

Lab 1: Getting Started with RStudio and Markdown

STAT 20 Spring 2022

Part I: Understanding the Context of the Data

Part II: Computing on the Data

What are the column names? What is the earliest year in the Arbuthnot data set? What is the latest? What are the total dimensions of the data frame (i.e. number of rows and number of columns)? What is the total number of boys and number of girls in the data frame? What is the proportion of boys in 1700? What is the greatest number of births in a single year in the Arbuthnot data frame? Make a tibble of the total number of boys and girls christening records.

Part III: Extensions

What is the earliest year in the Present data set? What is the latest? What are the total dimensions of the data frame (i.e. number of rows and number of columns)? Using the Arbuthnot and Present data frames make the following plots using ggplot() Total number of Christenings per year Proportion of boys over time using Arbuthnot. Normalize this plot. Proportion of boys over time using Present How do the boys and girls counts of the Arbuthnot data frame compare to the present data frame?