





DANIELLE WESTMARK, UNMC + ARIEL DEARDORFF, UCSF + ANNELIESE TAYLOR, UCSF UC Libraries Forum - October 28, 2021











# MEET THE TEAM



Danielle Westmark

Education & Research
Librarian

Leon S. McGoogan Health
Sciences Library, UNMC



Ariel Deardorff
Data Services Librarian
UCSF Library



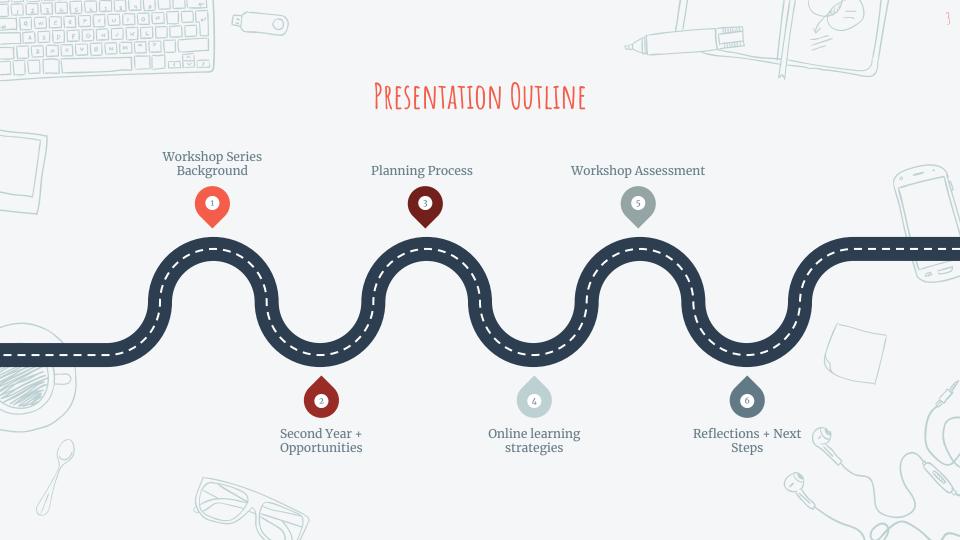
Anneliese Taylor

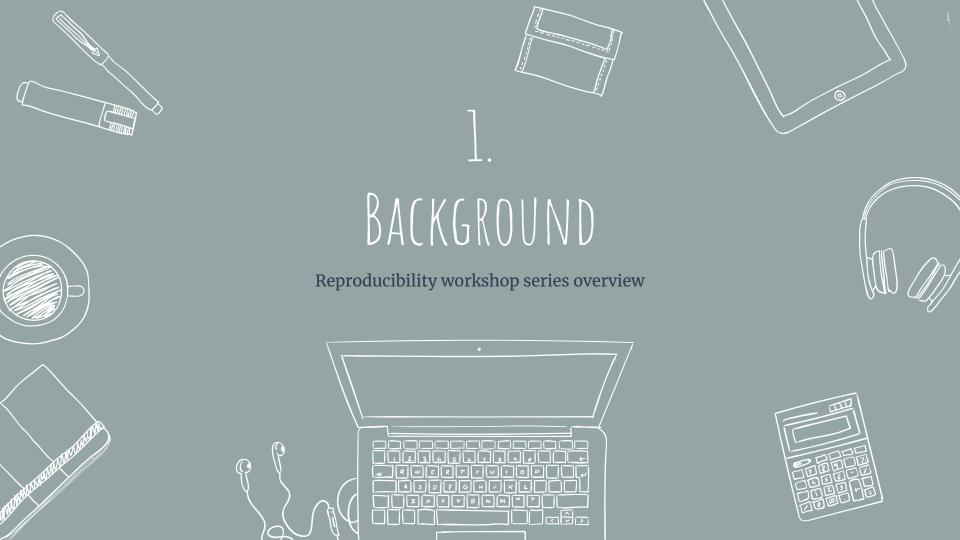
Head, Scholarly
Communication

UCSF Library











### WHAT IS THE REPRODUCIBILITY WORKSHOP SERIES?

- Collaboration between UCSF Library and Graduate Division
- **★** Started in Fall 2019
- **×** Eight workshops, including:
  - Rigorous Experimental Design
  - Data Publishing
  - Peer Review
  - See all: <u>tiny.ucsf.edu/reproducibilityworkshops</u>



- **X** Student goals
  - Define reproducibility in the context of biomedical research
  - Describe the significance of practicing reproducible and open science
  - Identify existing practices and behaviours that require modification in order to improve reproducibility
  - Apply a range of new tools, strategies, and best practices to make their research more rigorous and reproducible







