

## Learning Contract

In Neighborhood Analysis, I agree to work towards a grade of A. I have met with Professor Greenlee to discuss the details of this agreement on \_\_\_\_\_. Any changes to this agreement will require an updating of this contract in consultation with Professor Greenlee, and may must be made by March 22, 2021. In addition to meeting all of the baseline requirements for the course, I would like to add the following learning and engagement goals:

### Professional Portfolio

- Create a portfolio of polished neighborhood analysis projects to present to future employers. This semester I am taking two more technical skills classes: transportation modeling and physical planning. I would also like to include polished projects from these courses in my portfolio as well.
- Learning Goal: I will learn how to create a portfolio that is robust but also focused in order to secure future employment.
- Reconciliation Period: May 14<sup>th</sup> 2021

### Gender Inequality in the City Website

- Ideally this will be an extension of my final project where I hope to focus on gender differences within the city. I hope to extend my project to create and host a website that displays that results of my research and the graphics I produce.
- Learning Goal: I will learn how to create a website and tell the story of my research through a new creative lens.
- Reconciliation Period: May 10<sup>th</sup> 2021.

### R Studio Refining Graphics

- Work through chapter 6 – 8 of the Data Visualization text and learn how to refine R studio graphics. Main focus will be on Chapter 8 to solidify customization techniques in R studio.
- Learning Goal: I will learn how to refine and customize my graphics.
- Reconciliation Period: March 29<sup>th</sup> 2021.

### Lab Notebook Graphics Extension

- Use the knowledge gained from Chapter 8 in the text to create high level graphics for one of the lab notebooks. These graphics will answer my questions posed in one of my polished lab notebooks.

- Learning Goal: I will apply my R studio graphic creating skills to a lab that I am interested in and use those skills to tell the story of further research.
- Reconciliation Period: April 30<sup>th</sup> 2021. (Will most likely be sooner but I'm not sure which lab I will extend yet)

## **Contract Rationale**

### **Learning Goals:**

I hope to strengthen my R skills.

I hope to learn how to tell stories to the general public effectively.

I hope to learn how to quickly and efficiently analyze data.

I hope to work in the private sector after graduation, specifically doing data analysis and data visualization in the urban planning field. Each of these learning goals will help me get a job in that field. I am also planning on having children soon after graduation and would like to gain some technical skills that can help me get a part-time consulting job in my field so that I can stay home with my children when they are young.

### **Strengths:**

Some of the strengths are bring to this class include prior urban planning experience in writing general plans and municipal code, R experience, a creative eye, and a desire to share stories in a compelling and captivating way. I hope to use these strengths as well as others to help my fellow classmates and go beyond the scope of the class to address issues that we are all interested in.

### **Areas for Improvement:**

I want to improve my ability to search and retrieve different data sources for analysis because this is what I struggle with the most. I would also like to work on my technical writing so those extended lab notebooks should be helpful. I would appreciate constructive feedback on those so that I can improve on my writing.

Signed

Agreed to by

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