

Type I & Type II errors

	H_0 true	H_0 false
Reject H_0	Error Type I	Correct Decision
Do not reject H_0	Correct Decision	Error Type II

	H_0 true (innocent)	H_0 false (not innocent)
Reject H_0 (convict)	Type I	Correct decision
fail to reject H_0 (acquit)	correct decision	Type II

H_0 : The defendant is innocent

H_A : The defendant is not innocent

Explain what a type I & II error
would mean for this ~~top~~ problem

(10.62, pg 451)

Type I The type I error is made when we decide that there is convincing sample evidence that less than half of americans favor drafting women, when in actuality 50% or more favor drafting women.

Type II The type II error is made when we conclude that there is not convincing sample evidence that ~~a~~ less ~~than~~ than 50% of americans favor drafting women, when in actuality, less than half do favor drafting women