(10 points) (Save your code as "q3.do")Please use fhs.dta to answer the following questions. (From HarvardX: PH207x Exercise)

(a) How many observations are missing for glucose at exam 1 (variable name is glucose1)?

Ans

(b) What is the 10th percentile of glucose level in women at exam 1?

Ans:

(c) Create a new variable, bmiligh1, defined as 0 if bmi1 is less than or equal to 25 and defined as 1 if bmi1 is greater than 25. How many individuals have bmihigh1=1?

Ans.

(d) Imagine we need to know each person's average BMI across each of their three exams (not the population mean, but a mean for each person in our data set).

Create a new variable called meanbmi. This new variable should be the average of bmi1, bmi2 and bmi3 for each respective person. Define this variable as missing if bmi1, bmi2 or bmi3 is missing.

i) What is the mean of meanbmi across all people for whom this value is non-missing?

ii) How many observations are non-missing?

Ans for i):

Ans for ii):

Let's define a new variable, meanbmi2, that is also the mean of bmi1, bmi2 and bmi3, but that treats missing values differently. For a given individual, define meanbmi2 as the mean of the non-missing values (e.g. if (e) In the previous question, meanbni was missing for anyone with a missing observation for BMI at any exam. BMI is missing for exam 2, then meanbmi2 is defined as the mean of bmi1 and bmi3).

What is the mean of this variable?

ii) How many observations are non-missing?

Ans for i):

Ans for ii):

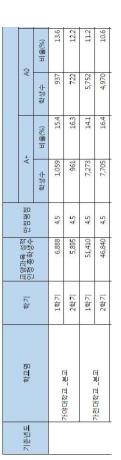
바 교양과목 성적평가 대학알리미-











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- 다음 항목 조회: 2015년 학생 교양과목 성적평가 분포 대학 (270개 4년제 대학의 1학기와 2학기 540개 관찰치 생성됨)
- 에셀 파일로 추출
- 1. 2014년 2학기 기준으로 {A+, A0, A-}를 합한 A의 비율이 가장 높은 대학과 가장 낮은 대학을 찾으세요.
- 2-1, 'A-'없이 'A+'과 'A0'만 부여하는 학교는 몇 개 학교인가요?
- 2-2. 위 학교 중 'A0'를 받은 학생수와 비교하여 'A+'을 가장 후하게 준 상위 3개 학교를 찾으세요.