

DJ CORE ELATION *Golf?*

- I aim to be here at least 10 minute early every day, spinning music that slays. ...or... okay.... stuff I like and think you should experience

Orientation to the Course

SOC424 – Statistical Techniques w/ Ellis Godard

aka “Stats in Softpants (Ellis’ Version)”

Which class would you rather take?

- It's on each of you to manifest a classroom among us 📺
- Visual communication adds personality and credibility
- I need to see you, to know if you're happy, confused, or even here

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Announcements

- Lecture notes will be online
- All follow a common pattern
 - Meme, Announcements/Reminders, Title Page, Outline, Body, Lab, End
- Bullets @ top of Body slides, tied to Outline
- Last slide tells you we're done
- Most announcements will be in Canvas & email

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Welcome to Zoom

- Layout**
 - Speaker vs Gallery (but phones)
 - Shared screen & Split
 - PPT as Background? (test next time?)
- Use it!**
 - Cameras, please!
 - Reactions (raise hand, clap, laugh, emoji)
 - Chat function
- Features**
 - Not recording
 - Attendance report – use same login each day!
 - Polls, on occasion
 - Live Transcriptions & Interpreter Channels (optional)

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Outline for Today

- Welcome & Intros**
- Course Materials**
- Schedule & Structure**
- Grading**
- Help/Suggestions**
- Next Steps**

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Who is this guy?

- **Name**
 - ~~Godard~~, Professor Godard, ~~Dr. Godard~~, Ellis!
- **My story**
 - Germany, Georgia, Virginia, Santa Cruz
 - CSUN, UVA, SCU, PGSP...
 - CSR, ASR, CSR, & private consultant
 - Teach Stats, Methods, Sociology of Law, & Deviance
 - Expertise: Geometric Theory, Conflict Management, Phish
- **My Life**
 - Live in Moorpark
 - Wife & 2 kids (both now in college), no pets currently ☹
 - Volunteer in music education (mbird.org)

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General Course Guidelines

- Noted in intake form & included in syllabus
- All the generic stuff that makes syllabi nearly 30pp
 - Things I'll do
 - Things you're expected to do (and not do)
 - Resources to help you do it
- *Many* questions already answered within it
- Some stuff may be new to you:
 - Cheating! ...
 - Cell phones!
 - Late penalty / early bonus...

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Getting to Know You

- **Labs** (breakout rooms after lecture; same Zoom)
- **Office Hours** (1215-215, T&R – *different* Zoom)
- **Email me a Headshot/Selfie, ASAP**
- **Intake Form, ASAP**
 - In module for this meeting
 - Also noted in email sent, and ~6 other places
 - Submit before our next meeting!
 - Some items esp. *required*:
 - Codename for grades
 - Phone number for contact
 - Consents @ the end

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The Textbook

- ***Statistical Methods for the Social Sciences***
 - Alan Agresti (& Barbara Finlay), Pearson
- Excellent text
 - Have used for 36 years (since I took this class)
 - Have seen & tried others, always came back
 - But not an *Idiot's Guide to Stats for Dummies Made Easy*
- 5th Edition ISBN in syllabus
 - Online many places, used is fine, rental, kindle, etc. – I don't care
 - Contains all the required readings, and some homework problems
 - Earlier editions ok for reading, but not HW problems
- **DO NOT USE THE "WORLD" EDITION!!!**
 - Avoid any free PDF you find somewhere
 - Wrong problems & numbers. Your answers *will be wrong!*

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Course Syllabus

- **Only first third or so is course-specific**
 - Overview, Objectives, Readings, Assignments
- **Rest is General Course Guidelines**
 - Crazy extensive & Will not change
 - Other items (e.g. lecture dates in schedule) *might* (?)
- **Note, in particular, grade distribution**
 - More on grading process later...

