WELCOME TO PSYC 110

PSYCHOLOGY

PSYC 110 (General Psychology)

Module:
Foundations of Psychology

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PSYCHOLOGY

Your grade will come from a variety of assessments

Evaluative Component	**% Weight**
Department Surveys [Two total]	0.5
SONA Research Experience	5.5
Discussion Section Participation [Three total; may drop one with Lecture Clickers]	5
InQuizitive [13 total; drop lowest three]	10
Friday Quizzes [11 total; may drop up to two with Lecture Clickers]	20
Friday QuizTerm	5
<u>Engaged Inquiry Assignments</u> Reflection Journals [14 total] Collaborative Project [Five components total]	34 (14) (20)
Final Exam	20

Your grade will come from a variety of assessments

Weekly Reflection Journal (14%; 1% each)

- Two to three sentence reflection on the most recent module
- Open-ended—demonstrate some level of thinking that goes beyond re-stating course content
- Best approach is application, for example:
  - Social psych on a night out
  - How you used knowledge of Memory to study for a test
- Submissions are due on Canvas at 11:59pm at the end of each module (you have until the end of the weekend if you'd like!)
- First is due **February 2**

Your grade will come from a variety of assessments

Collaborative Project: FYP or die (20%)

- Choose groups of two to four from discussion section
- Creative media demonstration (i.e., content) of *anything* in the course, for example:
  - PSA (e.g., a commercial)
  - Video (e.g., IG Reel, TikTok, YouTube Short)
  - Podcast "clip"
  - If you have a different idea but are unsure of its relevance, check with Trenton or a TA.
- 60 to 180 seconds (maximum three minutes)
- Written portion and other intermittent deadlines during the term
- Choose groups by **March 14**;
  Final Submission due **April 30**

Your grade will come from a variety of assessments

Final Exam (20%)

- Wednesday May 14th, 3:30pm to 5:30pm
- Location: Here!
- In-person, non-collaborative, not open-book
- The final exam is a non-negotiable requirement
  - We can't make accommodations for individual circumstances
    - ~~"It's my cousin's sister's roommate's graduation"~~
    - ~~"I'm registered to run a marathon"~~
    - ~~"I booked my flight home already"~~
    - No exceptions

Your grade will come from a variety of ways

In-class Clicker Questions (Bonus)

- Download mobile app or buy clicker from VolShop
- ≤ 5 questions per class
- 1 point for correctness on first attempt
- 1 point for correctness after discussion
- Grade drop opportunity (% total possible points):
  - 50%: Drop lowest Participation Grade
  - 60%: Drop lowest Participation AND Quiz grade
  - 70%: Drop lowest Participation AND TWO Quiz grades
- Clickers will start ON WEDNESDAY
- Since this is a bonus opportunity,
  no excused absences will be accepted

