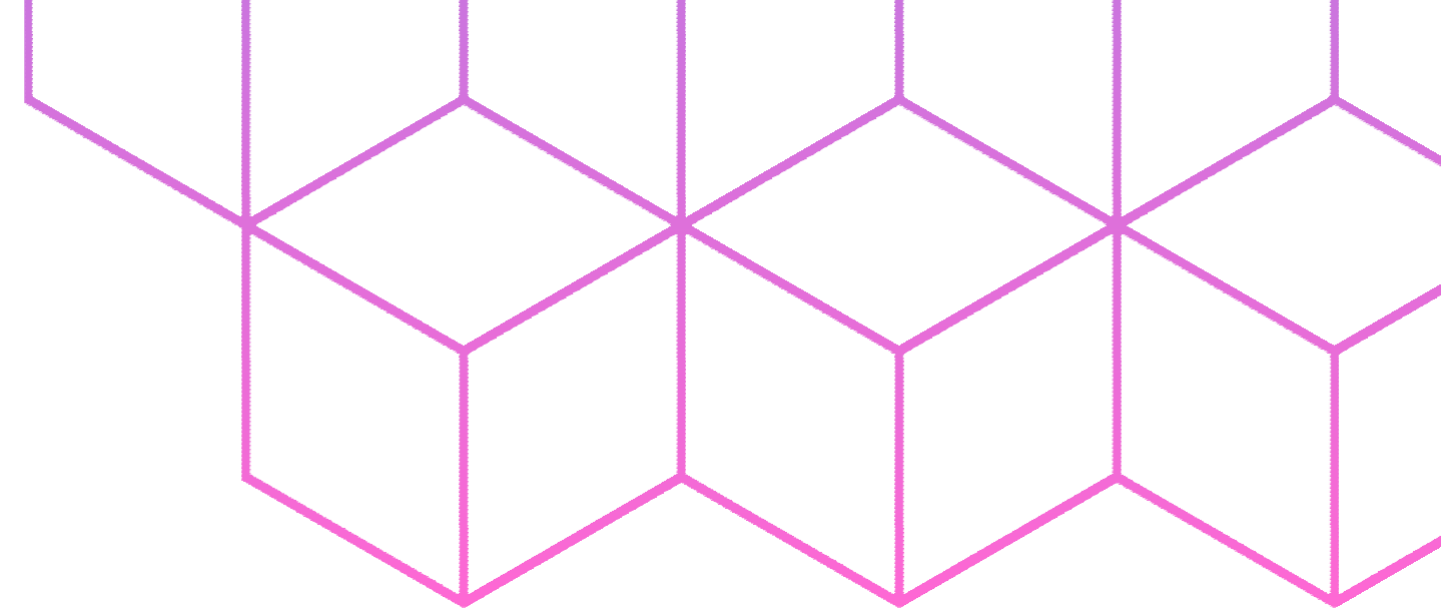




Helping students learn R!

This document showcases how I taught R after only 1 year of learning the skill!

Overview

My_Role

How did my sessions look like?

