

Download the salary data for K-State graduates at
[http://seeds.okstate.edu/SeedsPPP/TAN,3/\(Worksheet\)WeightedAverages.xlsx](http://seeds.okstate.edu/SeedsPPP/TAN,3/(Worksheet)WeightedAverages.xlsx)

(1) In the data,

The total number of observations are _____.

The number of males is _____, so they comprise _____% of the sample.

The number of females is _____, so they comprise _____% of the sample.

(2) In the data,

The average salary for everyone is _____.

The average salary for males is _____.

The average salary for females is _____.

(3) Now compute the following *weighted* average:

Weighted Average Salary = (average salary males)(% males) + (average salary females)(% females)

_____ = (_____) (_____) + (_____) (_____)

= \$_____.

(4) This weighted average salary is identical to?

(5) Suppose you know that, contrary to your sample, females are 45% of the labor force for people with these degrees. Using a weighted average and the sample averages for males and females, calculate the average salary for a labor force that is 45% females and 55% males.