Instructions to Run

## Python Notebook (CrimeData.ipynb)

* Extract all contents of the project .zip file into any folder on your computer but do not change the directory structure within the extracted folder.
* Ensure you install the following Python packages before running:
  + glob
  + string
  + pandas
  + numpy
  + os
* To install the h2o package, follow the instructions under the “Install in Python” tab in the following link: <http://h2o-release.s3.amazonaws.com/h2o/rel-xu/4/index.html>

## R Studio/R Shiny (CrimeViewer/app.R)

* Ensure you install the following packages before running
  + shiny
  + shinythemes
  + leaflet
  + rgdal
  + ggplot2
* To install the h2o package, follow the instructions under the “Install in R” tab in the following link: <http://h2o-release.s3.amazonaws.com/h2o/rel-xu/4/index.html>
* In line 34, ensure the variable model\_path is assigned the string equivalent to the path of the “GBM\_model” file of the extracted project folder
  + Do NOT insert a slash (“/”) at the end of the path

## Notes

* It is important that you install h2o for both Python and R using the links in the instructions above for model file compatibility