**Mortgage Delinquency**

Cohort 16 Capstone Project for the Certificate of Data Science at Georgetown University School of Continuing Studies.

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**Introduction**

**Domain:** Mortgage Delinquency/Default Rate Data

**Hypothesis:** To take key performance indicators and create a predicative model that will allow an accurate prediction of the default or delinquency rate of a mortgage within a 60-80% accuracy.

**Project Description:**

* Mortgage Delinquency/Default rate using key performance indicators (KPI) to build a data frame model which will be used for predictive analytics to determine delinquency/default of the mortgage along with current state of the economy.
* Utilizing statistical trend and regression analysis and methodologies to test the model. Utilizing test data to test the model to accurately forecast the probability that a mortgage with become delinquent/default.
* Present the results of the model indicating the accuracy of the model and the visualization of results.

**Hypothesis and Application**

**Project Pipeline**

Project Name: **Mortgage Delinquent**

System Design

**Data Ingestion**

**Wrangling**

**Exploratory Analysis**

**Computation and Analysis**

**Modeling**

**Results**

**Model Retraining**

**Application**

**Conclusion**

**Potential future work**

**Bibliography**