Student's Feedback

Reflections

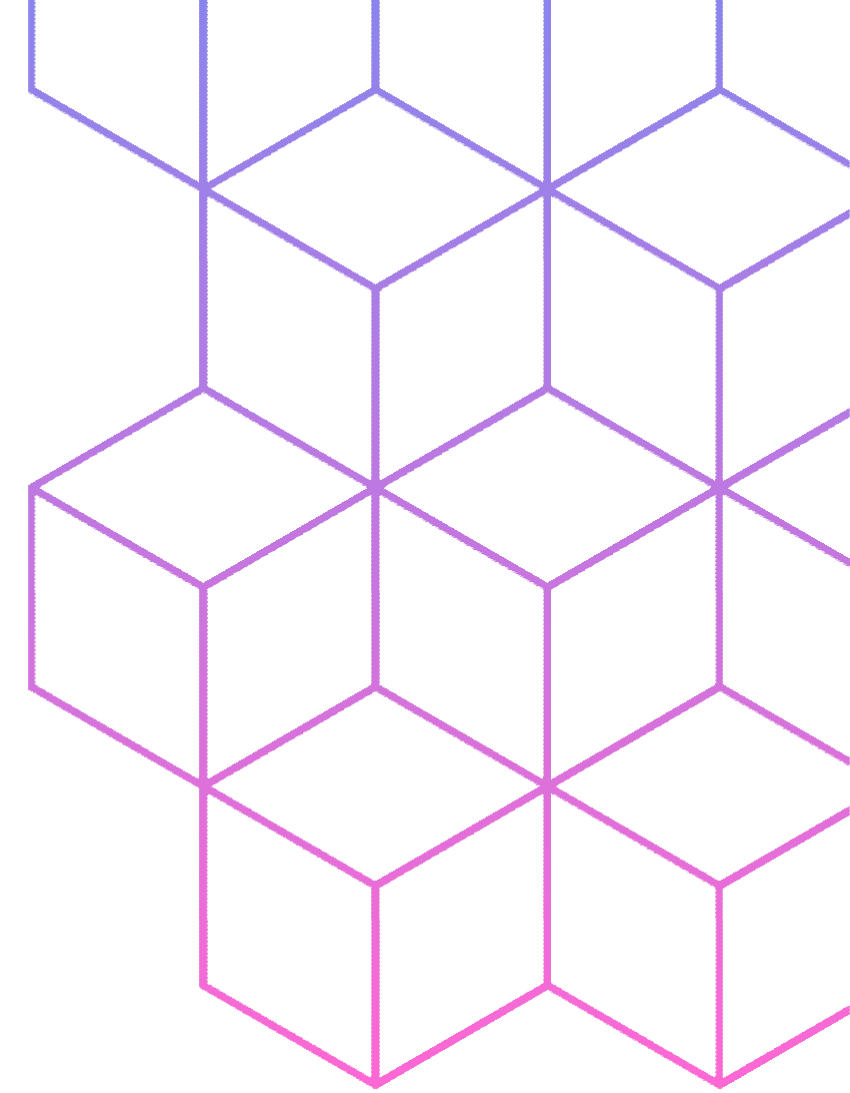
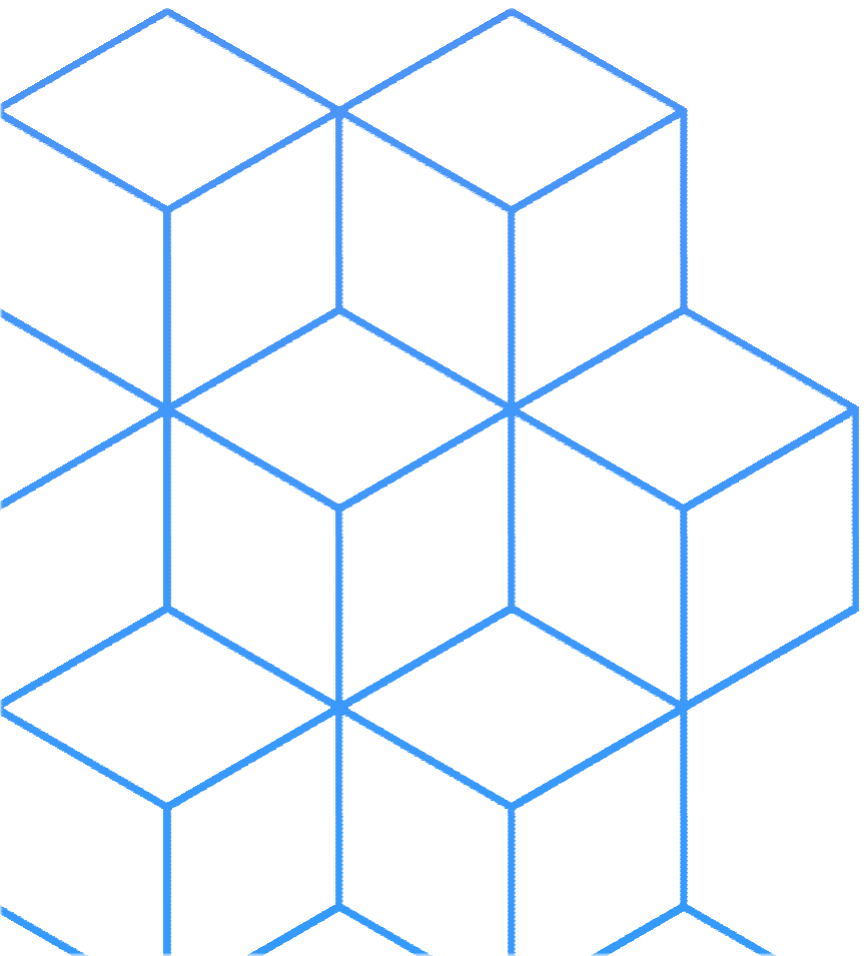
Agenda

Overview

January - April 2023

Position: Teaching Assistant - University of Victoria

As a lab instructor at the University of Victoria, I had the opportunity to support Dr. David Medler in his course "Statistical Methods in Psychology II" (PSY 300B) during the Spring 2023 semester. In this role, I demonstrated my expertise in collecting, processing, and analyzing large datasets, identifying trends and patterns, and providing data-driven insights and recommendations to students.



