Team Krijudato
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**Project Proposal Overview:**

Our project aims to identify the residential and commercial structures with the highest flood risk in New York City. We will develop a ranking system, find those areas based on risk level, and prioritize the most risky buildings for analysis. We envisage the final product of our work as a direct marketing tool for the insurance industry.

**Data Sources:**
The source of our project's risk data is the City of New York's environment floodplain dataset. We may use ChatGPT to tag the data. We will create a machine-learning algorithm to process the data. The Google Maps API is an excellent candidate to produce a visualization of the resultant set of structures with the highest flood risk in New York City.

**Possible additional areas of study:**
If time permits, we will use the following datasets to extend our project:
- Study the relationship between water quality and flood risk
- Study the relationship between poverty and flood risk
- Study the relationship between construction materials and flood damage

1. City of New York environment floodplain dataset link:
https://data.cityofnewyork.us/Environment/Floodplain/g62a-qs52
2. City of New York environment water quality link:
https://data.cityofnewyork.us/Environment/map-water-quality/r7js-zsqm/data
3. Federal poverty dataset link:
https://catalog.data.gov/dataset/?q=poverty
4. City of New York building materials dataset:
https://data.cityofnewyork.us/City-Government/Building-Elevation-and-Subgrade-BES-/bsin-59hv