

## Introductory Statistical Analysis Session 2 Task

ASSIGNED ON: Wednesday 2/13/2013

DUE Wednesday 2/20/2013

Explanation of data set (aka "codebook")

FHDM family history of diabetes mellitus

history of GERD is the child ever diagnosed with GERD (yes or no)

gestation gestation

why referred referral reason

age age

Ht.m height in meters

wt.kg weight in kilograms

BMI BMI

cp chest pain

Required tasks

1. Convert the qualitative information in "FHDM" and "why referred" into quantitative information, you choose how you wish to convert
2. How would you deal with the empty cells in "history of GERD", "why referred", "Ht.m" and "BMI"? Explain your reasoning.
3. Generate 5 STATISTICALLY TESTABLE HYPOTHESES from this data set
4. Design a study that answers ONE from required task #3, define the nature of your study (randomized controlled clinical trial? Prospective cohort study? Retrospective case-control study? Etc)

An example of statistically testable hypothesis: those who have CP tend to have higher BMI.

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\_session2hw\_mmddyyyy

so for me, I would name my file "xiel\_session2hw\_02132013"

Thank you and see you all on Wednesday!