Consulting Homework 2

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Use the tableone package to create the table:

library(tableone)  
# Read in the data.  
VAdata <- read.csv("C:\\Users\\timbv\\Documents\\School\\UC Denver\\Biostatistics\\Statistical Consulting 1\\Homework 2\\VAdata1.csv")  
VAdata$age <- as.integer(VAdata$age)  
# Subset just the males.  
VAdatamales <- subset(VAdata,VAdata$sex == 'M')  
# Convert ages and previous MI to factors.  
VAdatamales$age <- cut(VAdatamales$age,breaks = c(0,49,65,Inf),labels = c("< 50","50 - 65","> 65"))  
VAdatamales$prevmi <- factor(VAdatamales$prevmi,levels = c(0,1),labels = c("No","Yes"))  
# Create the table.  
tab1 <- CreateTableOne(vars = c("age","weight","height","prevmi"),data = VAdatamales,strata = "proced",test = FALSE)  
# Print the table.  
print(tab1,nonnormal = c("weight","height"))

## Stratified by proced  
## CABG Valve   
## n 3531 846   
## age (%)   
## < 50 698 (19.8) 178 (21.0)   
## 50 - 65 1507 (42.7) 334 (39.5)   
## > 65 1326 (37.6) 334 (39.5)   
## weight (median [IQR]) 179.00 [162.00, 198.00] 181.00 [159.00, 199.00]  
## height (median [IQR]) 69.00 [67.00, 71.00] 69.00 [67.00, 71.00]   
## prevmi = Yes (%) 760 (21.5) 192 (22.7)

Formatted in Word (the PI can make it prettier if she wants to):

|  |  |  |
| --- | --- | --- |
|  | Procedure | |
|  | CABG | Valve Replacement |
| n | 3531 | 846 |
| Age (%) | | |
| <50 | 698 (19.8) | 178 (21.0) |
| 50 - 65 | 1507 (42.7) | 334 (39.5) |
| >65 | 1326 (37.6) | 334 (39.5) |
| Weight (Median [IQR]) | 179.00 [162.00, 198.00] | 181.00 [159.00, 199.00] |
| Height (Median [IQR]) | 69.00 [67.00, 71.00] | 69.00 [67.00, 71.00] |
| Previous MI (%) | 760 (21.5) | 192 (22.7) |