**History Weather Data Plotter**

The Weather Data Plotter is a web application developed using R Shiny that allows users to plot historical weather data for multiple cities. Users can select one or more cities, specify a date range, and visualize temperature data over time.

**Features**

* **Temperature & Precipitation Comparison**: The application plots both maximum and minimum temperatures for selected cities side-by-side, allowing users to compare weather patterns across different locations.
* **Daylight** **Time Illustration** (to be added)

**Usage**

1. **City Selection**: Type the name of a city into the input field. (Autocomplete to be added)
2. **Date Range Selection**: Choose a start and end date using the date range input widget. The interval between the start and end date should not be over 30 days.
3. **Plot**: Click the "Plot Temperature" button to generate the history weather plot for the selected cities and date range. A graph of a graph

   Description automatically generated with medium confidence

**Dependencies**

The Weather Data Plotter relies on the following R packages:

* **shiny**: for building the web application.
* **httr**: for making HTTP requests to the Weather API.
* **jsonlite**: for parsing JSON responses from the Weather API.
* **ggplot2**: for plotting the temperature data.

**Installation**

To run the Weather Data Plotter locally, follow these steps:

1. Install R from <https://www.r-project.org/> if you haven't already.
2. Install the required packages with the following command in R:

install.packages(c("shiny", "httr", "jsonlite", "ggplot2"))

1. Clone or download the package from the repository.
2. Run the package with the following command in R: (to be determined)