

POP77154 — Data Visualisation for Data Scientist

Module Information	
Module Code	POP77154
Module Title	Data Visualisation for Data Scientist
Department	Political Science
Module Personnel	Jeffrey Ziegler
Academic Year	2026-27
Credit Weighting	5 credits
Semester	Semester 2
Contact Hours	I will hold office hours for individual 15-min meetings, please sign up! If you cannot attend regular office hours, please contact me via email.

Module Content	
Module Description	This course builds foundational skills in data visualization, emphasizing both conceptual principles and practical techniques. We begin by establishing core competencies in R, tidy data workflows, as well as the essentials of graphic design and data mapping. As the module progresses, we focus on representing amounts and proportions, visualizing uncertainty, and effectively communicating relationships and comparisons. Special attention is given to the use of themes and annotations to enhance interpretability. The final weeks explore strategies for visualizing complex data structures; including spatial, temporal, and textual information. Much of the learning will occur outside the classroom through hands-on practice with statistical software, critical analysis of existing visualizations, and iterative project work.
Module Learning Aims	
Learning Outcomes	List the key learning outcomes

Module Content

Indicative Reading / Resources

I will provide a list of interesting and pertinent books that will be used during the course.
You need to consult them occasionally, but you do not need to purchase them. I will provide the assigned readings in PDF format on the course website.

Assessment

Assessment Components

Problem Sets 50%
End of Term Project 50%
Reassessment Examination 100%

Assessment Details

N/A

Additional Information

Prerequisites

None

Co-requisites

None

Any other information

None