

Instructor: Jennifer Dill, Ph.D.
Urban Center 370P | jdill@pdx.edu

Teaching Assistant: Mina Kim kimmin@pdx.edu

Course times: Tuesdays 10 – 11:50 am URBN 270
Thursdays 10 – 11:50 pm Optional lab sessions

Office Hours: My office hours are usually on Fridays 11 am - 12:30 pm, but sometimes I need to move them to Thursday afternoons. Use this calendar to schedule office hours [by appointment](#). After you take a slot, let me know if you want to meet virtually or in person.

Course Description and Objectives

This course builds upon Planning Methods I, with a focus on quantitative methods. Planners often need to develop, analyze, and interpret quantitative information. By the end of this course you should

- be able to perform quantitative analyses, including basic statistical tests, using a large dataset and communicate your analyses to a general, non-technical audience
- be able to use data analysis methods to examine disparate outcomes for marginalized communities, including across race, gender, class, age, and disability
- understand current limitations in data collection and analyses related to equity and how to address them
- be a critical consumer of data analyses and communication done by others
- understand common quantitative techniques used in planning
- feel more comfortable reading and understanding quantitative analysis in peer-reviewed journals

We will emphasize how to ask and answer planning questions with quantitative information and how to convey those answers to our audiences. In addition to standard statistical techniques (chi-square, t-tests, ANOVA, correlation, regression), we will cover other quantitative techniques used in planning. This includes economic analysis techniques/measures, population projections, and a few other examples. The course will continue the focus on parks in Portland by using data from a survey conducted in 2017 for Portland Parks and Rec.

Class meetings and Schedule

I have designed this course to be "hybrid," meaning that you are not required to attend both class sessions every week. Some of the course content is available in recorded video lectures, thus replacing the need to all meet in person or virtually at the same time. The plan is to meet synchronously in-person only on Tuesdays. I expect you to have watched the video(s) before we meet on Tuesday. We will use the class time to discuss and use the material from the recorded lectures and cover additional topics. During week 1 on Tuesday we will meet virtually, since I have to be out of town at a conference.

On Thursdays, there will be optional labs, led by our teaching assistant (TA), Mina Kim. The first week this will be virtual. We will announce whether the following weeks will be virtual or

in person. These labs serve two functions: (1) helping students learn software to do statistical analysis; and (2) helping students with assignments.

I reserve the right to adjust the schedule to delay deadlines, swap assignment deadlines, and/or use the Thursday time slot for a regular in-person or virtual synchronous class meeting. This might happen due to illness, weather emergencies, or other unanticipated issues. See the Canvas main page for more about the flow of the class.

Assignments

There are eight weekly assignments (A1-A8). These assignments are due Monday at 10 am. Deadlines may be adjusted if necessary. For assignments A2 through A6, you will be using the data from a survey that PSU conducted for City of Portland Parks and Recreation. For A7, you will find and analyze an article in the *Journal of the American Planning Association* that uses quantitative data related to one of the topics. For A8 you will use historical population data from Oregon that I will provide on Canvas.

For A9, you will continue work from USP 533 and develop and pre-test a short survey. You will develop the survey in your group from USP 533, but will individually test the survey and complete the assignment.

For A10, starting in Week 4, we will have reading groups focused on the book *Data Feminism*. You'll be reading and discussing (in class) one or two chapters from the book each week.

Details on each assignment will be posted on Canvas.

Almost every week there will be a short quiz testing some key concepts that you should understand by the end of the term. These quizzes will not be graded, but you must complete them to receive credit.

| Assignment | Points | Deadline |
|---------------------------------------|---------------|-------------------------------------|
| A1. ACS data | 10 | January 22 |
| A2. Descriptive statistics | 10 | January 29 |
| A3. Proportions | 10 | February 5 |
| A4. Means | 10 | February 12 |
| A5. Correlation | 10 | February 19 |
| A6. Regression | 10 | February 27 |
| A7. JAPA | 8 | March 5 |
| A8. Population forecasting | 10 | March 11 |
| A9. Survey development & testing | 10 | March 25 |
| A10. <i>Data Feminism</i> discussions | 8 | Weekly in class starting January 30 |
| Ungraded quizzes | 4 | Weekly, usually midnight Wednesday |
| TOTAL | 100 | |

Unless noted otherwise, assignment deadlines are 10:00 am.

