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UEP 305 and 305A: Urban Data Analysis Fall 2023 This cousefulfills Care Programme uniment CPMS

Ledue Tusklys and Thusklys, 1:30255pmPST in HSC202 Lab Tuskly or Thuskly 315440pmPST in HSC208

Professor Janes Sattl jsattl[®] oxy.edu ard Professor Maya About nayababout[®] gnail.com Office hrus Prof. Sattl Tuss 1011 amard 430–530 pm; Wed 6157.15 PM HSC 105 Office hrus Prof. About Marriay 67 pm

Cause Description Inthis cause, you will learn how to do unertand and you be made in inthis cause, you will learn how to do unertand and you be made it in the public policies using quantitative data Quantitative data provide a compelling means by which we can undestand the magniture of uban public sand make comparisons on who is impacted by these public sands across demographic groups, mighorhoods, cities, and curtains. Quantitative data can also help identify solutions, including public policies, and then evaluate the effectiveness of those solutions. Ultimately, curtaskis to develop quantitative reasoning skills in order to multiple facts in the pusuit of an anejust and equitable uban society. In the words of ubang ographer Elvin Wyly. 'Getmad Get data Get towark' O; as Daniel Patrick Moynilan arcessid "You can't solve a public muntil you first learn how to measure it."

Datais all acurdus Using interpeting and understanding where it comes from is the core of numerous professions and pusuits inhoth the uban and environmental policy realns. This couse reviews the basic foundations of statistics for social science applications. This will enable you to better understand and consume data and statistical information as well as producing statistical analyses you self. Tools such as Microsoft Excel and Stata will be used to name gear dardyze data. Though the group research project, you will put you rick as into action. UEP 305 will preprie you to conduct your senior competensive research projects and act as a stepping store toward other courses focused on quantitative analysis.

Sturket Learning Outcomes

- 1. Critically think about quantitative data how it is used and where it comes from
- 2 Developted rical and statistical skills using Excel and Stata
- 3 Umbstantitrerescachdsignprocess from a social science perspective
- 4 Caryotareseach poject footing on topics in uban and entiron ental policy

CauseStructure

Young beabert from a class - "lecture" or "lab" session-twice without any explanation required Being late to a class is counted as \(\frac{1}{2} \) of a class absence - see "Class Attendance" below

If you have 3 dor 4 habsens, you will lose or ditattle rate of 2% of your first course gade per absence If you miss more than 4 dass meetings, you likely will not pass the course—serious aspiring to gade tetale note.

Abutatenhme ("Eightypecent of successisshowing up" quite attributed to Wordy Aller) You deserve an explanation of myrational conattenhme and its relein the course. The content of each class and abmeding is essential to the learning grads and mastery of the subject, missed classes/activities cannot "markeup" in a way that that is comparable to being present. Reliable and on time attendance is not only out all for success in this class, it will be for the rest of your professional life, do not expect me to be flexible on this aspect of your grade. On time attendance in class is expected-"contine" means you are at your desk, ready to begin class at the required time, not walking in at that time or slightly after. This class meets just over 30 times during the senester; and if you miss more than 10% of those times you cannot pass the class.

Weurdestandthet things coneup-alred thorned calissue, family energency, or a similar situation, and we recognize

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All assignments should be posted to Moode in the enabled down one letter great distributed the enabled down one letter great distributed the enabled down one letter great distributed the enabled down one letter grade.

Class Topics by Week

SeeModle"ReadingS

Week	Date	Lecture Topic	Assignments
•			11335

6	5Oct	Designing ethical research projects & where to access data	Handout Assignment 3
6	Lab	Excel Data Management	
7	100ct	NOCLASS - I VILBREAK	
7	120ct	MidemReview	Assignent3due Midlennassigned
7	Lab	Wakanyarnidem	
8	170ct	Introduction to geospatial and sis and GIS	
8	190at	Practical examples of GIS	Midemidue
8	Lab	Accessing and analyzing spatial data	
9ad	24 Oct	Binary and Court dependent variables	
ad9	26 Oct	Statistical Tests and Hypotheses: z-test	HanlotAssignert4
9ad	Lab	Stata: Intro	
10	31-Oct	Statistical Tests and Hypotheses: t test	
		VOD TWSO 8/V LV GX HDV	Group Project Descriptive physis due
it		a regession	

11 7Nov Two sample T statistics ment 4 due

13	23 Nov	THANKSGIVING	
13	Lab	THANKSGIVING No Lab	

they actually do, and this is a way to discover what you meditoreview. In that context, the quizzes learn as much as the quizzed, so it is in every one sinterest to do this.

Checkyour Osyenail account at least twice acts, preferably before lecture or lab begins, as important information and assignments will be delivered this very arthenail is an official mode of course work communications at this College—use your "@osyedu" account for all class purposes

If your ed help with a writing assignment, the Writing Center https://www.oxy.edu/academics/sturbets
success/writing center has actions and faculty writing specialists that can help you in person are received and entered a

Recruiting advisors appointments are available Sun Thumon to ICPMPST Faculty writing specialists are available Mon Fit 123 PM to 7PMPST

Osy247Carlidatial Haline (323311-4141)