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Software: SPSS

- **Originally Statistical Package for the Social Sciences**
 - Soc, Psych, Poli Sci
- **Cons:**
 - **Cost** - Expensive for full, student versions limited, trials expire
 - **Idiosyncratic** – Risk you learn the menus rather than the stats
 - **Short-sighted** – Most will *never* see it again; Excel & Google everywhere
 - **Archaic architecture** – Software increasingly in "the cloud"
 - **Not particularly mobile** – wont run on phone or tablets
 - GoogleDocs is free, everywhere, works in any browser
- **Pros:**
 - **Free access** – via 6+ options – an entire lecture, later
 - **User-friendly** – menu-driven choices rather than writing formulas
 - **Meet Expectations** – 497 & Grad Schools assume you know it
 - Though in grad school, you might use SAS, STATA, R...

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Online Resources

- Course Website
(www.csun.edu/~egodard/424)
- Canvas site (canvas.csun.edu)
 - Syllabus & Course Guidelines
 - Reading & Assignment schedules
 - All HWs, Labs, & Quizzes
 - Handouts, Lectures, etc.
 - Help files, online resources, etc.
 - Forums, Chats, Messaging, etc.
 - Intake Form & Grade Report
 - Abbreviated Schedule, FAQ, etc.



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Resources Outside of Canvas

- www.csun.edu/~egodard/424
 - Syllabus, Schedule, & Grade Report
 - Alt. schedule formats (inc. PDF of Canvas)
- For now, most key resources are outside Canvas:
 - Lectures: <http://www.csun.edu/~egodard/497/lect>
 - Homework: <http://www.csun.edu/~egodard/497/hw>
 - Handouts: <http://www.csun.edu/~egodard/497/hdo>
 - Some labs: <http://www.csun.edu/~egodard/497/lab>
 - Data: <http://www.csun.edu/~egodard/497/data>
- Remember that. Many of you will later be amazed when I shared these again and you claim that I didn't before. I did ;)

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Canvas Modules

The first module is just about the general pattern

GENERAL PATTERN FOR MODULES


SECTION OF THE COURSE

- Due
 - HW1: Homework assignment due, if one is due this module
 - READ: Required reading due for this module's topic
 - ISSUE: Relevant contemporary news item
 - FUN: Relevant reading, site, or video you might enjoy
- Lecture
 - LECTURE: Topic of this particular meeting
 - Topic in a nutshell
 - Key Course documents
- Lab
 - Quiz: Date and topic of quiz, if there is one for this module
 - Lab #19: Lab assignment that flows from this lecture
 - GUIDE: Task-specific guides, esp w/ screenshots
 - HELP: External resources that might be of use
 - Frequently Asked Questions highlight

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External Links

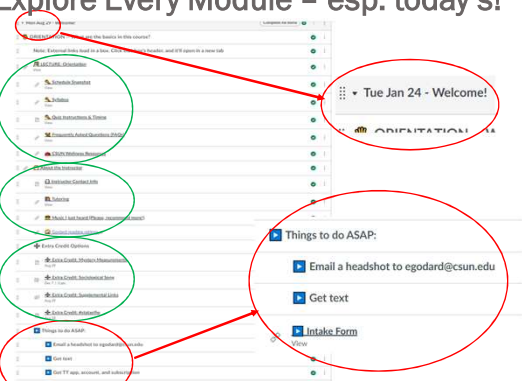
- Note: External links in Canvas launch in a new tab, but within a box *in* that tab, and often with an error.



- Click the header, and they'll reopen in their own tab.
- Even without an error, seeing notes, handouts, etc. in their own tab will make them muuuuuch easier to read.
- You're going to forget this, too. Write yourself a note. ☺

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Explore Every Module – esp. today's!



