

SYNOPSIS

DATA ANALYTICS AND DATA DRIVEN DECISION (2017-18)

TOPIC: *Crime Reporting in 'the USA'*

Data Set Source :

- [Los Angeles Crime Data](#)
- [USA - FBI crime dataset 2014](#)
- [USA - FBI crime dataset 2015](#)

Major Analysis to be carried out:

- 1) We will analyze the two different data sets corresponding to 2014 and 2015 related to crimes in USA.
- 2) The data sets are available state wise.
- 3) We will present data state-wise for US on map and would also do the statistical analysis.
- 4) For more refined analysis we will show a more detailed analysis focused on Los-Angeles for 2014 and 2015.
- 5) We will show crimes rates in LA over map and compare the crimes for two years.
- 6) For more statistical part, we will be verifying "NULL-Hypothesis" regarding mean crimes in 2014 and 2015.
- 7) Also, we will try to run regression analysis over the available data set, to predict crimes in 2016.
- 8) We will be running different algorithms of regression and then choose the best one for prediction.

Hence, we are covering all the major topics covered in this course.

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