**Part I. Abortion Prediction**

* Background: Abortion Laws
* Data Source

We found historical abortion rate data of New York city from Centers for Disease Control and Prevention (CDC), who offers reproductive health report [1] annually, thus we got a list of abortion data from 1982 – 2015. Still, with some data missing, we try to find a better data source.

Another option is using Alan Guttmacher Institute (AGI) survey’s data which is 1971 – 2016, and still has many data missing. Finally, we found a historical abortion statistic of New York State [2], which gave data range from 1930 – 2018, which contains both CDC and AGI data.

* Missing data
* Cointegrated
* Stationary or not?
* Granger Causality

**Part II. Linear Regression Model**

**Reference**

Johnston, R. (2018, November). Historical abortion statistics, New York (USA). Retrieved November, 2018, from <http://www.johnstonsarchive.net/policy/abortion/usa/ab-usa-NY.html>

Reproductive Health. (2017, November 16). Retrieved November 10, 2018, from <https://www.cdc.gov/reproductivehealth/data_stats/abortion.htm>

Brownlee, J. (2018, October 18). How to Check if Time Series Data is Stationary with Python. Retrieved November 21, 2018, from <https://machinelearningmastery.com/time-series-data-stationary-python/>