

HOMEWORK (BOGNAR)

INTRODUCTION TO MATHEMATICAL STATISTICS II (STAT:3101)

1. Matt randomly selected 5 students from his STAT:3100 class; the (first) midterm and final exam scores were

Midterm:	65	64	56	81	53
Final:	47	80	57	67	76

- (a) Make a scatterplot with midterm exam scores on the horizontal axis and final exam scores on the vertical axis.
- (b) Compute Pearson's sample correlation coefficient.
- (c) Compute Spearman's rank correlation coefficient.
- (d) Briefly interpret your findings.