# Choropleth Map Project - Step-by-step Guide

Files included in this package:

- dataset.csv (50 rows: App, Category, Country, Installs, Size, Last Updated)

- app.py (Dash app to render choropleth)

- requirements.txt (libraries used)

How to run:

1. Create and activate a Python virtual environment in this folder.

2. Install requirements: pip install -r requirements.txt

3. Run the app: python app.py

4. Open http://127.0.0.1:8050 in your browser.

Filtering and rules applied in the app:

- Excludes categories starting with A, C, G, S (case-insensitive).

- Aggregates installs and selects top 5 categories by total installs.

- Highlights countries where installs exceed 1,000,000 (red markers overlay in interactive app).

- Shows the map only between 6 PM and 8 PM IST; otherwise a message is displayed.

Sample Choropleth (generated from the dataset):

Sample choropleth saved as HTML at sample_choropleth.html (image generation unavailable).

End of guide. Good luck!