Welcome!

Grab a piece of paper:

- Fold and add your name and any other information you wish (pronouns, class year, department, etc.)

Intro survey

Complete by the end of the day

PSY 254: Precept 1
Intro & how to read a scientific article

AI/Preceptor: Kennedy (she/her)

kcasey@princeton.edu

Today's Agenda

Introductions

Precept goals & expectations

How to read a scientific article

Preparation for next time

Introductions: About you

With your partner, figure out one thing in common between you two that won't apply to *anyone else in the room*

Introductions: Baby photo/video presentations

Great if it's tied to the topic for the week

Can be you or a photo/video from online, tiktok, etc.

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Volunteers for next week?

Precept goals

Write down...

1. What questions do you have about developmental psychology?

2. What are **your goals** for this class? What skills or material do you want to have learned by the end?

3. What can you **do** to achieve those goals?

Precept expectations

[Tuesday 12:30](#)

[Tuesday 1:30](#)

[Tuesday 2:30](#)

Any questions about course expectations?

How to read a scientific article

Title

Abstract

Introduction

Method

Results

Discussion

References

How to read a scientific article

Title

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Question(s): What is the paper is trying to answer?

Background: What other research has been done on this topic?

Motivation: What research has <u>not</u> been done on this topic? (i.e., what is the purpose for the current work?)

Hypothesis: What is/are the predicted findings?

Title

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How do the authors test their hypothesis?

What is the study design?

What variable(s) are the authors manipulating or measuring?

Who are the participants? How/why were they chosen?

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How is the data analyzed?

Are the results statistically significant? Are the effect sizes meaningful?

What figures/tables are used to visualize the data?

Are the results consistent or inconsistent with the original hypothesis?

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Is the *claim* that the authors make in the discussion *supported* by the actual results?

Do the authors overstate or misrepresent what they found?

Why is it important to study this question?

What new questions should we ask next?

How to read a scientific article

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Preparation for next time

Homework:

Read the paper (Kisilevsky et al., 2003)

Submit one mock exam question (multiple choice) on Canvas

      Example: You're reading a paper and want to know how the authors decided on their sample size. What is the best place to check?

            a)   Title

            b)   Method

            c)   Results

            d)   Discussion

Submit your preliminary questionnaire if you haven't already (counts toward your participation for this week)

Start looking for baby photos/videos!

Office hours:

Wednesdays 10:30-11:30am in PSH 217

Email me (kcasey@princeton.edu) with questions or to schedule alternate meeting time