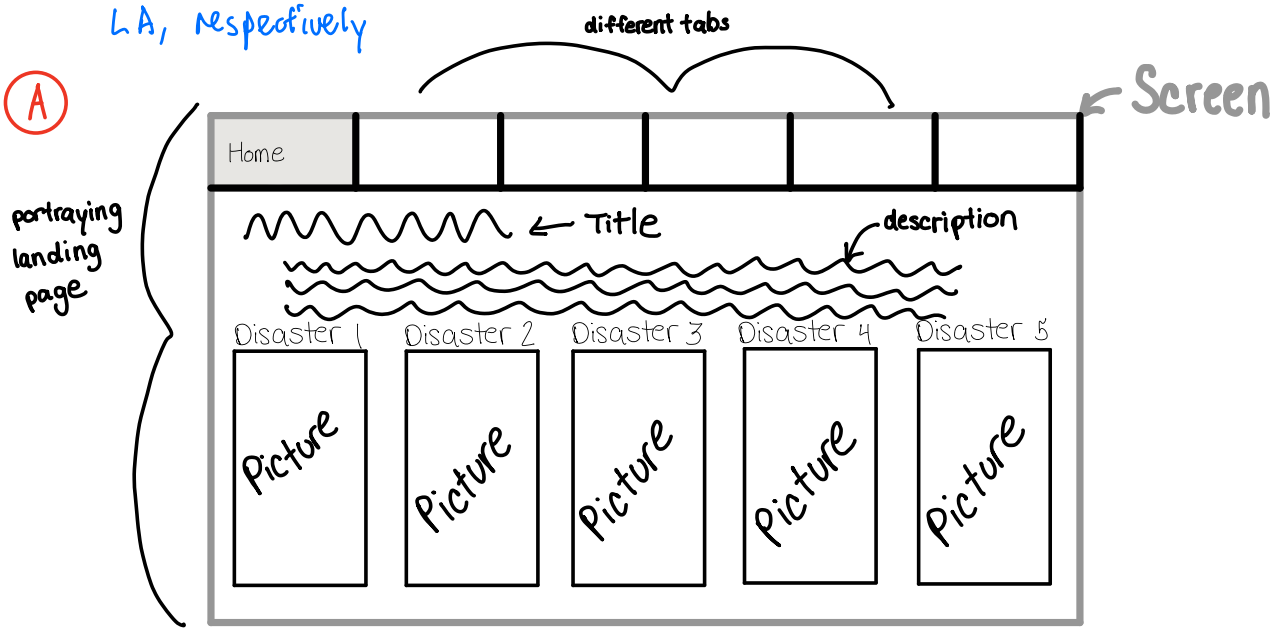
Process Book:
Data Vis Project

Rethinking Real Estate through Climate Change

Real estate investing has been climbing in recent years. However, have we ever considered how climate change makes an impact?

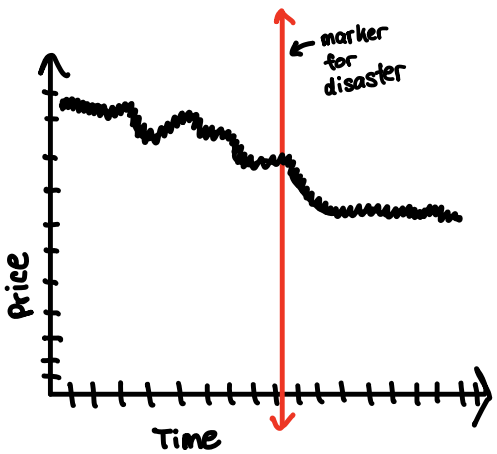
Each disaster will have two different visualizations: graph and map. We will look into natural disasters including hurricane, wildfire, flood, sandstorm, tornado, and oil spill. The cities/towns that correspond to the natural disasters are New Orleans, LA, Coffey Park, CA, Boulder, CO, Buffalo, NY, Moore, OK, and Grand Isle, LA, respectively



With R Shiny, we will be able to organize visualizations by the different disasters under each tab. We will also add relevant research and articles pertaining to the natural disaster.

B Description of the types of interactive maps in other tabs :

1 Trends over time:



We will check for an overall visualization of the changes over time of the real estate market for each natural disaster we are observing.

2 Geospatial (interactive):

We have shapefiles to identify counties for map visualizations. Each county will have interactive data to show real estate rices and climate indicators. Other information can include average p rice, population, and most recent natural disaster.

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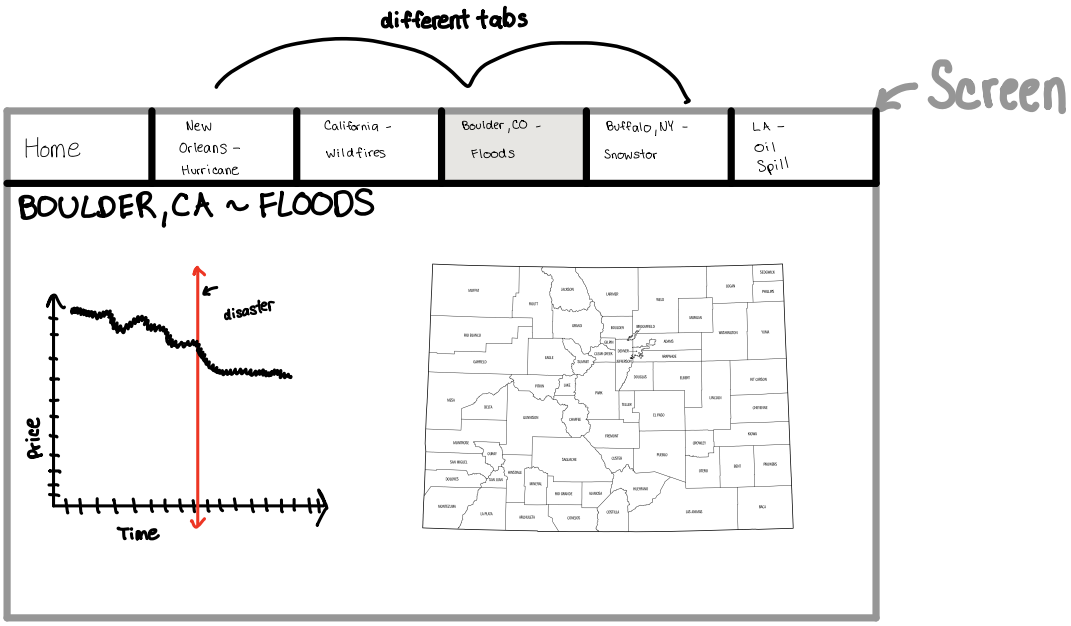
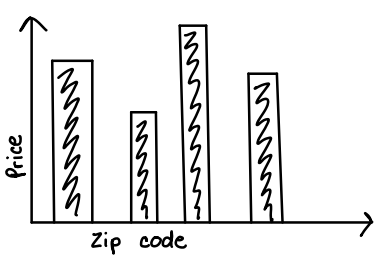
Description of other tabs for each disaster:



Each of the natural disaster event will be compiled within their tabs. The visualizations and data table will be within the tab, along with a background description.

Other prospective graphs:

1. Bar Graph ~



We will include bar charts to visualize the different average prices within each zip code. This will be done for all of the counties we want to investigate.

2

Data Table ~

Zip Code	Year Median	Rental	Single Family
-	-	-	-
-	-	-	-
-	-	-	-

We will provide a table that provides information on prices for each zip code based on the year. We separate this information into specific categories: median, rental, and single family housing.