chapter 11 experimental design

1. study design

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

IV. policy instituted: yes vs. no (yes vs no)

Example: police

*more control*

instructed: implement policy, don't implement policy, 

\[ \begin{array}{c}
\text{B} \times 2 \\
\text{B} \times 12
\end{array} \]

Example: college year, police present, police not present

\[ \begin{array}{c}
\text{B} \times 2 \\
\text{B} \times 12
\end{array} \]

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hypothesis

**H0**: college athletes have less stress than the general college population?

**H1**: there is no difference in stress level between the college athletes and the general college population.

* H1 (non-directional): there is a difference in stress level between the college athletes and the general college population.

* H1 (directional): college athletes have less stress than the general college population.

**Example:** no dose acting fully, food before class decreases comprehension of state?

**Then there is no difference in short comprehension between full food content vs control.**