

COM591-592 Independent or Directed Research Learning Contract template

Between Ellie Ross and Benjamin Mako Hill

(Student name) (Faculty supervisor name)

(Name of student's advisor, if different from faculty supervisor)

[Winter, 2023]

Number of credits sought: 2

(Student should invest ~3 hrs/week over 10 wks per credit, as per <https://www.washington.edu/students/reg/credit.html>)

Grading: CR/NC_X__ or Numerical grade__

Research project title/topic Applied Python Programming

Part I. Introduction to Data Science in Python

Section	Actions Needed	Intended Deadlines
Intro to the Course	2hr lecture 5hr reading	2 graded assignments Due Jan 8 at 11:59 pm
Basic Data Processing with Pandas	1.5hr lecture 1hr reading	2 graded assignments Due Jan 15 at 11:59pm
More Data Processing with Pandas	1.5hr lecture 2h reading	2 graded assignments Due Jan 22 at 11:59pm
Answering Questions with Messy Data	30min lecture 1.75 hr reading	2 graded assignments Due Jan 29 at 11:59pm

Part II. Applied Plotting, Charting & Data Representation in Python

Section	Actions Needed	Intended Deadlines
Principles of Information Visualization	45min lecture 1.5hr reading	1 graded assignment Due Feb 5 at 11:59pm
Basic Charting	1hr lecture 1hr reading	1 graded assignment Due Feb 12 at 11:59pm
Charting Fundamentals	1.25 hr lecture 1hr reading	1 graded assignment Due Feb 19 at 11:59pm

Applied Visualizations	30min lecture 30min reading	1 graded assignment Due Feb 26th at 11:59pm
------------------------	--------------------------------	---

IV.

Dates & Times of Mtgs with Supervisor	Progress report & materials to be sent to Supervisor at least 24 hours < each mtg	Explanatory Notes
1. Jan 30th	Progress on Part I	
2. Feb 27th	Progress on Part 2	

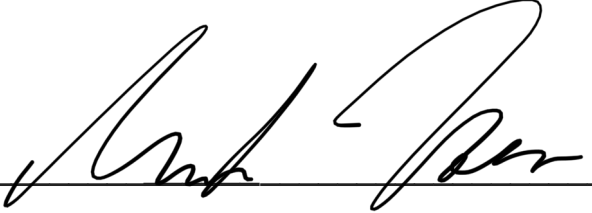
V. By noon on xx/yy/zzzz, at least one of the following must be sent to the supervisor:

The grade report from both Part 1 and Part 2 of the course.

Criteria for credits (CR) are the completion of [parts I – V] including:

**At least 2 meetings with the supervisor prior to 03/06/2023 for which progress reports are sent at least 24 hours in advance.*

Failure to fully complete these will result in no credit.

 1/9/23

Student Signature Date

 2023/01/09

Faculty Supervisor Signature Date

 2023/01/09

Student's Advisor's Signature Date

(or Graduate Program Coordinator if student has no advisor)

Submit completed learning contract to Heather Werckle no later than the fourth day of the quarter.