

Stat 101
Summer 2023 Session 1
Dr. Lily Yen

Activity 1-1

Show all your work

Name: _____
Number: _____
Signature: _____
Score: ___/7

Excel spreadsheet functions allowed

Problem 1: Use any calculator (application) to evaluate the following. Round your answers to 6 decimal places.

a. $\frac{\sqrt{3.17} - 11.8}{423.9 - 3.2^4} \approx$

b. $\left(\frac{15}{7}\right)^{2.14} - 31.4 \times \left(\frac{2}{11}\right)^{1.32} \approx$

Score: ___/3

Problem 2: Open the spreadsheet for Activity 1 and answer the following questions.

- a. List all variables and your best guess for each variable's description.

variable	description
----------	-------------

- b. Which of the variables are categorical?

- c. Was the data gathered from observational studies or experiments?

Score: ___/4