Idea 1

My first idea is related to poverty and eviction rates. Can standards of living be estimated from night time satellite imagery? Or is there a way to predict an eviction given an eviction filing? My goal would be to find ways to "fight poverty using data".

https://evictionlab.org/get-the-data/
http://sustain.stanford.edu/predicting-poverty/

Idea 2

This idea is around product safety recalls. Given a particular product (in this case meat products) is it possible to predict the likelihood that it will be recalled? The goal would be to focus product inspection experts on higher risk products.

https://catalog.data.gov/dataset/summary-of-recall-cases-in-calendar-year

Idea 3

My last idea would be focused on predicting wildfire severity in a year given a temperature profile. The focus would be to predict the severity of natural disasters using climate data. It does not necessarily have to be wildfires, but could be anything that may be related to climate data like hurricanes or blizzards.

https://www.ncdc.noaa.gov/societal-impacts/wildfires/
http://archive.ics.uci.edu/ml/datasets/Forest+Fires