Working with Missing Values and Iterations

library(tidyverse) library(usdata)

- 1. This problem uses the county_complete dataset.
 - a. Create a subset of data with columns that ends with "2019". Use the function select along with ends_with function to accomplish this task. Convert the subset into a tibble and print it out.
 - b. How many missing values are there in the variable poverty_2019?
 - c. (Bonus) How many missing values are there in any variable?
- 2. Use for-loop to *show* the following series or sequences.
 - a. A geometric series:

$$\sum_{i=0}^{1000} (-1)^i \left(\frac{2}{3}\right)^i = \frac{3}{5}$$

b. (Bonus) First 10 numbers of the Fibonacci Sequence: You may use a combination of if-else, for-loop, and/or indices.

$$F_0 = 0, F_1 = 1$$

 $F_n = F_{n-1} + F_{n-2}$

The Sequence
$\overline{F_0 = 0}$
$F_1 = 1$
$F_2 = 1$
$F_3 = 2$
$F_4 = 3$
$F_5 = 5$
$F_6 = 8$
$F_7 = 13$
$F_8 = 21$
$F_9 = 34$