

chapter 11 experimental design

study design

DV ~~number of rapes~~ number of rapes over a school year

IV policy instituted "yes means yes" (yes or no)

example: policeman

mirror control

institution implement policy

don't implement policy

} between subject study design

of rapes = 1

of rapes = 13

example: policeman year 1

policeman year 2

yes means yes policy

yes means yes policy

} within subject study design

of rapes = 12

of rapes = 4

hypothesis

RQ do college athletes have less stress than the general college population?

H0 there is no difference in stress level between the college athletes and the general college population

• RH (non-directional) there is a difference in stress level between the college athletes and the general college population

} two-sided or two-tailed

RH (directional) college athletes have less stress than the general college population

} who does better

example: RQ does eating fatty food before class decrease comprehension of stats?

DV

H0 there is no difference in stat comprehension between fat, foods, control vs. no control