**Project Overview**

This interactive map visualizes data on different locations, highlighting their ranking based on certain metrics. Using Folium, this map allows users to toggle between layers representing the "Top 10," "Top 20," "Top 50," "Top 100," and "All" ranked locations. Each marker on the map represents a location with color-coded ranks, and users can view detailed information about each location by hovering over the markers.

**How to Use the Map**

1. **Layer Control**: In the top-right corner of the map, you’ll see a layer control menu. This menu allows you to toggle between different rank ranges:
   * **Top 10**: Shows the top 10 ranked locations.
   * **Top 20**: Shows the top 20 ranked locations.
   * **Top 50**: Shows the top 50 ranked locations.
   * **Top 100**: Shows the top 100 ranked locations.
   * **All**: Shows all locations included in the dataset.
2. **Marker Colors**: Each marker's color represents the rank of the location:
   * **Green** markers represent locations with a **lower rank (closer to 1)**, indicating a higher ranking in the dataset.
   * **Red** markers represent locations with a **higher rank** (farther from 1), indicating a lower ranking in the dataset.
3. **Hover Tooltips**: Hovering over a marker reveals additional details for each location:
   * **Rank**: The overall rank of the location.
   * **Market Score**: A score representing the market potential or performance.
   * **Annual Revenue**: The annual revenue associated with the location.
   * **Occupancy Rate**: The occupancy rate (%) for the location.
   * **Average Daily Rate**: The average daily rate (e.g., rental or booking rate).
   * **Seasonality**: A measure of seasonal variation in activity for the location.

**Explanation of Columns**

* **Rank**: Indicates the overall ranking of the location. A lower number means a higher rank.
* **Market Score**: A score that may reflect market size, demand, or potential.
* **Annual Revenue**: The revenue generated annually by this location.
* **Occupancy Rate**: The percentage of time the location is occupied or in use.
* **Average Daily Rate**: The average daily income generated by the location.
* **Seasonality**: A metric indicating how much the location’s activity fluctuates seasonally. Higher seasonality might indicate more pronounced seasonal variation.

**Summary**

This map provides a visual, interactive way to explore and compare different locations based on their ranks and associated metrics. The color gradient from green to red offers a quick visual cue of a location's rank, with green markers showing higher-ranked locations and red markers indicating lower-ranked locations. The layer control feature allows users to filter the displayed locations by rank range, offering flexible insights into top-ranked locations or all available data points.