Things to do ASAP:

- Email a headshot to egodard@csun.edu
- Get text
- Intake Form

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Class Meetings

- **Lectures**
 - Notes in PDF (PPTs, 6/page)
 - Supplementary resources: readings, links, handouts, etc.
- **Labs**
 - Must come to *your* scheduled lab
 - Must submit on time (10 min. grace period for deadlines)
 - Days without lab meetings (Fa25)
 - First two lectures (8/26&28)
 - Days without lectures *or* labs
 - Veteran's Day (Nov 11)
 - Thanksgiving (No 27)
 - Last week (Dec 9 & 11) – tentatively “work sessions”

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Course Schedule

- **Full in Canvas, Abbreviated on website**
 - Readings, notes, instructions, submissions, quizzes, etc.
- **Frequently updated online**
 - New handouts, data, links, resources, etc.
 - Readings and/or due dates may shift
- **You're responsible for checking site**
 - Canvas supersedes anything printed or distributed
- **But in can be overwhelming, so several alternatives**
 - Bookmark the "schedule" link – png snapshot of everything...

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Basic Work Schedule Online

- **Attend Lecture T & R**
 - Attendance measured w/ Zoom sign in – *use the same name each day!*
 - Do reading *in advance* - more ideas in syllabus
 - 1 topic per day, 830-945 - Notes posted *afterwards* in PDF
- **On your Lab days:**
 - **Take Quiz in Canvas**
 - 1 per lecture, 5 questions each, multiple choice
 - Open 945-1025, then scores & feedback available for until 11:40
 - **Do Labs**
 - 1 per lecture, 23 required (plus 5 optional / extra credit – 28 total)
 - Can do *all* of them solo, but several incentives to work in groups
 - Breakout rooms in the same Zoom, immediately after lecture
 - Due 30 hours from start of lab (typically 4pm the next day)
- **Do Homeworks**
 - 9 due over the semester (plus an optional extra credit HW)
 - "Homeworks" are not the same as "Lab assignments"

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Schedule Snapshot...

#	Date	Read (5th)	Due	Area	Lecture Topic	Lab #	Lab Assignment	T Lab	R Lab
1	Tue Aug 26	1.1 to 1.4		Orientation	Welcome & Orientation	-	-	-	-
2	Thu Aug 28	1.1 to 1.4			Basic Terms	-	-	-	-
3	Tue Sep 2	2.1 & 2.5			Measurement Issues	1	Levels / Age 3x	1	-
4	Thu Sep 4	3.1			Data Reduction	2	Hazen & Hall	-	1, 2
5	Tue Sep 9	-	HW1	Description	Display & Analysis (Shapes & SPSS)	3	Total Miles	2, 3	-
6	Thu Sep 11	3.2 & 3.5			Central Tendency	4	CI	-	3, 4
7	Tue Sep 16	3.3 & 3.4			Dispersion	5	Dispersion	4, 5	-
8	Thu Sep 18	3.7			Indices & Data Cleaning	6	Music Index	-	5, 6
9	Tue Sep 23	4.2		Inference	Probability & z Scores	7	Standardizing Scores	6, 7	-
10	Thu Sep 25	4.3	HW2		Zs & Pa	8	Table A	-	7, 8
11	Tue Sep 30	3.6 & 5.1			Parameters & PI Estimation	9	Differences	8, 9	-
12	Thu Oct 2	2.2 to 2.4 & 4.5			Sampling (Issues, Methods, Effects)	10	Sampling	-	9, 10
13	Tue Oct 7	4.4 to 4.6			The Central Limit Theorem	11-EC	CLT/World (EC)	10, 11*	-
14	Thu Oct 9	5.3		Estimation	Confidence Intervals	12	CI for Intervals	12, 13	11*, 12
15	Tue Oct 14	-			CI for Proportions	13	CI for Proportions	-	-
16	Thu Oct 16	6.1 & 6.4		HW3	Hypothesizing & Zs	14	Writing Hypotheses	13, 14	-
17	Tue Oct 21	-			Hypothesizing for Large ns	15	Two Tests	14, 15	-
18	Thu Oct 23	6.3 & 6.8	HW4		The "t" test, for small ns	16	CI & Test Ages	-	15, 16
19	Tue Oct 28	5.4			Sample Size Estimation	17	Estimating n Needed	16, 17	-
20	Thu Oct 30	7.1, 7.3, & 10.1		Covariation	Differences in Means	18	Comparing Means	-	17, 18
21	Tue Nov 4	7.2	HW5		Differences in Proportions	19	Comparing Proportions	18, 19	-
22	Thu Nov 6	12.1			Analysis of Variance	20, 21-EC	ANOVA (+ MODELS EC)	19, 20, 21	-
23	Tue Nov 11	9.4 & 9.5			Scatterplots & Correlation	22	Grade Correlations	-	22
24	Thu Nov 18	9.1 to 9.3	HW6		Regression	23	Regression Lab	20, 21*, 22, 23	-
25	Tue Nov 20	10.2 & 11.1			Multiple Regression	24-EC	Multiple Reg (EC)	-	23, 24*
26	Thu Nov 25	8.1	HW7	Association	Crosstabulations	25	TBA (any)	24*, 25	-
27	Tue Dec 2	8.2 & p.233			Dependence	26, 27-EC	TBA (SCU) (& 27-EC)	26, 27*	-
28	Thu Dec 4	pp.238 to 243	HW8		Association	28-EC	Measures of Assoc (EC)	-	25, 26, 27*, 28
29	Tue Dec 9	-			(no lecture - work session only)	-	-	-	-
30	Thu Dec 11	-			(no lecture - work session only)	-	-	-	-
31	Tue Dec 16	-			(no meetings - deadline only - Finals Week)	-	-	-	-

