**FIT3179 Data Visualisation**

**Homework - Week 10 Homework: Create your own interactive visualisation in Vega-Lite**

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**Task 1: Interactive Visualisation**

**A screenshot of a graph

Description automatically generated**

**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>.

1. attribute types:
   1. quantitative:

* Total tickets sold
* Total revenue gained (in USD)
* Stadium audience capacity
  1. qualitative:
* Region

1. Authors:

* Touring Data - Simple View INC.
* MetLife Stadium - StadiumDB
* Feel Fukuoka Japan - Koreaboo
* Japan National Tourism Organisation (JNTO) - Headout Inc
* Billboard Fyi Editor - Devils Arena Entertainment LLC
* Area Four Industries - Lynne Lessard
* Populous - MuseWiki
* AsiaWorld-Expo Management Limited - EMCO Group
* CONMEBOL Copa América - 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.