

Introductory Statistical Analysis Session 3 Task

ASSIGNED ON: Wednesday 2/20/2013

DUE Tuesday 2/26/2013 9pm

Required tasks

1. Systematically organize the following information from the data set so that they are statistically analyzable:
 - a. For FHDM, assign a logical category for every subject from one of the following three choices--"yes", "no" or "NA" ("NA" for information NOT AVAILABLE). For example, ID1 would have "NA", ID3 would have "yes", IDs 4 and 5 would have "yes".
 - b. Create a column, name it something like "referral reason is chest pain", and extract information from "why referred", then assign "yes", "no" or "NA" to each subject appropriately. For example, ID1 would be "NA" because her referral reason did not indicate either "yes" or "no" for chest pain, ID9 would have "yes", and so on.
 - c. Clean up the "race" category by correcting the typos and making the race category names consistent (ie it is inconsistent that ID1 and 2 both are Asians but ID1 has "Asian" and ID2 has a space followed by "asian" all in lower cases. You may choose your own codes ("A" for "Asian", for example); All "A"s must code for persons who are Asians and not anyone from any other races.)
 - d. For the variable "history of GERD", assign "NA" to all empty cells.
2. Calculate the relevant descriptive statistics presented in session3 in the software of your choice for the following variables: gestation, age, Ht.m, Wt.kg, BMI. Specifically: mean, median, variance, standard deviation, range, minimum, maximum, skewness, sample size.
3. Calculate the count and frequency of the following variables: Gender, race after finishing 1c), FHDM (after finishing 1a), referral reason is chest pain (after finishing 1b), history of GERD (after finishing 1d).

How to turn in this assignment:

IN xlsx FORMAT. E-mail me (li.xie@nemours.org) back the Excel Workbook, name it like this: LastnameFirstinitial_session3hw_mmddyyyy

For example, my name is Li Xie, so I would name my file "xiel_session3hw_02222013"

Thank you and see you all on Wednesday!