Structure of Assignments

- **Sequential**
 - A set of 3 labs prepares you for each homework
 - More on structure next week, inc. connections & mathiness
 - Pace increases (HW due dates, # of lectures/quizzes/labs) but
 - a) You'll be comfortable w/ the material and workflow by then
 - b) You might get selective about which you do (later, NOT at the start!)
- **Options**
 - Drop lowest: 3 HWs, 3 labs, 3 quizzes
 - Could finish early? (though later zeroes mean earlier drops count)
 - Lots of extra credit opportunities – *never replaces anything*
- **What counts where?**
 - 424-L is based *solely* on the lab assignments
 - 424 is attendance (11%), quizzes (26%), homeworks (63%)
 - Passing each is a requirement of passing the other

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Lab Schedule "Leapfrog" Pattern

Labs are due 30 hours after *your* next lab starts,
Your lab meets once/week, so
You'll usually do whichever 2 labs you haven't done yet.
But I've given you LOTS of flexibility, so
Each week is different, & deadlines sometimes stack up!

	M	T	W	R	F
New that Lecture		1	2		
Due for Tue lab			1		
Due for Thu lab				12	

	M	T	W	R	F
	3	4			
		23			
				34	

	M	T	W	R	F
	5	6			
		45			
				56	

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Grading of Assignments (OL)

- **All scores & grades are posted in gradebook.pdf**
 - Requires codename from Intake (color, number, word, hero, etc.)
- **Labs**
 - Check (80), Plus (90), Minus (70), or 0 if insufficient
 - There will be some labs for which some of you don't follow instructions – no credit (0)
 - For groups of 3-5, a "secretary" gets 5 extra points
 - Must designate upon submission!
 - If you just *show up and actually try* each, you'll get at least C for 424-L!
- **Attendance**
 - Function of # meetings AND % attended (¼ of ¼ of them = 56%!)
 - Min. 2/3 (66%) to pass (product of meetings & minutes)
- **Quizzes**
 - 5 questions, 6 points each, on a 100-point scale (lowest is a 70!)
 - Excused absences get avg. of remaining quizzes (no makeup)
 - Remember – one per *lecture*, not per *day*

