# AIT 508

# Summer 2021

**Team 9**

# George Mason University

**Analysis and Modeling of Inmate Recidivism Forecasting**

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# Project Topic

**The Project Title**: Analysis and Modeling of Inmate Recidivism Forecasting

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**Team** #: 9

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* **Course Name, Number, and Section #**: AIT-580-001 (Summer 2021)
* **University Name**: George Mason University

The National Institute of Justice (NIJ), a branch of the Department of Justice Office of Justice Programs has created the “Recidivism Forecasting Challenge” with the goal of “increasing public safety and improve the fair administration of justice across the United States.” The challenge is to predict whether a convicted felon who is released on parole will commit a new crime in the future that will result in an arrest. Upon researching the challenge and given the interest of our team in the topic and repercussions of the same, we have decided to use this challenge as the topic for our project. We will be using the dataset provided by the Georgia Department of Community Supervision and Georgia Bureau of Investigation. According to the data description provided by the organizations, the data is from “roughly 26,000 individuals from the State of Georgia released from Georgia prisons on discretionary parole to the custody of the Georgia Department of Community Supervision (GDCS) for the purpose of post-incarceration supervision between January 1, 2013, and December 31, 2015.” The data has over 30 features and consist of mostly categorical, binary data. The NIJ website has split the data into training and test data sets already.

The state has provided three challenges to be solved using the dataset. We will attempt to forecast recidivism of convicted inmates during the immediate years after they have served their sentences.

# References

https://data.ojp.usdoj.gov/stories/s/daxx-hznc