

Math 121 - Midterm 3 Suggested Study Problems

Here are problems that are similar to the ones you might see on the exam.

Comparing two sample means Cht. 18 # 17, 19, 21, 23

Inference about proportions (One Sample) Cht. 19 # 15, 17, 21

Comparing two sample proportions Cht. 20 # 9, 11, 13, 15

Identifying the right inference procedure Cht. 21 # 1, 3, 7, 9, 10, 11, 13

The formulas for the different types of inference will be on the formula sheet, but you will need to know when to use each formula.

Scatterplots and correlation Cht. 4 # 15, 17, 25

Least squares regression Cht. 5 # 25, 27

What does r^2 tell you about the regression line?

Two-way tables Cht. 6# 10, 11, 12, 13

Know the difference between conditional and marginal distributions.

Simpson's paradox Cht. 6# 17

Be sure you can identify Simpson's paradox when you see it.