Most weeks will be similarly structured

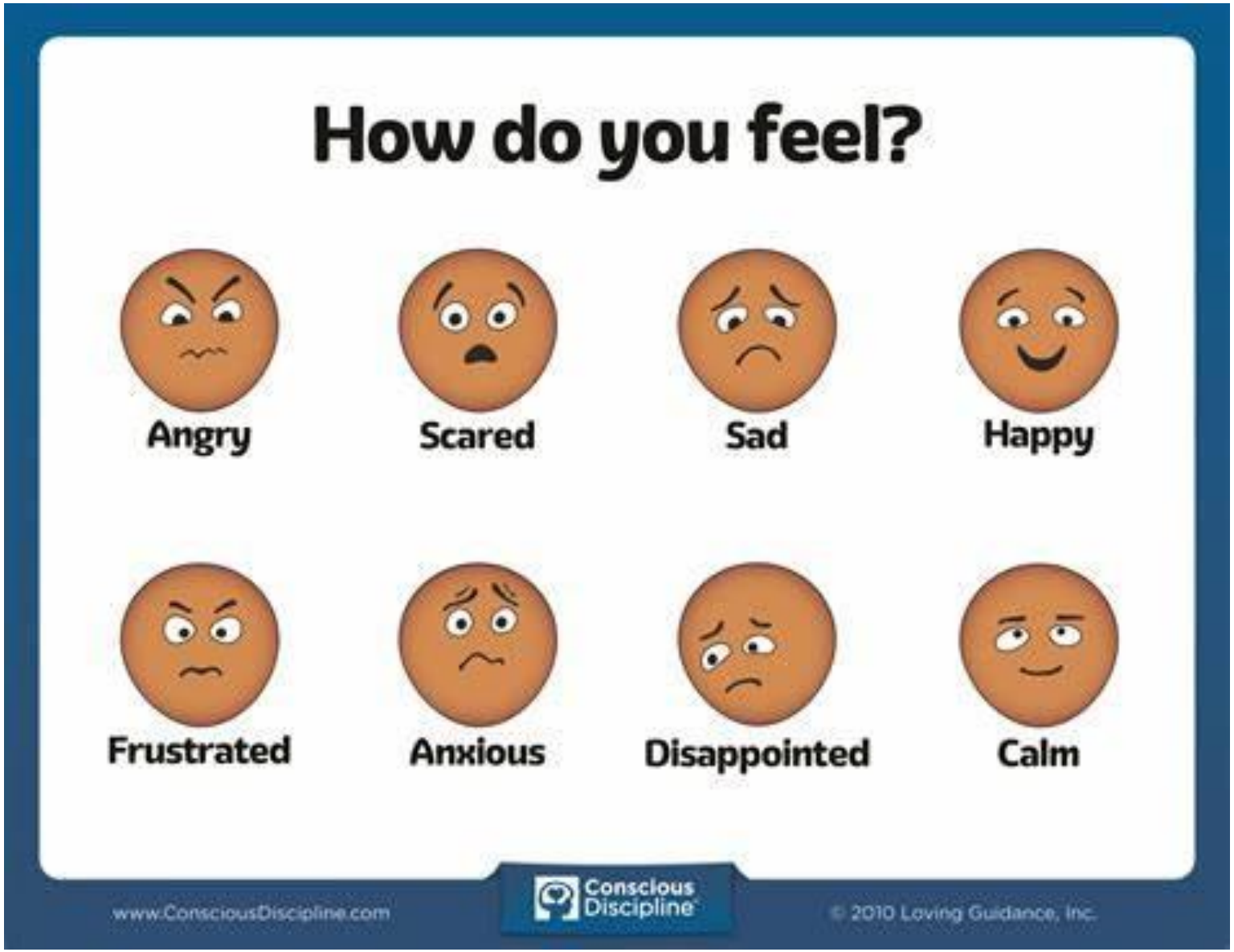
Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
Lecture [1:50pm; AMB 210]		**Lecture [1:50pm; AMB 210]**		**Friday Quiz [Online]**		**InQuizitive [Online]** **Reflection Journal [Online]**
		Discussion Sections [Assigned times and locations]				

Absences:
You do not need to notify me if you are missing lecture (Lecture Clickers are considered a Bonus and are therefore your decision), but you do need to notify your TA (and provide documentation) if you are missing Discussion Section

You are not expected to complete the InQuizitive and Reflection Journal on Sunday—just thought it'd be nice to give you until the end of the weekend

PSYCHOLOGY

So, where we at?



Psychology is studied as a science

Steps modified from Cozby & Rawn (2016)

Let's do science!

PSYCHOLOGY

Respond to this questionnaire (100% voluntary)

Mating Preferences Questionnaire

You'll be asked a series of questions regarding the MINIMUM level of intelligence you would accept in a partner for various "mating"-related situations

Respond to each item on a scale of:
1 (Not intelligent at all) to 100 (Genius)

Single Date = You're willing to try at least one date
One Night Stand = You're willing to be intimate right away
Steady Sexual Partner = Non-romantic "Friends with Benefits"
Steady Dating Partner = Romantically involved
Marriage = Life partner

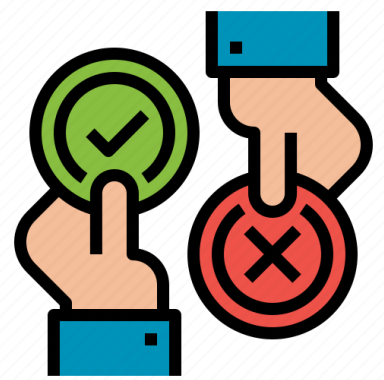
Notes for participation:

- Respond only with integers (whole numbers)
- Don't use any non-numeral text (e.g., words, letters, emojis)
- If you do not relate to a prompt (e.g., you would never be willing to have a non-romantic sexual partner), just leave the column blank

PSYCHOLOGY

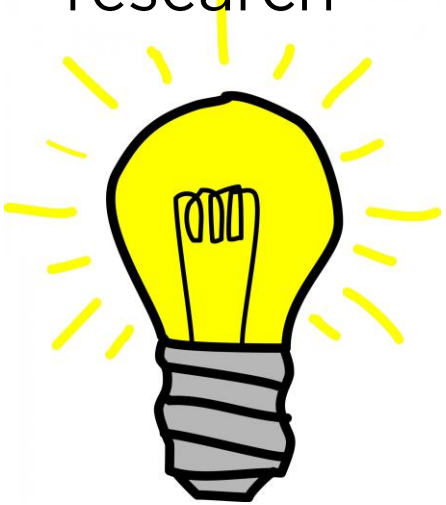
Research inspiration can come from many avenues

