**2.6**

> library(survey)

>

> #############data package from book######

>

> library(SDaA)

>

FACLT<-matrix(c(rep(0,28),rep(1,4),rep(2,3),rep(3,4),rep(4,4),rep(5,2),rep(6,1),rep(8,2),9,10),nrow=1,byrow=TRUE)

>

> ## E ### mean of x bar

> E<-mean(FACLT)

> E

[1] 1.78

> ## SD ####### Standard diviation of x bar

> SD<-sd(FACLT)

> SD

[1] 2.682445

> ## SE ###### Standard error of x bar

|  |
| --- |
| > SE<-(SD/(50^0.5))\*(1-(50/807))^(0.5)  > SE  [1] 0.3674151 |
|  |
| |  | | --- | | > | |

