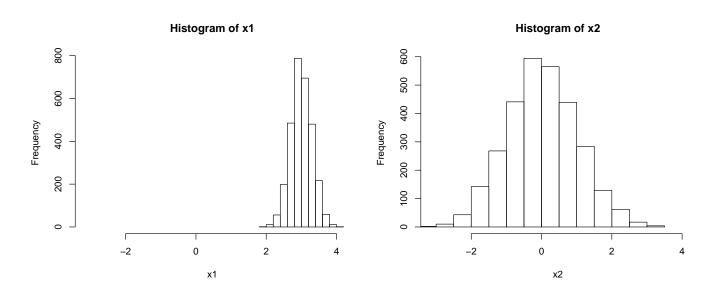
NAME:	
V 1	F:
_	of each question is worth 2 points. hree questions.
	whonor that I have not violated the Honor Code examination.

SIGNATURE:

Statistics XP84 - Quiz 1

1 Question



Above are histograms of numbers labeled x_1 and numbers labeled x_2 . For (a)-(d), circle the correct answer.

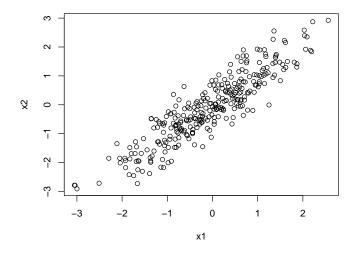
- (a) The average of the x_1 numbers is
- (i) -2 (ii) 4 (iii) 0 (iv) 3
- (b) The average of the x_2 numbers is
- (i) -2 (ii) 4 (iii) 0 (iv) 3
- (c) The standard deviation of the x_1 numbers is
- (i) .3 (ii) .05 (iii) 16.4 (iv) .99
- (d) The standard deviation of the x_2 numbers is
- ${\rm (i)}\ .3\ {\rm (ii)}\ .05\ {\rm (iii)}\ 16.4\ {\rm (iv)}\ .99$
- (e) What is the variance of the x_2 numbers?
- (f) Give an interval which will contain about 95% of the x_2 numbers.

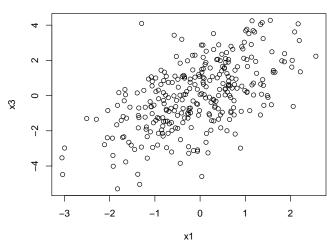
2 Question

Suppose $X \sim \text{Bernoulli}(.5)$.

- (a) What is E(X)?
- (b) What is Var(X)?
- (c) What is σ_X ?

3 Question





For (a) and (b), circle the correct answer.

- (a) The correlation in the left plot above is
- (i) -.87 (ii) .01 (iii) .903 (iv) .57
- (a) The correlation in the right plot above is
- (i) -.87 (ii) .01 (iii) .903 (iv) .57