- Collaboration with Danielle and the Interprofessional Informationist Program
  - Simmons University
  - January 2021 May 2021
    - In-person collaboration moved to 100% remote





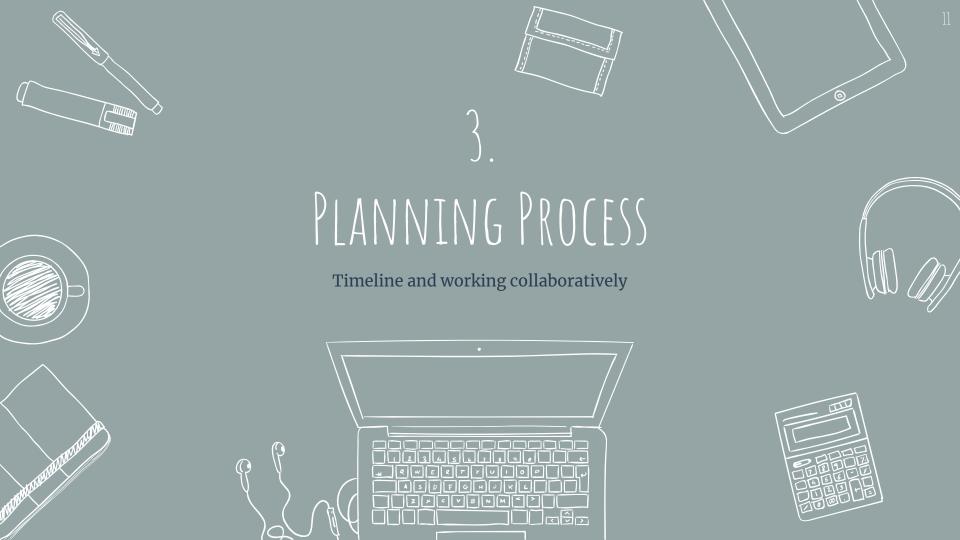




- Moved workshop format from in-person to online format (Zoom)
- **\*** More collaborative approach with students
- Incorporated different activities
  - Icebreakers/Introductions
  - Zoom breakout rooms
  - Collaborative notes
  - Activity sessions
- Collaborated with instructors from UCSF, UCLA & UC Riverside