Readings

There are two textbooks for the course. A few other readings will be posted on Canvas.

Basic Quantitative Research Methods for Urban Planners, edited by Reid Ewing and Keunhyun Park, Routledge and American Planning Association, 2020. Available at the PSU bookstore.

D'ignazio, Catherine, and Lauren F. Klein. *Data feminism*. MIT press, 2020.

This is available free, electronically from the PSU Library. Go to <https://library.pdx.edu/> and type Data Feminism into the search.

Grading Policies

Late assignments will be assessed a penalty of 1/3 grade per day late, unless the lateness is due to illness or other emergency.

If will allow you to redo an assignment if your grade is below an 8.5 out of 10. This should be done within a week of when you receive your grade, but no later than Friday of finals week.

The assignments posted on Canvas will each list what I will be looking at for assessing a grade.

PSU's grading system for graduate courses is available [here](#). It is defined as follows:

A—Excellent

B—Satisfactory

C—Below graduate standard

D—Failure

F—Failure

I will use the following scale for assigning your course letter grade:

| | | | |
|----|-------------------|----|-----------|
| A | 94%+ | B- | 80%+ |
| A- | 90%+ | C+ | 77%+ |
| B+ | 87%+ | C | 74%+ etc. |
| B | 84%+ ₋ | | |

Incomplete grades

I will assign an incomplete (I) grade when circumstances are consistent with PSU's policy on incomplete grades (below). If you do encounter unforeseen circumstances, approach me as soon as possible about entering into a written agreement for an incomplete grade.

Students do not have a right to receive or demand an Incomplete grade. The option of assigning an Incomplete grade is at the discretion of the instructor when the following criteria are met.

Eligibility Criteria:

1. Required satisfactory course completion/participation.
2. Reasonable justification for the request.
3. Incomplete grade is not a substitute for a poor grade.
4. Written agreement. (See [Incomplete Contract](#))
5. Resolving the Incomplete.

For the full Incomplete Policy see <https://www.pdx.edu/registration/grading-system#/?section=incompletegradei>

Student Services

Access and Inclusion for Students with Disabilities

PSU values diversity and inclusion; My goal is to create a learning environment that is accessible, equitable, inclusive, and welcoming. I am committed to fostering mutual respect and full participation for all students. If any aspects of instruction or course design result in barriers to your inclusion or learning, please notify me. Additionally, the Disability Resource Center (DRC) provides reasonable accommodations for students who encounter barriers in the learning environment. The DRC works with students who have physical, learning, cognitive, mental health, sensory, and other disabilities.

If you have, or think you may have, a disability that may affect your work in this class and feel you need accommodations, contact the Disability Resource Center to schedule an appointment and initiate a conversation about reasonable accommodations.

If you already have accommodations, please contact me to make sure that I have received your faculty notification letter from the DRC so we can discuss your accommodations.

The DRC is located in 116 Smith Memorial Student Union. You can also contact the DRC at 503-725-4150 or, drc@pdx.edu. Visit the DRC online at <https://www.pdx.edu/disability-resource-center>.

Safe Campus Statement

Portland State University desires to create a safe campus for our students. As part of that mission, PSU requires all students to take the learning module entitled Creating a Safe Campus: Preventing Gender Discrimination, Sexual Harassment, Sexual Misconduct and Sexual Assault. If you or someone you know has been harassed or assaulted, you can find the appropriate resources on PSU's Enrollment Management & Student Affairs: Sexual Prevention & Response website at <http://www.pdx.edu/sexual-assault>

Student Food Security

Any student who has difficulty affording groceries or accessing sufficient food to eat every day, or who lacks a safe and stable place to live, and believes this may affect their performance in the course, is urged to contact Committee for Improving Student Food Security for support at foodhelp@pdx.edu. Furthermore, please notify the professor if you are comfortable in doing so. This will enable her to provide any resources that she may possess.

