

Emily Lynch
Pubh1h 490kr
Spring 2018

Homework 1: Due Tuesday, February 13th, 2018

Part I

Your research team is interested in evaluating whether social media use is associated with sleep.

- 1. Design a short survey (no more than 20 questions) to collect data on the exposure, outcome, and at least two potential confounders. If you've used existing questions/scales from another source, please note your sources somewhere for me.**

<https://goo.gl/forms/G7I4g4pzfdoZ9MBA3>

- 1. Write a codebook for the dataset that would be generated from the questions in the survey. Be sure to clearly indicate variable names, coding, and from what question(s) they were derived.**

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**Social
 Media and
 Sleep
 Habits
 Codebook**

Variable	Label	Values
gen	Participant's Gender	1 = Female 2 = Male
age	Participant's Age	Continuous (range 18-98)
acc	any social media accounts?	1=Yes 2=No
day_ft_TV	Free time spent watching TV/movies daily	0 = None 1 = Approx
day_ft_VG	Free time spent playing video games daily	0 = None 1 = Approx
day_ft_frnd	Free time spent hanging out w/ friends daily	0 = None 1 = Approx
day_ft_SoMe	Free time spent on social media daily	0 = None 1 = Approx
day_ft_exc	Free time spent exercising daily	0 = None 1 = Approx
day_ft	Free time spent reading a book daily	0 = None 1 = Approx
day_ft_tex	Free time spent texting/talking on phone daily	0 = None 1 = Approx

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Variable	Label	Values
check	How often do you...	0=Never/No Account
check	How often do you...	0=Never/No Account
check	How often do you...	0=Never/No Account

Part II

The UMass Vitamin D Study was a study of 288 young women (ages 18-30) who completed questionnaires, provided a fasting blood sample, and received a bone density scan with the primary purpose of assessing predictors of Vitamin D levels in this population.

1. Download the file “VitDhw1.dta” from Moodle.
2. Below are six questions to assess oral contraceptive use from the survey. Using these questions and the codebook on the next page:
 - 2.a. Assign an appropriate label to each variable.
 - 2.b. Label the values of categorical variables as appropriate.
 - 2.c. Produce a listing of the dataset contents using the “describe” command.

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Variable	Label	Values
check	What time of day do	1=Early Morning
bed_t	On an average	1=0.00 PM 0.20
bed_s	how successful at	1=Extremely

overwrite the original data file.

2.d.Save a copy of
your labeled
dataset, taking
care not to

Codebook

Variable	Label	Values
id	Study ID number	Continuous

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ever_oc	Ever used oral	0=No
why_oc	Why did you first start	1=birth control
oc_why_other	Reason for starting OC use	Text entry
age_oc	Age started using OCs	Continuous (range 12-27)
yrs_oc	How many years used OCs	Continuous (range 0-11)
curr_oc	Currently using OCs	0=No
type_oc	Type of OC currently using	Text entry

Results				
. describe				
Contains data from /Users/emily_lynch21/Downloads/VitDhw1.dta				
obs:	288			
vars:	8			26 Jan 2018 09:57
size:	18,144			
variable name	storage type	display format	value label	variable label
id	float	%10.0g		id: study id
ever_oc	byte	%10.0g	ynf	ever_oc: Ever used oral contraceptives
why_oc	byte	%17.0g	why_ocf	why_oc: Why did you first start using OCs?
oc_why_other	str17	%17s		oc_why_other: Reason for starting OC if selected other
age_oc	byte	%10.0g		age_oc: age started using OCs
yrs_oc	double	%10.0g		yrs_oc: How many years used OCs
curr_oc	byte	%10.0g	ynf	curr_oc: Currently using OCs
type_oc	str30	%30s		type_oc: Type of OC currently using
Sorted by: id				

18. a. Have you ever used oral contraceptives? ☐ yes ☐ no \rightarrow if no, skip to question 19

- b. If yes, why did you first start using them?

☐ birth control ☐ acne control ☐ PMS
☐ menstrual cycle regulation ☐ anemia ☐ PCOS
☐ other

 If other:

- c. If yes, at what age did you first use them?

- d. If yes, how many years, in total, have you used them?

- e. Are you currently using oral contraceptives? ☐ yes ☐ no \rightarrow if no, skip to question 19

- f. If yes, what type of oral contraceptives? Please name the brand or formula below:

[illegible]