Study Guide - Exam 1

JP

2022-02-23

methods of acquiring knowledge

* premise statements
* arguments

scientific method

inductive reasoning

research questions

hypotheses

variables

deductive reasoning

replication

know what science is

peuedoscience

research process

quantitative and qualitative research

IV and DV

operational definitions

participants

research designs

steps of research

identifying topic areas

basic and applied research

efficacy and effectiveness

theories and frameworks

primary and secondary sources

purpose of literature review

subject words

online databases

abstracts

tips of finding research

hypothesis formation

null hypothesis

theories

constructs

operational definitions

validity and reliability

* types of both

types of relationships

scales of measurement

treatment of differing scales

measurement modalities

sensitivity in measurement

range effect

artifacts

experimenter bias

demand characteristics

reactivity

different participant roles

research ethics

nuremberg code

national research act

belmont report

* principles

APA guidelines and ethics codes

informed consent and consent forms

decpetion

confederates

debriefing

placebo

RCTs

confidential and anonymous studies

IRB

fraud and safeguards of fraud

experimental resaerch strategy

components of experiments

extraneous variables

third variables and confounding variables

directionality

randomization

random process

random assignment

internal and external validity

control methods in experiments

manipulation checks

no treatment control conditions

placebo control conditions

simulations

types of realism

field studies

evidence based programs

steps from basic research to implemented in the real world

between-subjects design

pros and cons of between-subjects designs

individual differences

equivalent groups

restricted random assignment

matching

range of variability

variance

variance within groups

attrition

threats to internal validity

communication between groups

diffusion

compensatory equalization

compensatory rivalry

resentful demoralization

analyses