Title IX

Portland State is committed to providing an environment free of all forms of prohibited discrimination and sexual harassment (sexual assault, domestic and dating violence, and gender or sex-based harassment and stalking). If you have experienced any form of gender or sex-based discrimination or sexual harassment, know that help and support are available. Information about PSU's support services on campus, including confidential services and reporting options, can be found on PSU's Sexual Misconduct Prevention and Response website at:

<http://www.pdx.edu/sexual-assault/get-help> or you may call a confidential IPV Advocate at 503-725-5672 or schedule Online at <https://psuwrc.youcanbook.me>. You may report any incident of discrimination or discriminatory harassment, including sexual harassment, to:

- PSU's Title IX Coordinator: Rebecca Lawrence by calling 503-725-4410, via email at titleixcoordinator@pdx.edu or in person at Richard and Maureen Neuberger Center (RMNC), 1600 SW 4th Ave, Suite 830.
- Taylor Burke, Deputy Title IX Coordinator and Dean of Students: 503.725.4422 | askdos@pdx.edu, Smith Memorial Student Union (SMSU), 825 SW Broadway, Suite 433

Please be aware that all PSU faculty members and instructors are required to report information of an incident that may constitute prohibited discrimination, including sexual harassment and sexual violence. This means that if you tell me about a situation of sexual harassment or sexual violence that may have violated university policy or student code of conduct, I have to share the information with my supervisor, the University's Title IX Coordinator or the Office of the Dean of Student Life. However, the Title IX Coordinators will keep the information confidential and refer you to a confidential advocate. For more information about Title IX please complete the required student module [Understanding Sexual Misconduct and Learning Resources](#) in Canvas.

Cultural Resource Centers

The Cultural Resource Centers (CRCs) create a student-centered inclusive environment that enriches the university experience. We honor diversity, explore social justice issues, celebrate cultural traditions, and foster student identities, success, and leadership. Our centers include the Multicultural Student Center, La Casa Latina Student Center, Native American Student & Community Center, Pan African Commons, Pacific Islander, Asian, Asian American Student Center and the Middle Eastern, North African, South Asian program. We provide student leadership, employment, and volunteer opportunities; student resources such as computer labs, event, lounge and study spaces; and extensive programming. All are welcome!

Policies and Practices Related to COVID-19

Please review guidance from [The Center for Student Health and Counseling \(SHAC\)](#) about current COVID-19 recommendations and resources.

Academic Honesty and Plagiarism

Students are expected to be ethical not only in the classroom, but also out of the classroom. It is in all students' interest to avoid committing acts of academic dishonesty and to discourage others from committing such acts. Academic dishonesty includes, but is not limited to, the following examples: engages in any form of academic deceit; refers to materials or sources or uses devices not authorized by the instructor for use during any quiz or assignment; provides inappropriate aid to another person in connection with any quiz or assignment; engages in plagiarism.

“Plagiarism is the act of claiming someone's work as your own through copying it without giving the creator of the work credit. Plagiarism can also include using another person's theories, ideas, or phrases without proper attribution. The simplest way to avoid plagiarizing is to always cite the sources from which you gather information or develop arguments. Plagiarism is a serious issue and is a violation of the PSU Student Conduct Code http://www.ess.pdx.edu/OSA/osa_b.htm.”
(source: http://www.lib.pdx.edu/instruction/sharons_originals/citationplag.html#plag)

University policy requires instructors to report all instances of plagiarism and penalize the perpetrator(s) according to guidelines set. Please see me if you ever have any questions about how to cite your work.

Technology

Technology access

Proficiency in the use of Canvas, PSU email, and other computer tools such as ZOOM is required for this course. This course requires consistent access to functioning computer equipment and Internet access throughout the length of the course. Reliance on a cellular connection may not provide reliable and fast access to online learning resources. Here are some broadband programs that are free or low-cost: <https://www.highspeedinternet.com/resources/are-there-government-programs-to-help-me-get-internet-service>

I will not require you to have your camera on while we meet.

Class Recordings

We will occasionally use technology for virtual meetings and recordings in this course. Our use of such technology is governed by FERPA, the [Acceptable Use Policy](#) and PSU's [Student Code of Conduct](#). A record of all meetings and recordings is kept and stored by PSU, in accordance with the Acceptable Use Policy and FERPA. Your instructor will not share recordings of your class activities outside of course participants, which include your fellow students, TAs/GAs/Mentors, and any guest faculty or community based learning partners that we may engage with. **You may not share recordings outside of this course.** Doing so may result in disciplinary action.