FIT3179 Data Visualisation

Homework - Week 9: Create a Map with Vega-Lite

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Studio: 1

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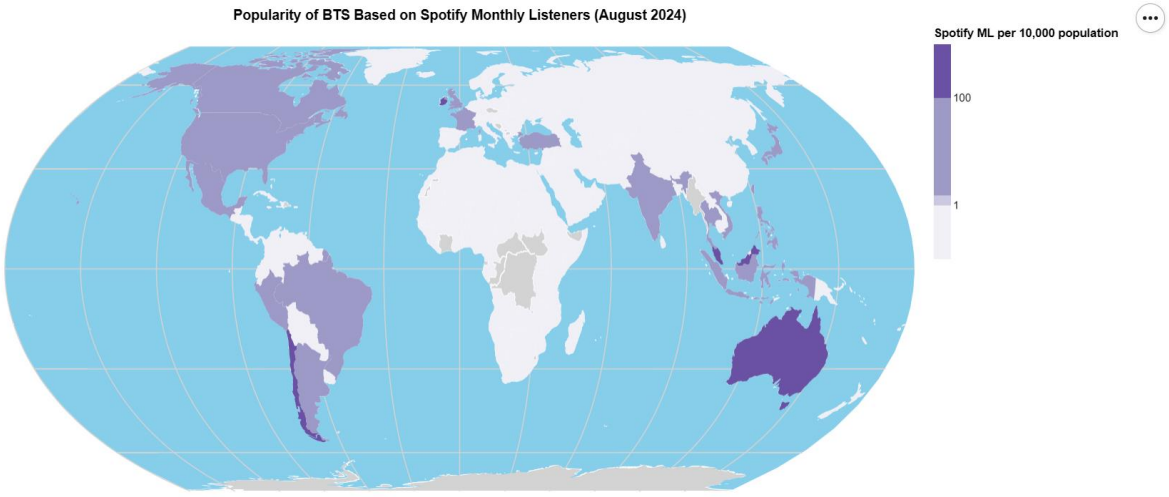
Part 1: URL of your publicly accessible web page on GitHub

https://ruienkoe.github.io/FIT3179-Week9-Homework/

Part 2: URL of a HTML web page

https://github.com/RuiEnKoe/FIT3179-Week9-Homework/blob/main/index.html

Part 3: A screen capture of your map



Part 4: Justification

The domain of your visualisation

- BTS Global Wave

The visualised dataset (attribute types, source and author, etc.)

1. source:

   https://app.soundcharts.com/app/artist/bts/audience/insights

   https://dspace.houghton.edu/server/api/core/bitstreams/bc77c74c-0562-425c-87d5-afee5268aade/content

   https://worldpopulationreview.com/

2. attribute types:
   a. quantitative: Spotify monthly listeners

   b. qualitative: countries across worldwide

3. Authors: Soundcharts, World Population, Eden Julia Jones

o Data transformation that you applied (if any), such as normalisation by area or population.

- Normalised Spotify monthly listeners by population
- Data filtering by filtering out data is not applicable
- Data combination by combining population data with the dataset containing Spotify monthly listeners csv file.

o A justification for the type of map idiom used. For example, explain why you chose to create a proportional symbol map instead of a choropleth map or a dot map.

- Choropleth map
- The reason I choose choropleth map rather than the other map idioms is that choropleth can show the popularity trends of BTS across global based on Spotify monthly listeners per 10, 000 population. The varying shades of colour in the choropleth map are able to distinct different levels of BTS popularity among countries, making the audience easy to identify regions with higher or lower listener density, which indicating the BTS popularity.