FIT3179 Data Visualisation

Homework - Week 10 Homework: Create your own interactive visualisation in Vega-Lite
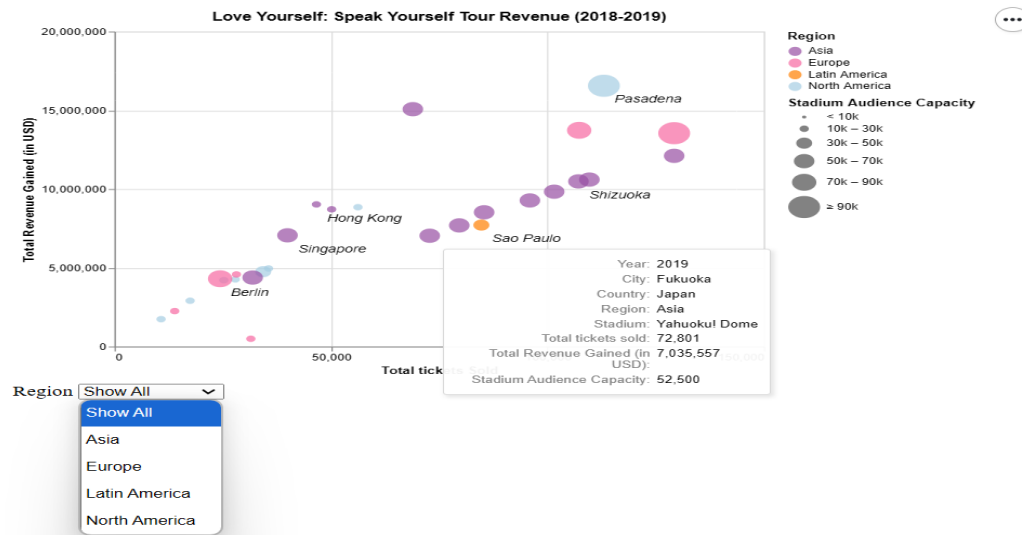
Name: Koe Rui En   Student ID: 32839677   Studio: 1   Tutor Name: Dr Grace Ting

Task 1: Interactive Visualisation

Task 2: A URL of your publicly accessible web page on GitHub.

https://ruienkoe.github.io/FIT3179_W10_Homework/

Task 3: Justification

The domain of your visualisation

• BTS Global Wave

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

1. sources:

https://touringdata.wordpress.com/2019/02/16/bts-love-yourself-tour/

https://touringdata.wordpress.com/2021/12/04/bts-permission-to-dance-on-stage/

https://www.metlifestadium.com/stadium/about-us#:~:text=It%20is%20one%20of%20the,events%20and%203%2C000%20special%20events.

https://www.scmp.com/lifestyle/entertainment/article/3018754/bts-japan-four-concerts-huge-success-despite-diplomatic

https://www.japan.travel/en/ph/special-features/japan-concert-domes-tokyo-osaka/#:~:text=Inaugurated%20in%201988%2C%20Tokyo%20Dome,)%2C%20depending%20on%20the%20configuration.

https://www.koreaboo.com/lists/large-concert-stadiums-bts-able-sell/

https://www.fortworth.com/listing/fort-worth-convention-center/3577/

https://www.upo2tickets.co.uk/o2-arena-capacity/

https://ca.billboard.com/fyi/hamilton%E2%80%99s-largest-venue-set-280m-renovation

https://www.prolyte.com/solutions/venues/ziggo-dome#:~:text=The%20Ziggo%20Dome%20is%20Amsterdam's,the%20perfect%20concert%20venue%20size.

https://www.prucenter.com/rentals/arena-floor

https://www.musewiki.org/Chicago_United_Center

https://www.asiaworld-expo.com/en-us/planning/venues/asiaworld-arena/#:~:text=AsiaWorld%2DArena%20(Hall%201)%20is%20a%20world%2Dclass,international%20conferences%20and%20mega%20events.

https://www.emco-bau.com/en/featured_item/accorhotels-arena-paris-frankreich/#:~:text=Today%2C%20the%20arena%20offers%20a,in%20around%2030%20possible%20configurations.

https://copaamerica.com/en/stadiums/mercedez-benz-stadium

https://populous.com/projects/citi-field

https://copaamerica.com/en/stadiums/mercedez-benz-stadium

https://www.travelynne.ca/blog/concerts-rajamangala-national-stadium-bangkok

https://www.allegiantstadium.com/stadium/about-allegiant-stadium#:~:text=Allegiant%20Stadium%20is%20conveniently%20located,with%20a%20capacity%20of%2065%2C000.

2. attribute types:
    a. quantitative:
        - Total tickets sold
        - Total revenue gained (in USD)
        - Stadium audience capacity
    b. qualitative:
        - Region
3. Authors:
- Touring Data
- MetLife Stadium
- Feel Fukuoka Japan
- Japan National Tourism Organisation (JNTO)
- Billboard Fyi Editor
- Area Four Industries
- Populous
- AsiaWorld-Expo Management Limited
- CONMEBOL Copa América
- Simple View INC.
- StadiumDB
- Koreaboo
- Headout Inc
- Devils Arena Entertainment LLC
- Lynne Lessard
- MuseWiki
- EMCO Group
- Allegiant Stadium

A justification for the visualisation idiom used (that is, why you chose a bubble plot, stacked bar chart, etc.)

- Bubble plot
- I chose the bubble plot because it effectively shows the relationship between total tickets sold and total revenue gained. It highlights BTS's global popularity and also illustrates their extensive economic impact on host countries. These concerts serve as catalysts for broad economic activity beyond just ticket sales.