

P4.15

1. read in data

use a loop

prompt user "Enter value:"

have user enter 0 when done

stop loop

?

update
n in
the loop
n++

2. print out

count - n

mean \bar{x} or $x\text{-bar}$

std dev. sd or $stddev$

$$x\text{-bar} = \frac{\sum x}{n} \leftarrow \text{sumx}$$

$$sd = \sqrt{\frac{\sum x^2 - \frac{1}{n}(\sum x)^2}{n-1}}$$

n=0
sumx=0
sumxsqrd=0
loop

enter value

read in value, x

update n

update sumx = sumx + x

update sumxsqrd = sumxsqrd + x*x