Mundane Observation



Gaps/Discrepancies with prior research

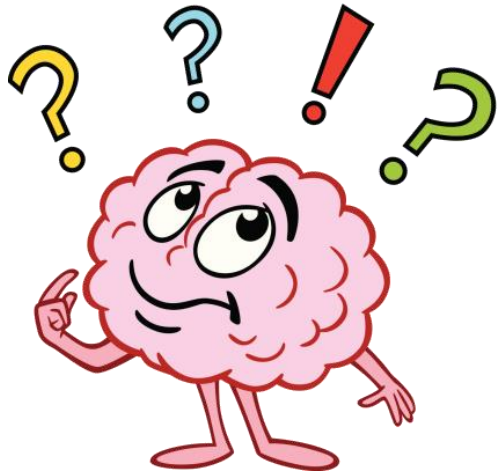
Established Need



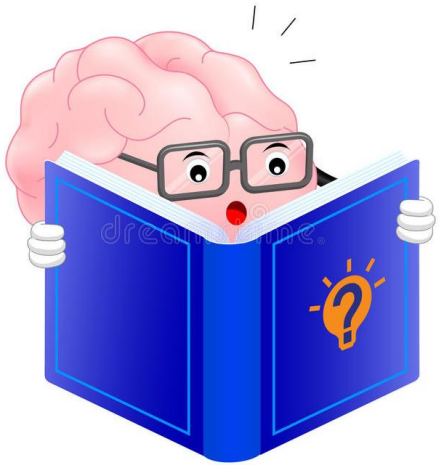
Spontaneous Conception

Research inspiration can come from many avenues

Research Idea Development: Conceptualization Stage



Question



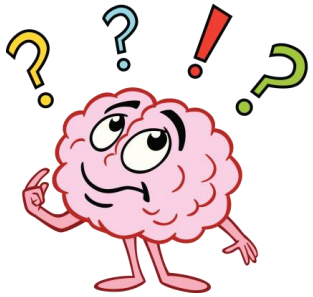
Review the literature

Hypothesize

Let's do science

One night, Dr. T and his friends (*yes, they exist*) are talking about their romantic situations. Lindsay, a 29-year-old woman, described her most recent date as "dopey," and claimed she had no interest in a second date. Aaron, a 22-year-old man, said his last date was also high-key stupid, however he set up a second date with that person next week.

Let's do science



Are there gender differences in mate selection criteria?

The *Parental Investment Model* (Ford & Beach, 1951):

- Women generally place more importance on a mate's access to resources compared to men
- Higher commitment requires higher perceived mate value

- Higher intelligence can indicate higher resource-gathering potential; women will have a higher selection threshold for their mate's intelligence, compared to men
- As perceived commitment increases, both men and women will increase their minimum requirements of intelligence in a partner

