

Psychology I Experiment

Hypothesis:

Subjects will exhibit evasive behavior when confronted with an invasion of their personal space.

Sub-hypothesis:

Researcher	Subject	Behavior
Male	Male	Assertive
Male	Female	Evasive/Passive
Female	Male	Passive/Evasive
Female	Female	Passive/Evasive
Upperclassman	Lowerclassman	Evasive
Lowerclassman	Upperclassman	Assertive

Operationalization of variables:

Independent Variable- Subjects' space will be invaded by standing shoulder-to-shoulder with them & brushing them during the first and third questions of an oral survey.

Dependent Variable- Predicted Evasive behavior & other potential behaviors listed below:

Passive behavior- No observable physical or verbal reaction to the invasion of personal space

Evasive behavior- Backing away, jumping back, walking away, leaning back while not actually moving feet, any movement which involves the subject returning to his/her "comfort zone" without physically or verbally coming into contact with the researcher

Assertive behavior- Hitting, shoving, kicking, asking researcher to back up, asking what researcher is doing, etc. Any physical or verbal contact with the researcher resulting from the invasion of personal space. Also includes "cross-looks," or knitting the eyebrows and giving the researcher a questioning or challenging look

Unclassified variables:

Flirting, laughing, smiling

(Will deal with if and when they occur)

Scientific Hypotheses:

3 Basic Hyp - Exp

H_0 - Null Hypothesis -

No significant difference

H_1 - A is diff. B

H_2 - B is diff A

Exp. - 1 single variable.

Control

Exp. - F vs P - 1 degree of Freedom.

Chi Square - measuring Expected vs Observed

→ 94 - subjects - Passive

→ 36 - subject - Evasive = 130

$$H_0 = \text{No Diff} - \frac{50}{130} =$$

Exp.	65	P		$\sum \left(\frac{(94 - 65)^2}{65} \right) +$
	65	E		