

Weekly Review One

- What I have learned from the first two lecture and homework one?
 1. The definition of machine learning. P, T, E
 2. Four types of task that machine learning can be applied, description, detection, prediction, Behavior change.
 3. How to scope a machine learning project in the field of public policy:
 - step 1: Goals
 - step 2: Action and interventions
 - step 3: Data (already have, still need, where to find)
 - step 4: Analysis (methods, validation)
- Which part of the material of the lecture still puzzles me?
 1. I am still confused about the matrices that used in step 4, what's the matrices referring to? Is it some kind of set of variables?
 2. There are majority parts of the paper about the bail system of New York is about validation. Could you recommend some guideline about this? Like what kind of tests we need to do before to make sure all the assumptions hold, then we can go on to apply some machine learning methods.
- What I need to do better for the next week?

Start early!