

GEOGRAPHY 4/590: Geospatial Data Science

Winter 2022

Schedule (subject to minor changes)

Week	Day	Date	Lecture x 1 hour	Lab x 2 hours	Project
1	M	Jan 3	Introduction	Getting started with Python + GitHub	
2	M	Jan 10	Table data	Wildfire and Census data	
3	M	Jan 17	Network data	Walking distances	
4	M	Jan 24	Gridded data	Remote sensing and climate reanalysis	
5	M	Jan 31	Machine learning	Three machine learning examples	Submit project ideas
6	M	Feb 7	Data/code management	Get started on project	Initialize project
7	M	Feb 14	Data access	Wildland-urban interface + wildfires	
8	M	Feb 21	Visualization	Project work	Project check-in
9	M	Feb 28	Ethics and responsibility	Greenspace accessibility	
10	M	Mar 7	Project presentations	Project presentations	Submit project write-up