**Hit and Clear Prediction:**

Input Variables:

* State
* County
* Product(Crim, Drug etc)
* Person Name
* DOB
* Gender

**Output Variables:**

* Hit
* Clear

**Modal:**

Classification

**Issues with Data and Modal:**

1. Insufficient Input variables, Usually a modal required min 15 to 20 variables.
2. State and county are the employee birth place or job place.

**Feature Engineering:**

1. Adding new variables

**Adding new Variables:**

Variables should give the information of candidates **behavioral** and **environmental** happenings ex:

1. Name of Person
2. State
3. County
4. Birthdate (Age)
5. Gender
6. Race/ Ancestral Nationality
7. Marital Status - NA
8. Address (Past stayed locations)
9. Highest Education – Not Sure
10. Profession (Teaching, Mechanic etc)- Not Sure
11. Salary Range
12. Total Years of Profession experience – Not sure
13. State wise rating <https://www.usnews.com/news/best-states/rankings>
    1. Education
    2. Economy
    3. Crime Rate
    4. Opportunity etc.
14. County wise crime rate ratings. <https://www.kaggle.com/mikejohnsonjr/united-states-crime-rates-by-county#crime_data_w_population_and_crime_rate.csv>