

# CSSS 569 Visualizing Data and Models

## Lab 1: Intro to labs and R Markdown

Brian Leung/Kenya Amano

Department of Political Science, UW

January 8, 2021

Let's talk about me

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- ▶ Use Slack channel

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- ▶ Develop, eventually, your own workflow, critical thinking, and aesthetics

# Labs schedule

Week	Topic
<hr/>	
<i>Setting the Stage</i>	
1	Intro to R Markdown
2	Intro to L <sup>A</sup> T <sub>E</sub> X with Overleaf
<i>Graphic Tools in R</i>	
3	Intro to Base R Graphics and ggplot2
4	Advanced ggplot2 and Extensions
5	Intro to tile
<i>Selected Topics (Open to Input)</i>	
6	Visualizing Spatial Data
7	Visualizing Network Data
8	Visualizing Text as Data
9	Interactive Visual Display with R Shiny
<hr/>	

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  - ▶  $\text{\LaTeX}$  is supported; more next week

## R Markdown

- ▶ To compile an R Markdown document to PDF, you need to install  $\text{\LaTeX}$ 
  - ▶ If you haven't installed any previous  $\text{\LaTeX}$  distribution, I recommend TinyTeX
  - ▶ “TinyTeX is a lightweight, portable, cross-platform, and easy-to-maintain LaTeX distribution”

```
install.packages('tinytex')  
tinytex::install_tinytex()
```

- ▶ Let's demonstrate