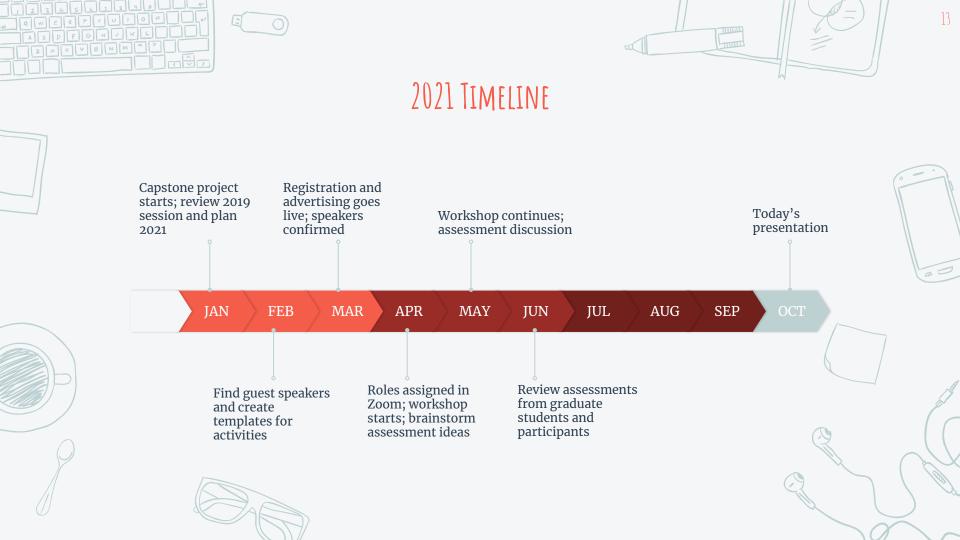
# WORKSHOPS FOR 2021

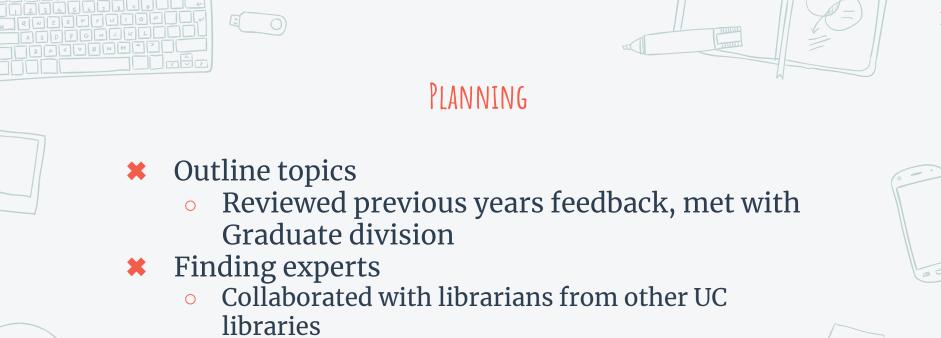
- Introduction to Reproducibility Ariel (UCSF)
- 2. Rigorous Experimental Design Karla (UCSF)
- 3. Publishing & Peer Review Anneliese (UCSF) + Jennifer (UCLA)
- 4. Reproducible Data Ariel (UCSF)
  - Reproducible Methods and Protocols Ibraheem (UCLA) + Stephen (UCSF)
- 6. Reproducible Code Ariel (UCSF) + Kat (UCR)
- 7. Reproducibility + Culture of Academia Liz (UCSF)



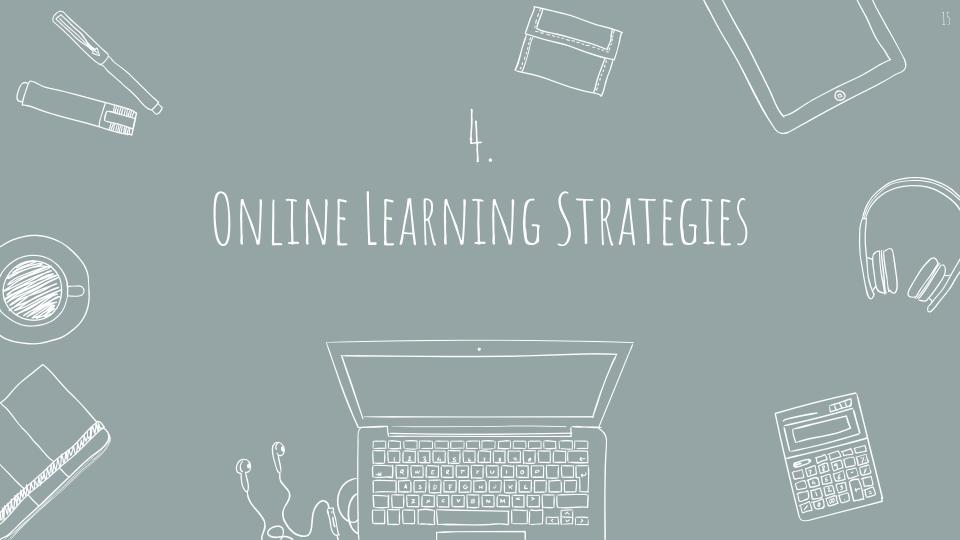


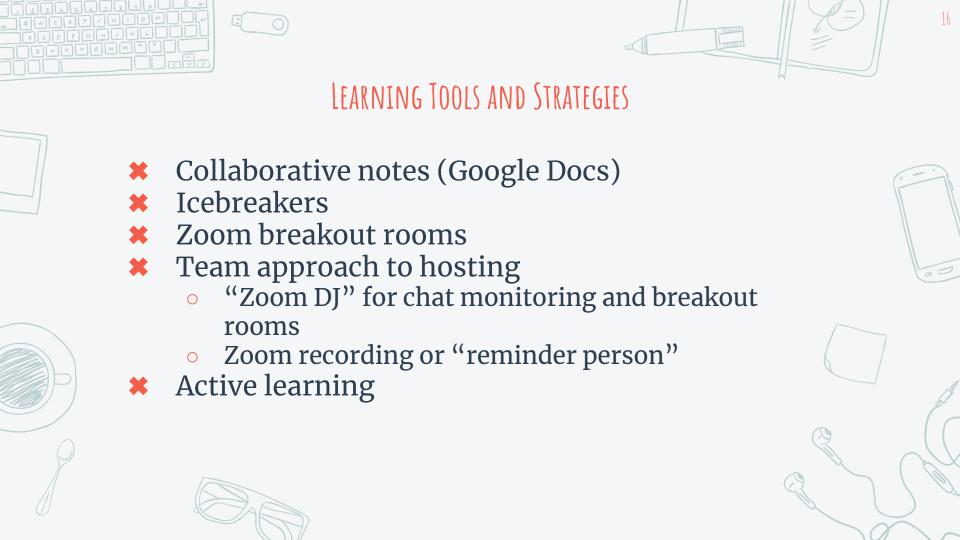
- **\*** Meetings
  - Scheduled every other week
  - Met via Zoom ; 30 min 1 hr
- \* Meeting Minutes and Working Documents
  - Box and Google Drive
- Shared tasks





- Invited faculty to come discuss their experiences
- **X** Confirm dates and additional logistics
  - Registration created, collaborative documents set up, assessment questions, etc.