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Grading of HWs

- **Based on Missed Points (circled # @ top)**
 - Your #, and how the class as a whole did
- **But not divvied up as others do**
 - Not a percentage system (arbitrary cutoffs) – total points vary, & irrelevant
 - Not a "point system" (which is just percents in disguise)
 - Not a normalized (forced) "bell curve" – grades reflect performance
 - No assumptions about objective assessment
 - What makes a "fair" assignment is subjective
 - External factors (earthquake, fire, economy)
- **Complex formula (means, standard deviations, etc.)**
 - Will understand formula when learn the stats ☺
 - "Curve" around 80, but Class average closer to 78

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Magical Mystery Measurements

- I'll give you 9 numbers but not say what they mean
- Each is a measurement of the course itself
- 1st five students to "solve" each gets 1% semester bonus
 - "First" is defined by date/time of email w/ correct answer
 - No exceptions - Don't email me as a pair (or group)!
 - Don't ask FTF; someone might hear you and email before you do!
- Two other limitations
 - No student can get more than one per semester
 - You have until the last lecture, then I'll ID any left

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Early Penalty / Late Bonus

- **Like most faculty, I penalize late work**
 - 5% (a full letter grade) for each day a homework is late
 - Homework is due at the *start* of lecture, 10 min grace, no exceptions
 - This is for your benefit (so you won't get lost), for my benefit (so that I can grade all of one assignment at the same time), and for other students' benefit (so that grading is consistent)
- **But unlike anyone I know, I reward early work**
 - 2% for each day that work is submitted early
 - Must be submitted by *start* of the previous class
- **Four (4) class day maximum on either**
 - You can submit more than 4 days early, but cap of 8% bonus
 - You can submit more than 4 days late, but won't earn credit
- **Homeworks only (not labs etc.)**

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Warnings in the Syllabus

Work Alone

DO HW SOLO!
Do not work together when you have been instructed to work alone. Plan ahead as much as possible, and ask frequent questions early, but DO NOT complete assignments (other than group labs) together! Undertake study partners or groups with caution, and terminate them at the appropriate stage of your work. Discuss the contents of any assignment, and plan how to carry it out, with any other member of the class, the instructor, or anyone else. However, once you have actually begun the work on the assignment, only ask the instructor for help, no matter how minor. You may always consult written course materials, your own notes, or SPSS program "help" features, which we will review.

Careful Being Helpful

Academic dishonesty, as defined by the CSUN Schedule of Classes and Catalog Supplement, includes cheating, fabrication, plagiarism, as well as facilitating academic dishonesty. Facilitating academic dishonesty includes allowing another student to see your work, which they then reproduce in whole or in part and submit as their own, whether you know it or not.

Don't share your answers!

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Extra Credit Opportunities

- **Bonus points**
 - On some HWs
- **Extra Credit Assignments**
 - One optional HW (bottom of HW7)
 - Several optional labs, esp near end of semester
 - Count as additional submissions, *not as replacements*
- **Extra Extra Credit Opportunities (see today's module!)**
 - Recommending Recommend Readings
 - Sociological Song paper
 - License Plate Selfie
 - Mystery Measurements...

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From the syllabus, cont'd:

Be Honest

I exercise zero tolerance for academic dishonesty (including cheating and plagiarism), as outlined in the section on Academic Dishonesty in the *University Catalog* (<https://catalog.csun.edu/policies/academic-dishonesty>), and take any compromise of that policy very seriously. Ignoring this instruction will result in wasted time and investment, will damage your academic record, and will forego the opportunity to actually learn the material and benefit from the course.

