

MSDS 597 Spring 2021 Assignment 1

Due: February 1, 2021, Monday, 4:30 PM

PART 1 (Reading and Practice)

Read Boehmke Sections 1, 2, 3, 4.1--4.2, 4.5--4.6, 5.1, 7.1;

Read Wickham & Grolemond Chapters 1, 2, 3.1--3.6, 4, 5.1--5.4

Do the exercises in Wickham & Grolemond (don't hand in) as you go along.

PART 2 (To hand in)

Do the following, to hand in:

- Install the package "babynames"
- Plot the number of male and female babies named Taylor *by year*
- Answer the following questions, showing plots to substantiate your answers:
 - Is a 16 year old named Quinn more likely to be a boy or a girl?
 - Is a 2 year old named Quinn more likely to be a boy or a girl?
 - What is your best guess as to how old a woman named Susan is?

Submit your answers (via Canvas) as a single RMarkdown file that can be run on anyone's machine (i.e., that doesn't refer to your files or directories).