow to enable mass prediction of roads on large datasets. The ultimate output would be a heat map/scoring of predicted road saftey across Alabama.

The outline of the process is as follows:

1) Take streetview photos

To do this we will use the road shapefile in the raw project data folder ~/Dropbox/pkg.data/alabama_roads/raw/us82erik/. If you do not currently have access to the folder, you can download the folder by going to [DropboxWebLink][https://www.dropbox.com/sh/b7hkvg1xn4nvf87/AADjCfnu1eltuUKyX5HTWvl7a?dl=1]. Ideally, you should be able to dynamically link locally by using Dropbox desktop...

This is an R Markdown document. Markdown is a simple formatting syntax for authoring HTML, PDF, and MS Word documents. For more details on using R Markdown see http://rmarkdown.rstudio.com.

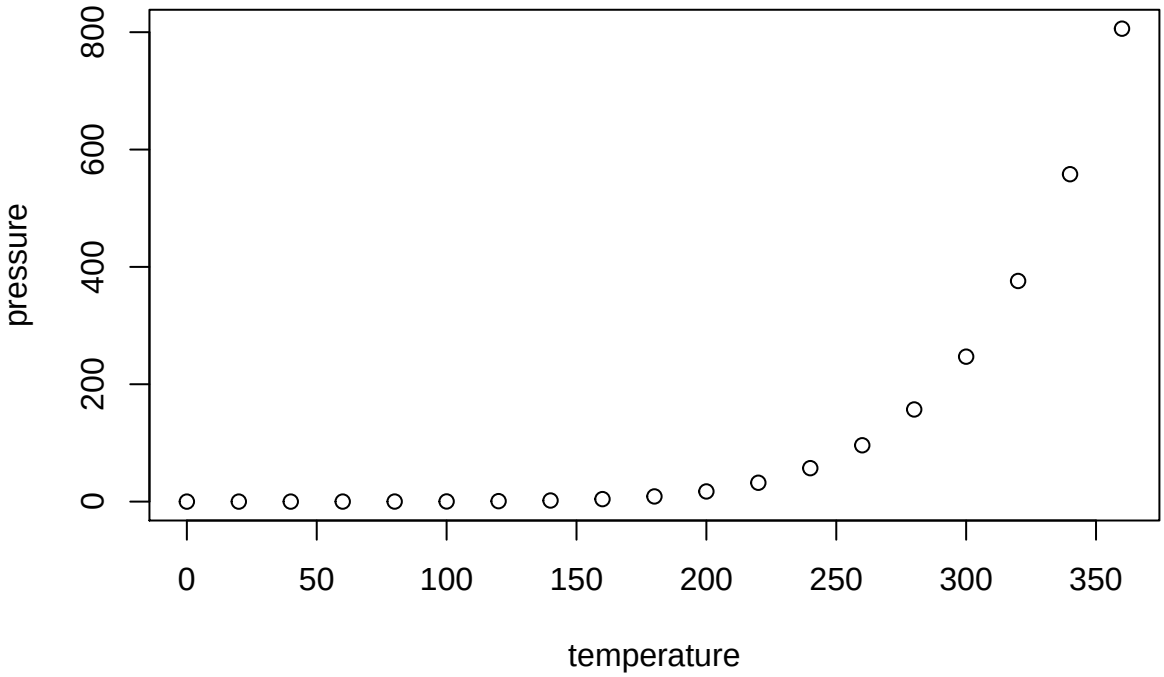
When you click the **Knit** button a document will be generated that includes both content as well as the output of any embedded R code chunks within the document. You can embed an R code chunk like this:

```
summary(cars)
```

```
##      speed           dist       
##  Min.   : 4.0   Min.   :  2.00  
##  1st Qu.:12.0   1st Qu.: 26.00  
##  Median :15.0   Median : 36.00  
##  Mean   :15.4   Mean   : 42.98  
##  3rd Qu.:19.0   3rd Qu.: 56.00  
##  Max.   :25.0   Max.   :120.00
```

Including Plots

You can also embed plots, for example:



Note that the `echo = FALSE` parameter was added to the code chunk to prevent printing of the R code that generated the plot.