

Study Guide for Quiz 3

(Quiz 3 will be given on Friday, April 11, and covers material from Chapter 18.4.)

Math 125 *Kovitz* Spring 2025

- **The Normal Approximation for Data.**

Chapters 5.1 to 5.3, pages 78 to 87: example 1 on page 80, example 7 on page 84; box on page 79; page 82, problem 1 (a); page 84, problem 1 (d); summary on page 96: points 2 and 4.

- **The Expected Value and Standard Error (for the sum).**

Chapters 17.1 to 17.5, pages 288 to 302; box on page 289 and lower box on page 291; boxes on pages 298 and 301; pages 303 to 304, problems 1 and 6; page 307, summary points 2 to 6.

- **The Normal Approximation for Probability Histograms**

Chapters 18.2 to 18.4, and 18.6, pages 310 to 318 and 325 to 327: example 1; boxes on pages 310, 312, 325, and 326; pages 312 and 314, problems 1 and 2 (**Pay particular attention to the answers to problem 2.**); page 319, problems 3, 5, and 6 (**emphasizing problem 3**); page 324, problem 4; page 327, problems 1, 2 (b), and 4; page 330, summary points 3, 4, and 5.

From Practice for Quiz 3: all

From Homework 11: problem 1.

From WeBWorK Homework 8: problem 2.