

# Rising Sea Levels

An abstract graphic consisting of numerous small blue dots arranged in a series of concentric, wavy lines that sweep across the frame from the bottom left towards the top right. The dots are more densely packed in some areas, creating a sense of depth and movement. The background is a solid, dark blue.

# 1. Project Background

Topic, Partner, & Goals

# Climate Change: Rising Sea Levels

- Flooding is increasing
- Sea levels are rising
- City infrastructure is particularly vulnerable



A photograph capturing a scene of flooding on Long Wharf in Boston Harbor. In the foreground, a person wearing a bright yellow rain suit and a black helmet is wading through the water, holding a long silver pole. To their right, a red Zodiac inflatable boat is partially submerged. The boat has the 'ZODIAC' logo on its side and is equipped with various gear, including a red and white striped buoy. In the background, several black lampposts with white lanterns are visible, each with a black banner hanging from it that reads 'CH CHART HOUSE' in gold lettering. A red and white 'WARNING PERMIT PARKING ONLY' sign is also visible on the right. The water is murky and reflects the overcast sky. The overall atmosphere is one of a severe weather event.

Boston Harbor on Long Wharf  
January 4th, 2018





Congress St., Seaport  
March 2nd, 2018



South Boston  
February 9th, 2020



# Inundation District

- Project Partner: David Abel
- How will rising sea levels affect coastal cities?
- What will happen to Boston's Seaport district?

# Project Goals

- Spread awareness in the Boston community
- Motivate further research
- Widely distribute data visualizations



# 2. Creating Visualizations

Data Sources, Analysis, Tools, &  
Final Visualizations

# Analyzing Data

- Data Sources
  - NOAA
  - First Street Foundation
- Excel
- Tableau
- Adobe Illustrator & AfterEffects

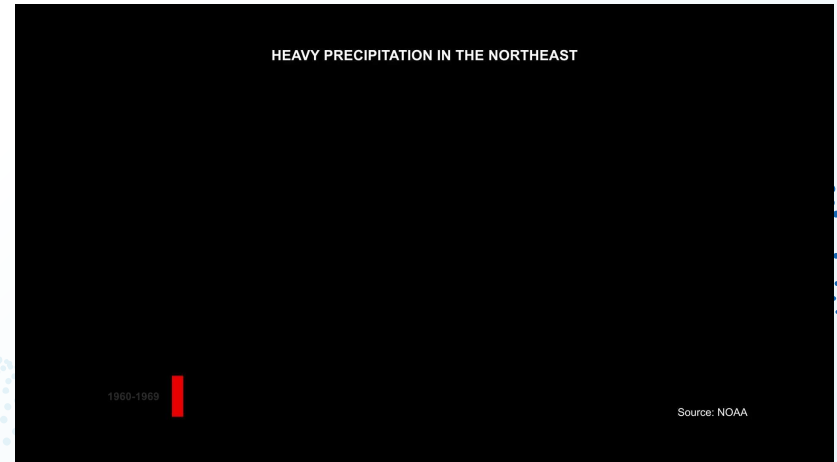
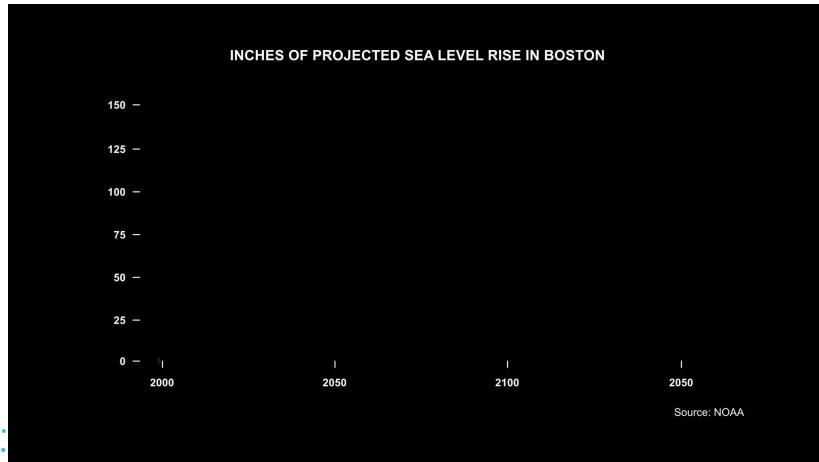
# Creating Visualizations

- Designed in Illustrator, animated in AfterEffects
- Limited color palette
- Ten-second videos



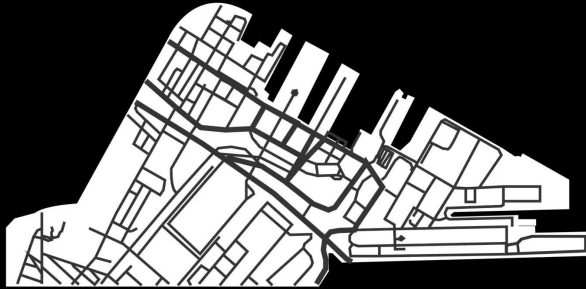


# Linear & Bar Graph Visualizations



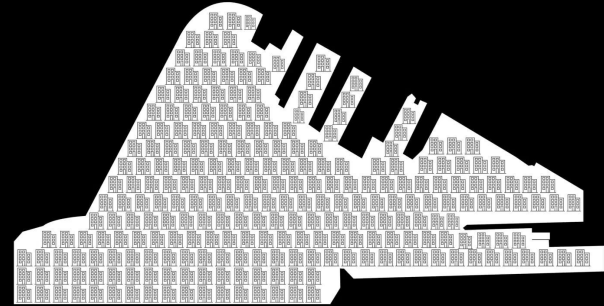
# Seaport Visualizations

SEAPORT ROAD AT RISK OF FLOODING



Source: First Street Foundation

SEAPORT PROPERTIES AT RISK OF FLOODING



Source: First Street Foundation

# 3. Live Demo

Site Presentation





# Work Cited

- Images:
  - The Boston Globe, Creator: Michael Dwyer
  - Boston.com, Creator: John Tlumacki
  - Wset.com, Creator: unknown

# Thanks!

Any questions?