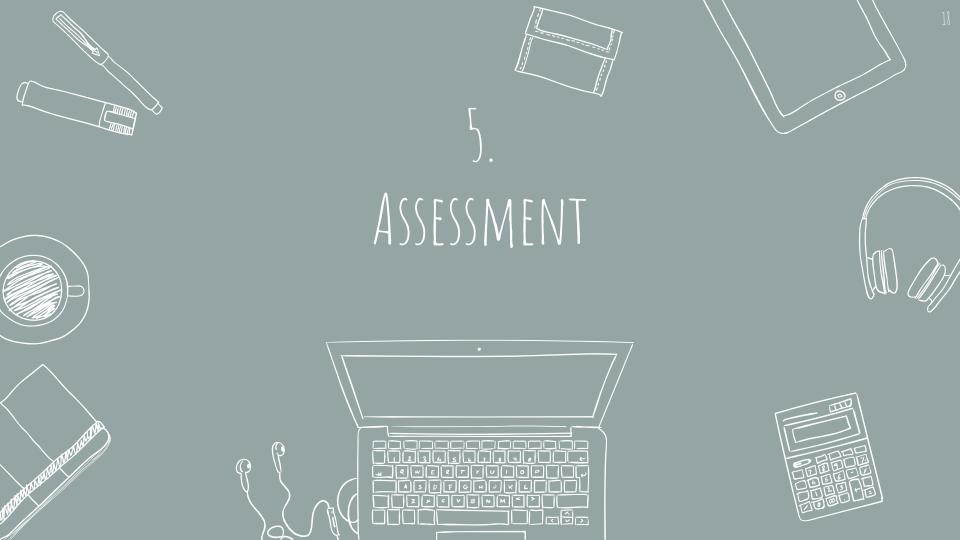
#### ONLINE ACTIVITY EXAMPLE - GOOGLE DOCS

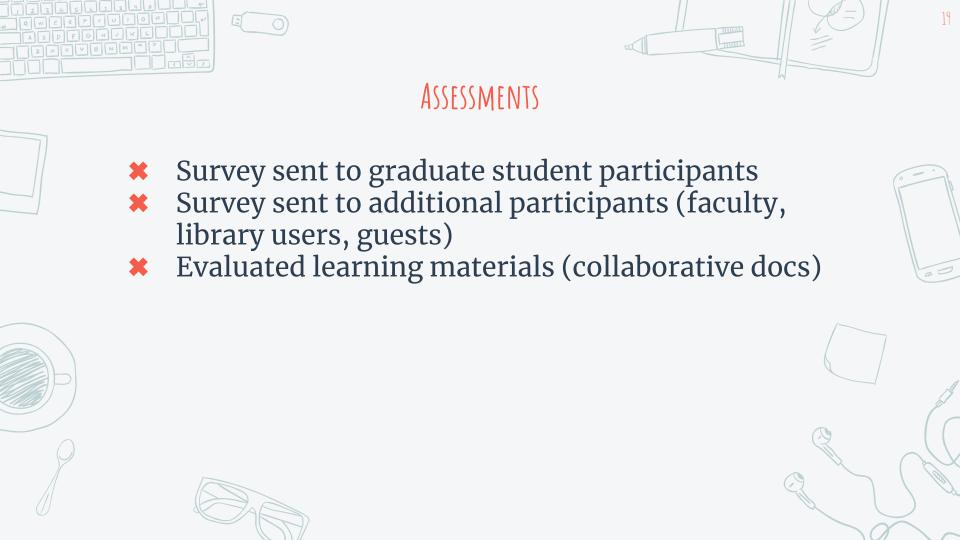
Question: What is one thing you will do to plan ahead for reproducible data?











#### ASSESSMENT FINDINGS

- Learners liked the group activities, breakout room discussions, + collaborative docs
  - Most would prefer to continue online
- High level of engagement in activities and discussions
- **X** Next time:
  - Even more interaction polls, reactions (thumbs up/down)
  - More discussion-based activities rather than tool based (explore a database, etc)
  - Link activities more closely to learning objectives







- **X** Revamping the series again for Fall 2022
  - Goal is to offer as a credit-bearing course through the Graduate Division
  - Opportunity to integrate more activities + self-reflection outside of class
  - Will continue to be online











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2021 Course Materials: <a href="http://tiny.ucsf.edu/reproducibility2021">http://tiny.ucsf.edu/reproducibility2021</a>





