

Homework 12
MATH 166 - Spring 2023
Tufts University, Department of Mathematics
Instructor: James M. Murphy
Due: May 4, 2023

BOOK QUESTIONS

Wasserman: Chapter 11: #5, #8;

SUPPLEMENTAL QUESTION 1 (FREQUENTIST THINKING AND BAYESIAN THINKING)

For each of the following events, describe the extent to which they are amenable to frequentist and Bayesian modes of thinking. How might the two modes of thinking handle them differently?

- (a) The first two rolls on a die add up to 7.
- (b) It will be raining at 3pm EST, May 5, 2023 somewhere in Boston.
- (c) It was raining 24×10^7 hours before 3pm EST, May 5, 2023 somewhere in the area where Boston is now.

SUPPLEMENTAL QUESTION 2 (FUTURE DIRECTIONS)

What topic in the class did you find most interesting and worth learning more about? Discuss and reflect.