Project Proposal

Machine Learning for Public Policy

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Project goals

Problem definition

Importance

Impact

Who cares

Who will take action based on your work

What are the policy goals you care about?

Data

What you have ## What you need

Analysis

We are looking to identify a risk ranking score that determines the probability that police officers will engage in adverse event/misconduct behavior[1] As explained before, our predictors will be *officer attributes and its activities* from a time-period that will predict a risk ranking score which could be used, at different thresholds, to obtain a dummy output variable $0, 1$ for a top-N list, that indicate if a officer is likely to misbehave.

What actions will this enable or improve?

Evaluation

How would you evaluate the models, what metrics?

Policy recommendations:

What kind of recommendations do you hope to give to policymakers based on this analysis/project. ## How will you validate whether what you are proposing will have the desired impact?

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[1]We refere to adverse events or misconduct behavior for the following criteria: (1) officer's improper use of force, (2) citizen or officer injury or accident and (3) any sustained serious complaint from a citizen or collegue.