

STAT3622 Homework 2: Hans Rosling's Bubble Charts

Date: November 9, 2017

Submit via Moodle to Jason You on or before November 22, 2017. You also need to supplement the codes for reproducing your results during grading.

Review the fascinating TED talk by Professor Hans Rosling in TED website or YouTube. He and his team at Gapminder developed the famous bubble charts in motion to visualize the global GDP and population statistics over the years.



In STAT3622 we have discussed multiple ways for creating the Rosling's bubble charts based on R:`gapminder`, an excerpt of the Gapminder data on life expectancy, GDP per capita, and population by country. In this homework, you are asked to reproduce such Rosling's bubble charts by:

- A. (30%) Use R:`Magick`;
- B. (20%) Use R:`plotly`;
- C. (30%) Use R:`shiny`; and
- D. (20%) Compare the three different methods in terms of their properties.