Our final solution is a comprehensive visualization tool that integrates global and U.S.-specific climate data into a single interactive interface. It combines geographic and numerical data, enabling users to explore trends across temperature, precipitation, and extreme weather events. A universal year slider allows users to filter all data, setting a custom year range for focused analysis. Dropdown checkboxes provide flexibility, letting users toggle between climate data types and filter by event types. The tool links maps and charts dynamically, ensuring that any interaction, such as selecting a year range or data type, updates the visuals in real time. Users can hover over or click events on the map to reveal additional event details. This integration of temporal, regional, and event data provides a seamless analytical experience, which can help users uncover patterns better compared with a static visualization.