



Worksheet 1: Hypothesis writing

1 For each of the following hypotheses, state whether it is:

directional
(one-tailed)

null

non-directional
(two-tailed)

a) Male participants will help an injured person more often than female participants.

b) There will be no difference in the number of words recalled from a list between people who doodle and those who do not doodle.

c) Participants will be more obedient to an experimenter in a laboratory coat than to an experimenter in ordinary clothes.

d) There will be a difference in personal space preferences between those who are highly empathetic and those who are not.

2 Complete the following hypothesis sentences for the following scenario:

A researcher wants to investigate the effects of positive reinforcement on lowering levels of aggression in monkeys.

a) Null hypothesis: There will be _____ in the aggression levels of monkeys who have been given positive reinforcement and those who have not been given positive reinforcement.

b) Directional (one-tailed hypothesis): Monkeys who have been given positive reinforcement will show lower aggression levels than those _____.

c) Non-directional (two-tailed hypothesis):