

Course overview and Introduction

PSYC 11: Laboratory in Psychological Science

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What is this course about?

- Learn how to carry out psychological research
- Doing research vs. writing a (complete) scientific article:
 - Introduction: motivate your research question
 - Methods: describe how you studied the question
 - Results: describe what you found
 - Discussion: situation your findings in the broader literature

Why should you care about writing?

- Formulate your question and approach
- Share what you did and found
- Learn to read and critically evaluate other work

Logistics

- All materials, including assignments, readings, etc, are provided on the course **GitHub page**
- We'll use **slack** to communicate, share materials and data, etc.
- You should bring your laptop to every class



GitHub page



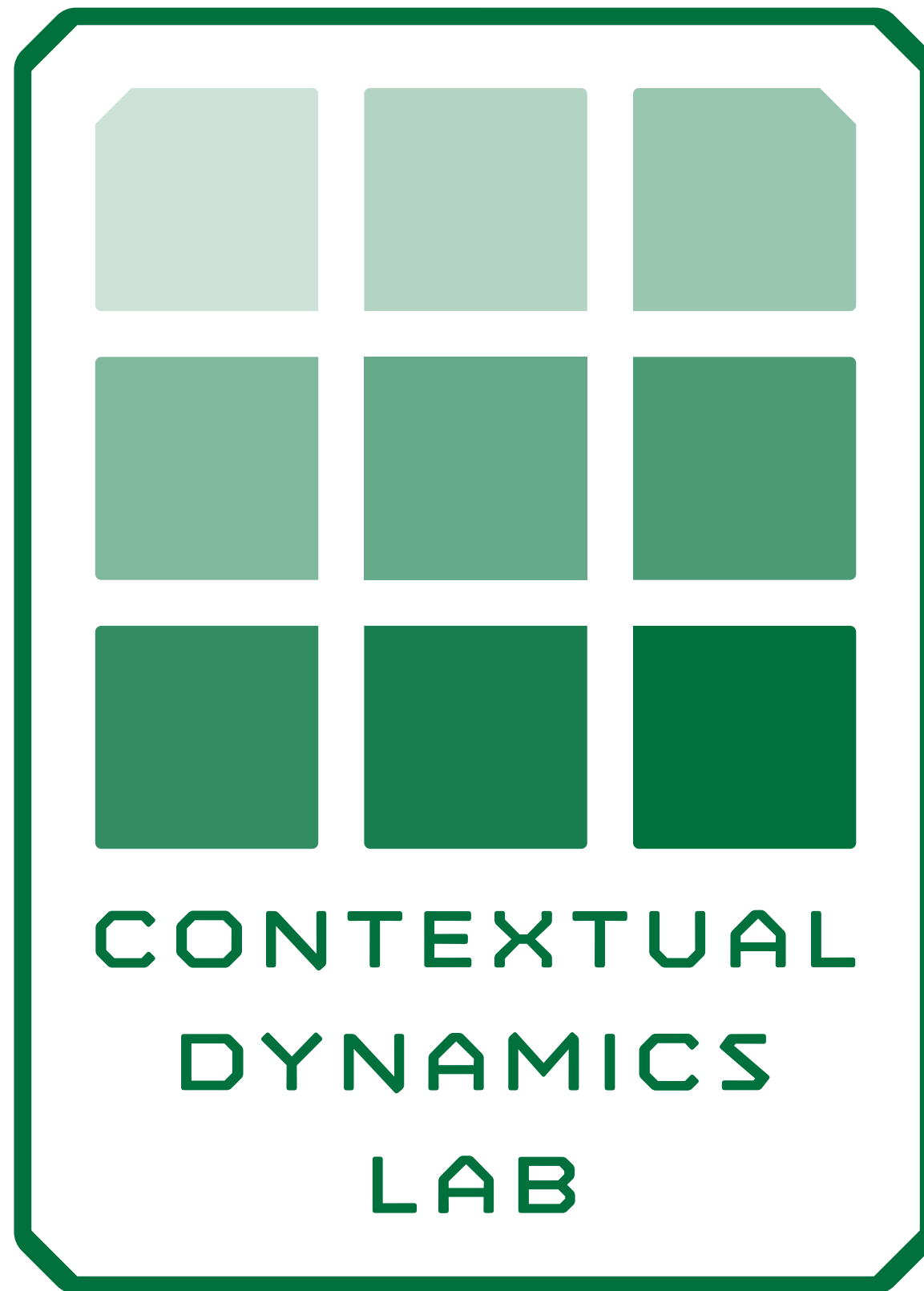
Slack

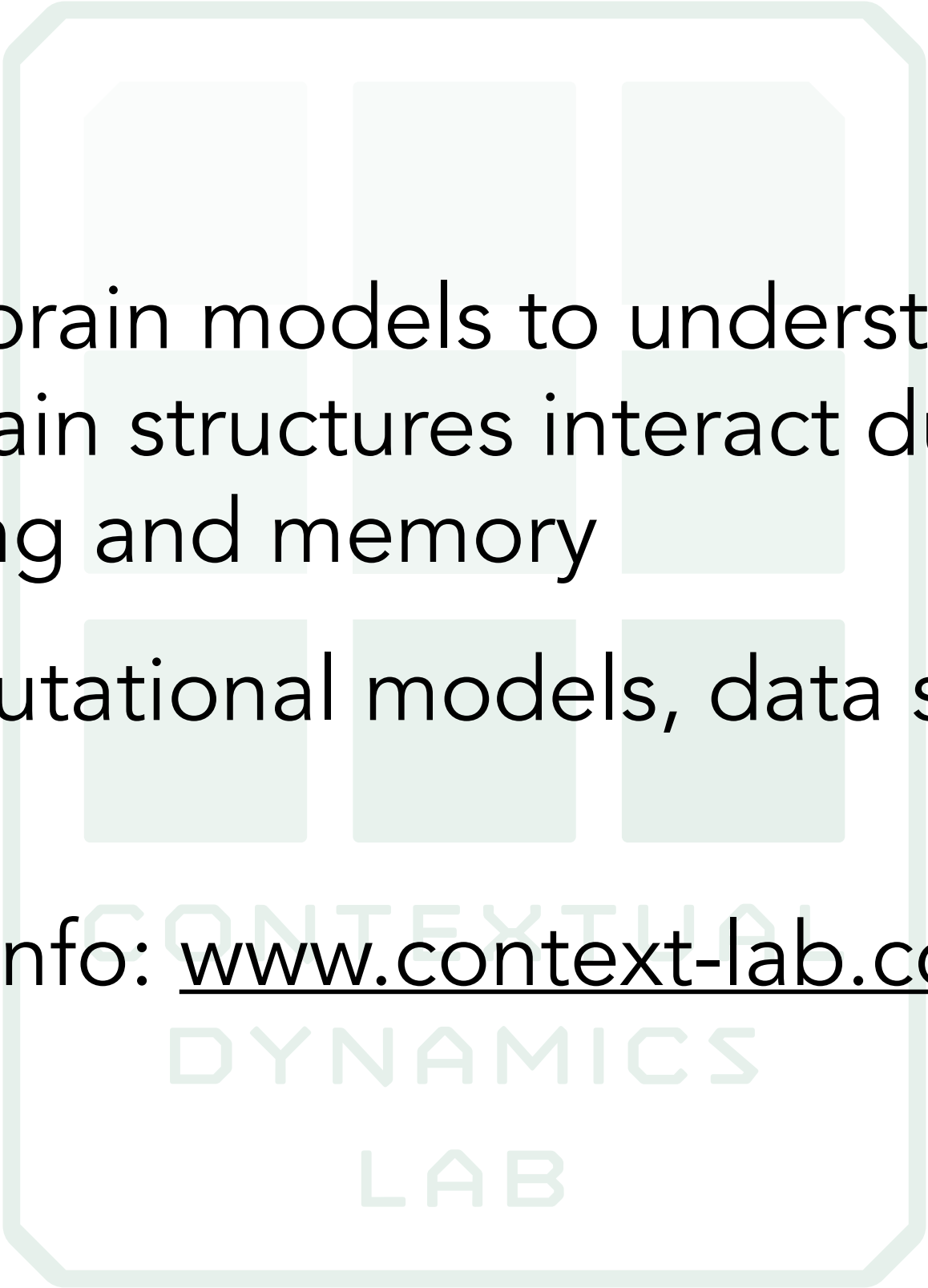
Logistics

- I'll hold **office hours** by appointment on Tuesdays. Schedule through: context-lab.youcanbook.me (or email me).
- If you post questions on Slack, I'll answer them (usually within 1-2 business days)
- If you have any comments, questions, concerns, etc., **please let me know** (via Slack DMs or email: jeremy@dartmouth.edu)

Organization

- First 5(ish) weeks: in-class labs, each focused on teaching you about one section of scientific articles
- Last 5(ish) weeks: carry out your own research study
- Goal: leave this course with a deep understanding of how psychological research is “done”



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- The logo for the Contextual Dynamics Lab is centered in the background. It features a light green rounded rectangle containing three vertical bars of varying heights and the text "CONTEXTUAL DYNAMICS LAB" in a light green, sans-serif font.
- Build brain models to understand how our brain structures interact during learning and memory
 - Computational models, data science tools
 - More info: www.context-lab.com

Teaching assistants

- Katie O'Nell
- Zizhuang Miao
- Xinming Xu

Birthday lab!

- Introduce you to asking questions in a scientific way



Birthday survey



Lab instructions