PSYCHOLOGY

We need to turn our research idea into something concrete

Research Idea Development: Operationalization Stage

Conceptual Variable

An abstract idea

Operational Variable

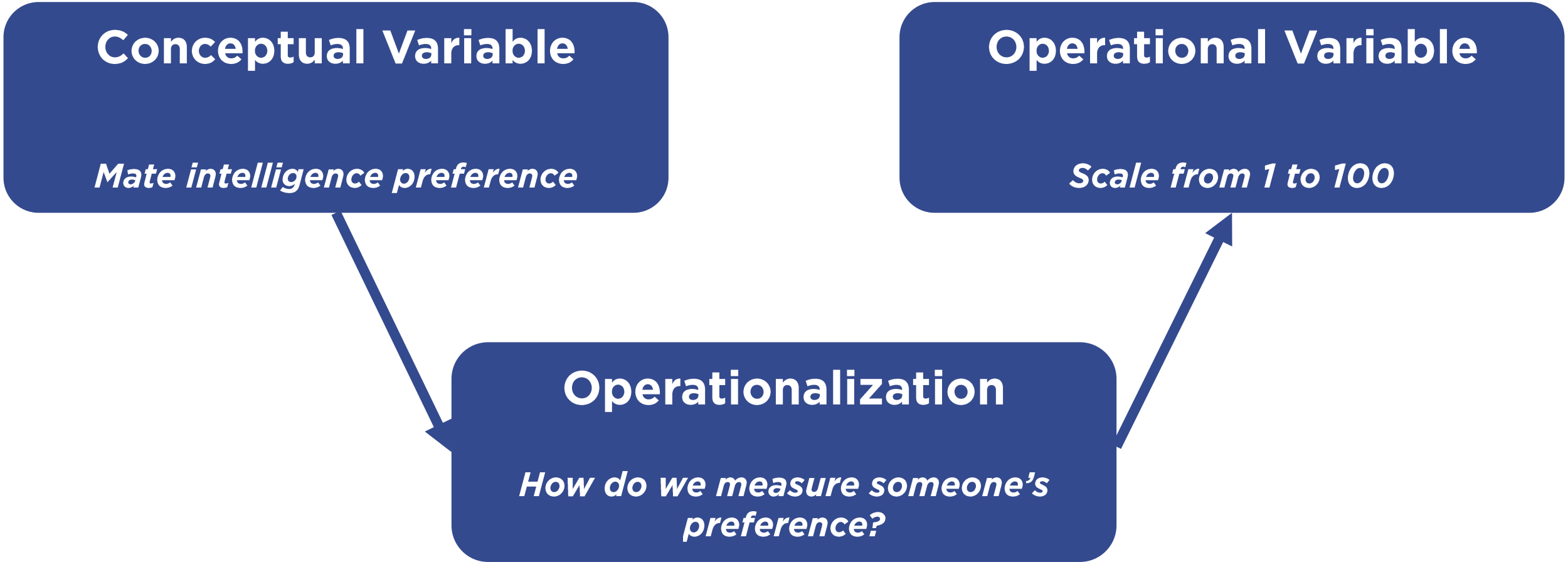
A measurable, specific idea

Operationalization

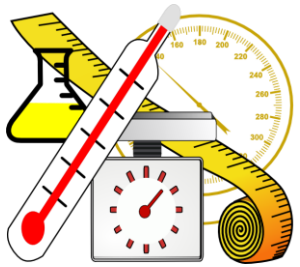
Turning an abstract idea into something quantifiable

We need to turn our research idea into something concrete

Research Idea Development: Operationalization Stage

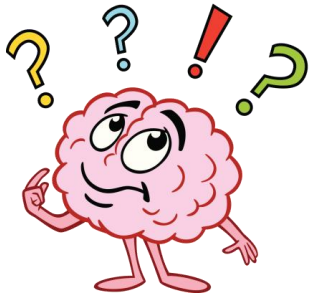


Let's do science

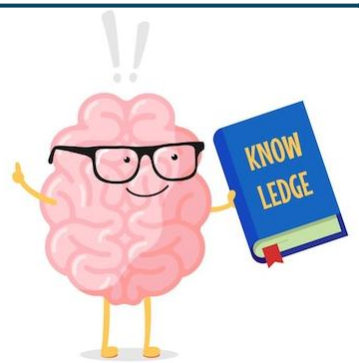


Survey undergraduate students with a questionnaire on their mate selection preferences according to commitment-level, and collect data on each participant's gender identity.

Let's do science



Are there gender differences in mate selection criteria?



[What did we learn?]

PSYCHOLOGY

There are two types of variables in an experiment

Independent Variable (IV)

What is hypothesized to explain changes in a measured variable

Dependent Variable (DV)

The outcome or response that is measured in the study

An independent variable is the hypothesized predictor

Independent Variable (IV)

What is hypothesized to explain changes in a measured variable

Manipulate:
Intentionally changing or controlling an independent variable to investigate its impact

PSYCHOLOGY

IVs can be manipulated or observed

Independent Variable

What is hypothesized to explain changes in a measured variable

Manipulation
(Experimenter controls what the participant experiences)

For example:

- ***Did they hear loud sounds or soft sounds?***
- ***Did they do they test before or after exercising?***

Quasi-Independent Variable
(Not controlled by experimenter)

For example:

- ***Socioeconomic status***
- ***Education level***
- ***Relationship status***

PSYCHOLOGY

There are three types of hypothesis tests (or designs)

Experimental Design

***DOES** manipulate the IV*

Non-Experimental Design

***DOES NOT** manipulate the IV*

Mixed Design

Some IVs are manipulated, some are not

The dependent variable is what we measure

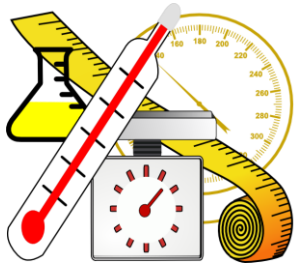
Dependent Variable (DV)

The outcome or response that is measured in the study

For example:

- Questionnaire responses
- Reaction time
- Observed behaviours
- Test scores

There are two types of variables in an experiment



Survey undergraduate students with a questionnaire on their mate intelligence preferences according to commitment-level, and collect data on each participant's gender identity.

Mixed

Manipulated IV

Quasi-Experimental IV

DV

PSYCHOLOGY

What should we get out of today?

- WHY WE DO PSYCHOLOGY RESEARCH
  - ASSESS A NEED, OR EVEN JUST CURIOSITY
- THERE ARE COMMON COMPONENTS IN A PSYCHOLOGY STUDY THAT WE CAN IDENTIFY

How did we do?

For y'all:

- First InQuizitive due Feb 2
- First Reflection Journal due Feb 2
- Register for Clickers (PointSolutions) on Canvas
  - Clickers start Wednesday
- Attend your Discussion Section this week