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Interactive Data Visualization

## Final Project Plan

### **Abstract**

The power of water transcends time and connects all of humankind. Present day examples including hurricanes here in the US (Katrina, Maria, Irene to just name a few) and tsunamis like at Fukushima. Mapping Flood Myths will look at flood myths and legends and map the locations of these myths on an interactive web map.

A majority of the current flood myth analyses have been targeting Euro-centric civilizations (Ex: Noah's Ark/Christianity, Gilgamesh's flood/Babylon, and Deucalion's flood/Greek). With this project as a starting point, flood myths from other civilizations can be discovered and further researched. Aside from expanding upon disfavored flood myths, this project can be a starting point for further analysis of the importance of flood myths and how they shaped civilizations.

The target audience for this project will be anyone interested in flood myths in general or Geomythology ("the study of etiological oral traditions created by pre-scientific cultures to explain—in poetic metaphor and mythological imagery—geological phenomena such as volcanoes, earthquakes, floods, fossils, and other natural features of the landscape" (Mayor)). This project can be a starting point for many new analyses to be made in the fields of geomythology, archaeology, meteorology and many more.

### **Data**

My data can be found at  
[https://github.com/mappingfloodmyths/mappingfloodmyths.github.io/blob/main/Data/flood\\_myth\\_site\\_data\\_cleaned.csv](https://github.com/mappingfloodmyths/mappingfloodmyths.github.io/blob/main/Data/flood_myth_site_data_cleaned.csv).

## Site Architecture

```
<!-- Main/Home Page -->
<body>
  <header><h1></h1></header>
  <div class="map-container">
    <svg>
      <!-- Map and Country Shapes -->
      <g></g>
      <!-- Flood Locations (circles) e.g. pins -->
      <g></g>
    </svg>
  </div>
  <div class="popup"></div>
  <div class="tooltip"></div>
  <footer><button></button></footer>
  <div class="menu-container">
    <!-- Wave Path -->
    <svg></svg>
    <nav></nav>
    <div class="menu-text"></div>
  </div>
</body>
```

```
<!-- Database Page -->
<body>
  <header><h1></h1></header>
  <div class="page-content-container">
    <table></table>
  </div>
  <footer><button></button></footer>
  <div class="menu-container">
    <!-- Wave Path -->
    <svg></svg>
    <nav></nav>
    <div class="menu-text"></div>
  </div>
</body>
```

```
state ={
  geojson,
  floodData,
  locationHover,
  areaHover,
  areaClick,
  pinClick,
```

```

regionSelect,
originSelect
}

```

## Final Sketches

