

Chapter 7.4
Monday, Week 7

Warmup

X = number of heads in 5 flips. Y = number of tails in 5 flips. ZZ = number of HH strings in 5 flips.
Which pairs are positively correlated and which ones are negatively correlated?

Complete: $E(aX + b) =$

Complete: $Cov(aX + Y, Z) =$

True or False: if $Cov(X, Y) = 0$ then X and Y are independent.

Graph Theory!

From the MSRI puzzle archive:

