STAT 513 – PROJECT ASSIGMENT
Due FINALS WEEK

Grade is based on your delivery of the presentation. See below for the schedule of oral presentations.

The presentation should include the following sections:

1. Background. Give a short description of the problem and its significance.
2. Data. Describe the variables and give the number of cases. Indicate any special characteristics concerning the experimental design.
3. Models. Explain the statistical model that is the basis for your analysis.
4. Results. Describe the results of your analysis. You can include short tables and graphical displays here.
5. Conclusions. State your conclusions in terms of the context of the background information that you provided in the first section. Be concise and avoid technical jargon.

Note that there are 12-15 minutes between the start of each presentation. Presentations can be done in PowerPoint, ADOBE, WORD. Pleasse upload these to D2L (ASSESSMENTS -> ASSIGNMENTS – PRESENTATION FOLDER) at least 24 hours before your presentation.

Suggestions for getting started.

- **EACH PERSON WILL BE USING DATA from the NIDA COCAINE COLLABORATIVE TRIAL. THE DATA HAS BEEN REDUCED TO CONSIST OF THE ACTIVE PHASE OF TREATMENTS (MONTH 1 THROUGH MONTH 6). THE DATA SET FINALCOKE.SAS7BDAT.**
- Analytical approach **must** consider two methods: **Cross-sectional Analysis at Month 3** and **a Cross-sectional Analysis at Month 6**
- Plan your first analysis looking at the intervention effect (TX_COND variable identifies the interventions) n your primary outcome.
- Secondary must consist of at least one two-way interaction. With the interactions, use LSMEANS, Estimate, and Contrast statements to determine what is driving the results of the interaction. Plots may help visualize what's going on.
- Final analysis must consist of at least one three-way interaction. With the interactions, use LSMEANS, Estimate, and Contrast statements to determine what is driving the results of the interaction. Plots may help visualize what's going on.
- Compare and Contrast the findings in the Cross-Sectional Analysis at Month 3 and the Cross-Sectional Analysis at Month 6
- You can include covariates, other people's outcomes as terms in the model (either main effects or part of the interactions).
- Run your basic models; discuss the results and refine the analysis
- Check model assumptions
- Outline the presentation
- Prepare the presentation
- Send me a copy of the powerpoint file (or whatever format you choose to present your findings)
- I only want the Presentation file. **You need not create a final report**. Your presentation is the report and what you are graded on
- I suggest you make the powerpoint concise (@15 slides and definitely< 20 slides)..

Data Set Name	STA.FINALCOKE	**Observations**
Member Type	DATA	**Variables**
Engine	V9	**Indexes**

Variables in Creation Order						
	Variable	**Type**	**Len**	**Format**	**Informat**	**Label**
	PATNO	Num	8	6.	8.	Patient Identifier
	MONTH	Num	8			Month of Study {0,1,2,3,4,5,6}
	TX_COND	Num	8	5.		Intervention of the Study 1=IDC, 2=CT, 3=SE, 4=GDC
	SITE	Char	9			Character variable identifying the 5 sites of the study. Refer to the paper for a description
	MED_SUB	Num	8			ASI Medical Composite
	EMP_SUB	Num	8			ASI Employment Composite
	ALC_SUB	Num	8			ASI Alcohol Composite
	DRU_SUB	Num	8			ASI Drug Composite
	LEG_SUB	Num	8			ASI Legal Composite
	FAM_SUB	Num	8			ASI Family Composite
	PSY_SUB	Num	8			ASI Psych Composite
	DAYSUSED	Num	8			Number of days used last 30
	BDI	Num	8			Beck Depression Index
	GSI	Num	8	5.2		Beck Global Severity Index
	BAI	Num	8			Beck Anxiety Index
	SIGHD17	Num	8			Hamilton Depression 17 Item scale
	SUIPU	Num	8	6.4		Self Understanding of Interpersonal problems – Understanding Scale
	SUIPR	Num	8			Self Understanding of Interpersonal Problems –Recognition Scale
	ARS	Num	8			Addiction Recovery Scale Total Score
	BEH_ARS	Num	8			Addiction Recovery Scale – Behavior Subscale
	BEL_ARS	Num	8			Addiction Recovery Scale – Belief Subscake
	BASA	Num	8			Belief About Substance Abuse Total Score
	HAM27	Num	8			27 item Hamilton Depression Scale
	IIP	Num	8			Inventory of Interpersonal Problems Total Score
	DOMI	Num	8			Inventory of Interpersonal Problems – Dominance Subscale
	VIND	Num	8			Inventory of Interpersonal Problems – Vindictive Subscale

Variables in Creation Order						
	Variable	**Type**	**Len**	**Format**	**Informat**	**Label**
	COLD	Num	8			Inventory of Interpersonal Problems – Cold Subscale
	SOAV	Num	8			Inventory of Interpersonal Problems – Socially Avoidant Subscale
	NOAS	Num	8			Inventory of Interpersonal Problems – NOAS subscale
	EXPL	Num	8			Inventory of Interpersonal Problems – Exploitive Subscale
	OVNU	Num	8			Inventory of Interpersonal Problems – Overly Nutrient Subscale
	INTR	Num	8			Inventory of Interpersonal Problems – Intrinsic Subscale
	Potential Covariates and interactive terms					
	M0ASIDR	Num	8	16.6		Baseline ASI Drug Composite
	M0ASIPS	Num	8	16.6		Baseline ASI Psychiatric Composite
	PS_HAM17	Num	8			Baseline Hamilton Depression 17 item
	M0ALU30	Num	8			Baseline Days Used Alcohol
	M0COC30	Num	8			Baseline Days Used Cocaine
	M0ASIAL	Num	8			Baseline Alcohol Composite
	M0ASILE	Num	8			Baseline Legal Composite
	M0ASIEM	Num	8			Baseline Employment Composite
	M0ASIFA	Num	8			Baseline Family Composite
	M0ASIMD	Num	8			Baseline Medical Composite
	PSBDI	Num	8			Baseline BDI
	PSGSI	Num	8			Baseline GSI
	PS_IIP	Num	8			Baseline IIP
	PS_DOMI	Num	8			Baseline DOMI
	PS_VIND	Num	8			Baseline VIND
	PS_COLD	Num	8			Baseline COLD
	PS_SOAV	Num	8			Baseline SOAV
	PS_NOAS	Num	8			Baseline NOAS
	PS_EXPL	Num	8			Baseline EXPL
	PS_OVNU	Num	8			Baseline OVNU

Variables in Creation Order						
	Variable	**Type**	**Len**	**Format**	**Informat**	**Label**
	PS_INTR	Num	8			Baseline INTR
	ps_ars	Num	8			Baseline ARS
	ps_BEH_ARS	Num	8			Baseline BEH_ARS
	ps_BEL_ARS	Num	8			Baseline BEL_ARS
	ps_basa	Num	8			Baseline BASA
	PS_HAM27	Num	8			Baseline 27 item Hamilton Depression
	ps_SUIPU	Num	8			Baseline SUIP – Understanding
	ps_SUIPR	Num	8			Baseline SUIP – Recognition
	PVDAYS	Num	8			Days until subject violates protocol
	CENSOR	Num	8			Binary indicator flagging violation of protocol
	DEDAYS	Num	8			Days until Drop out
	DCENSOR	Num	8			Binary indicator flagging Dropout
	ZM0	Num	8			Psych Composite Variable
	GENDER	Num	8	16.		0=Male, 1=Female
	AGE	Num	8	16.		Age in years
	M0CPI	Num	8	16.2		Baseline Socialization scale
	RACE	Num	8	16.		1=Caucasian, 0 = Non-Caucasian
	MAR_STAT	Num	8			1= married/Cohabitating 0=Lives alone
	JOB	Num	8			1=Employed 0=Unemployed
	CRACK	Num	8			1=Person uses CRACK cocaine 0=Person administers cocaine through IV or snorts cocaine
	EDUCATE	Num	8	16.		Years of Education
	COMPLETE	Num	8			1=Completed the Study 0=Dropout
	SITES	Num	8			Numeric version of the 5 levels of site. Values are 6,7,8,9,0
	GTHS	Num	8			Binary indicator 1 if person has more than a H.S. education / 0 if person has H.S. degree/GED H.S. equivalent, or less than a H.S. level of education

TUES Dec 9	TUES Dec 9	TUES DEC 9
400-415 MED_SUB Cohen, Daniel	600-615 **GSI** Zeleznock, Alex	800-815 **BASA** Kelly, Kathryn
415-430 EMP_SUB Zamora, Marc	615-630 **BAI** Winters, Chloe	815-830 **HAM27** Alade, Olujimi
430-445 ALC_SUB Cozzone, Perry	630-645 **SIGHD17** Keller, Brendan	830-845 **IIP** Zortea, Anthony
445-500 LEG_SUB Killion, Christine	645-700 **SUIPU** Singmaster, Brian	845-900 **DOMI** LePera, Natalie
500-515 FAM_SUB Cirvello, Jennifer	700-715 **SUIPR** Adu-Gyamfi, Kelly	900-915 **VIND** Delva, Jeffery
515-530 PSY_SUB Mahdavi, Armin	715-730 **ARS** Mallamaci, Anthony	915-930 **COLD** Miller, Danielle
530-545 DAYSUSED Kundi, Yasir	730-745 **BEH_ARS** Fisher, John	930-945 **EXPL** Pattinson, Rick
545-600 BDI Carlson, Ainsley	745-800 **BEL_ARS** Khan, Sabah	945-1000 **OVNU** Baser, Geoffrey

ZOOM LINK for the PRESENTATIONS: (CLASSROOM LECTURE LINK)
Join Zoom Meeting
https://wcupa.zoom.us/j/93875560466?pwd=QXdtQmZZRmRQVnVPTXZCRjY2RWtodz09

Meeting ID: 938 7556 0466
Passcode: 174027