My Role

01

Facilitating lab sessions for 105 psychology undergraduate students

02

Troubleshooting and debugging students' codes to analyze datasets through various inferential statistics methods

03

Assisting students in applying theoretical knowledge of descriptive statistics, t-tests, ANOVA, and other methods on real-world datasets

04

Advising students on selecting the most appropriate research designs for their final projects

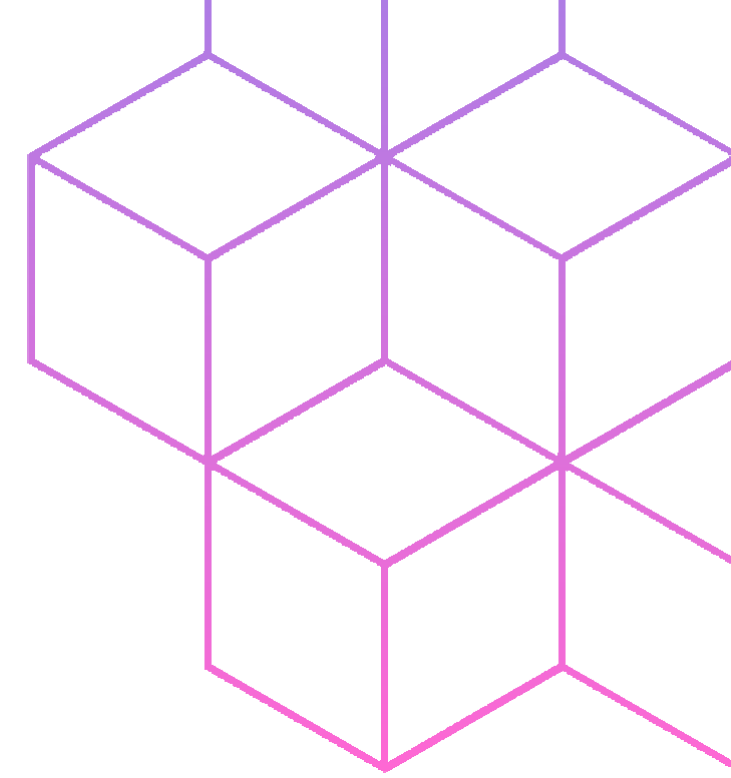
05

Supporting students in analyzing their datasets during one-on-one sessions (office hours)

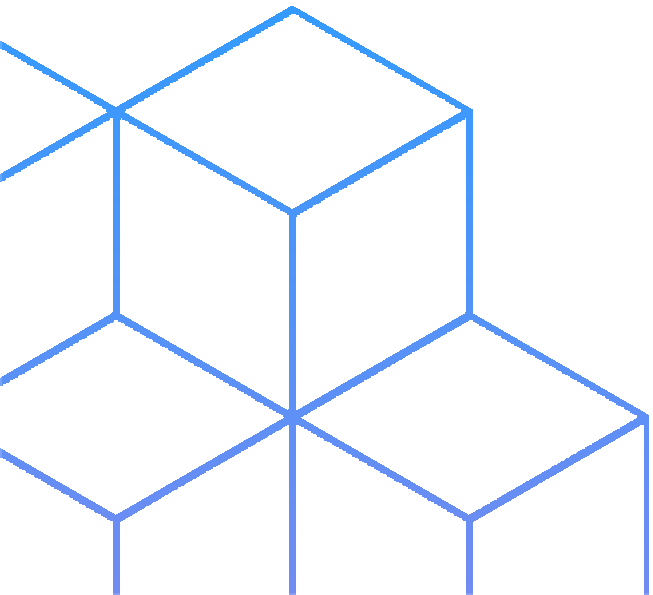
06

Evaluating students' R output and providing guidance on interpreting their data

How did my sessions look like?



- I showcased my ability to analyze datasets using statistical analysis techniques and R coding by guiding students in their coursework and final projects.
- I helped students identify trends, patterns, and insights from their data, and provided recommendations to address key research questions and hypotheses.
- By collaborating with students during office hours and one-on-one sessions, I supported their understanding of best practices in data analysis and research design, ensuring their projects were both methodologically sound and data driven.



Student's feedback

During the final day of sessions, i created a survey to document students' feedback.

1. In one sentence, describe how the lab sessions have helped you improve your R skills.

These lab sessions have taken me from having no knowledge or skills of the R program, to having adequate knowledge and skills about R

I know how to set a working directory and load packages

I can use R with the pre-made code

lab sessions were able to boost my understanding of course material and made it easier for me to follow the course content

The lab provided hands on experience to develop a basic understanding of R

i can be able to differentiate codes and know how to navigate R efficiently

Reflections

My experience as a lab instructor in the "Statistical Methods in Psychology II" course at the University of Victoria highlights my expertise in R and coding skills, as well as my ability to effectively teach and support students in their academic endeavors. By fostering a strong foundation in statistical methods, data analysis, and research design, I contributed to the development of essential skills for students' future success in psychology and related fields.