Penalties

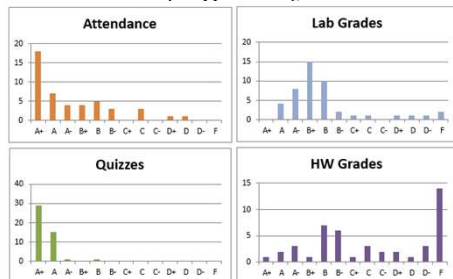
Penalties for academic dishonesty begin with a failing grade on the assignment. Identical (or even nearly identical) submissions from two or more students will earn instant zeroes. And if any part of an assignment is plagiarized, I may at my discretion assign a zero to (that is, give no credit for) that entire assignment. Do not, therefore, steal so much as a sentence fragment without proper attribution. And note that zeroes awarded for academic dishonesty will not be dropped, and will lower your semester grade.

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Assignment Grades Fall '24...

Most did ok – but many skipped 1 thing or another...



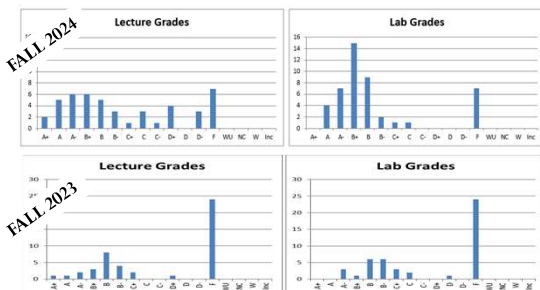
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Contact Options

- **Phone** – x4050 or 919-EGODARD
 - Call, TXT, SMS, MMS, etc.
 - No Facetime, sorry (but see "Video", below)
 - Voice mails come to me as TXT & Email, too
- **Email**
 - egodard@csun.edu or ellis@phish.net or ellis@mbird.org et al
 - Official form of communication @ CSUN
 - Need preferred address for updates, grade reports
- **Social Media (services, apps, games, etc.)**
 - Video: Zoom, Instagram Call, Facebook Messenger, or Skype
 - Staples: Facebook, Twitter, Instagram, Threads, Bluesky, Snapchat
 - Alternatives: **Proton**, Canvas Inbox
 - Dying? GoogleTalk, Hangouts, Yahoo Messenger
 - Archaic: MySpace, AOL/ AIM, MSN/ MSM
 - Informal: Phish.net, Chess.com, myfriendshipbracelet.com, COD Mobile
 - Bored? Stalk me on G+, LinkedIn, academia.org, etc.

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Overall Grades in recent semesters...



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Do the work, you'll do great – if you don't, I can't pass you ☹

Special Assistance

- ***I* am your tutor**
 - More access: 24/7, w/ 32+ different methods :)
 - Better answers: sociological, from the guy doing the grading ;)
 - No nightmarish anecdotes :o
- **Open Labs on Campus**
 - <http://www.csun.edu/it/computerlabs.html>
- **ISA in our lab (SH180), hours TBA**
- **Learning Resource Center (SB408)**
- **University Writing Center (see syllabus)**
- **Student Services Center / EOP**
- **CSBS Allies program**

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How're you gonna do all *that*??

1. **Use your time wisely**
 - Get here on time,
 - Stay until the end,
 - Focus on work while you're here
2. **Submit assignments on time**
 - Enforced strictly: HWs due at start of class!
 - Don't fall behind! (late penalty = 5% per class meeting!)
 - If you fall behind, I *will* find you!
3. **Use me to the fullest**
 - Email, call, text, PM, or whatever, anytime, around the clock
 - Office extension (x4050) fwds to cell, 24/7
 - Lots of other ways to find me & connect...

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For Your Next Lab...

- **Typically something here – not needed first week**
 - Also typically summarize previous labs, to est. momentum
- **Notes will give lab instructions or link to handout**
 - Most are group labs; 2 or 3 are "solo" & clearly labelled as such
- **First two labs not on SPSS**

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Things to Do ASAP

- **Get Text**
- **Read Syllabus**
- **Complete Intake Form**
 - esp. codename & phone number
- **Email me Headshot/Photo**
 - Or Facebook or Instagram invite
 - But *not* that Canvas thing. It's teensy. ☹️

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BTW, Soc Dept Insta page...



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See you next time...



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