**The Concrete Deluge | STAB**  
  
**Project Team: STAB.**  
Stacey Hood, Maria Squier & Brian Labelle  
  
  
**Project Description / Outline:**  
Demonstrate the correlation of how urban construction influences water retention during natural disasters. We will utilize building permits to demonstrate city growth, FEMA / USGS for flooding and subsidence. We can support our hypothesis using flood insurance data on how many recorded flooded homes via the trends over the years. Plotting graphics, creating heatmaps to help visual the impact over the years.  
  
**Research Question to Answer?**  
**How does uncontrolled urban sprawl impact flooding ? Money.**  
  
**Datasets to be Used:  
( Real Estate Center from Texas A&M University )**  
<https://www.recenter.tamu.edu/data/building-permits/#!/msa/Houston-The_Woodlands-Sugar_Land%2C_TX>  
<http://data.houstontx.gov/dataset/other-county-flood-zones>  
  
**Rough Breakdown of Task:**  
Maria: find geological datasets.  
Stacey & Brian : supporting data wrangling find permits on urban development.  
  
  
**WHAT YOU SHOW YOUR BOSS as a final verdict…**

We need to do hypothesis testing and statistical tests for the projects.

t-statistic and p-value. < 0.05…

we’re gonna need a lot more data.

Hypothesis Testing: