



ASSIGNMENT 8
CCS226-18
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2BSCS-1



AN INVESTIGATOR COLLECTED DATA ON HEIGHTS AND WEIGHTS OF COLLEGE STUDENTS. THE CORRELATION BETWEEN HEIGHT AND WEIGHT FOR MEN WAS ABOUT 0.6 AND FOR WOMEN IT WAS ABOUT THE SAME. IF MEN AND WOMEN ARE TAKEN TOGETHER, WILL THE CORRELATION BETWEEN HEIGHT AND WEIGHT BE MORE THAN 0.6, LESS THAN 0.6, OR ABOUT 0.6?

Since the correlation coefficient is 0.6,
we can expect that the correlation
between height and weight will be
more than 0.6
if men and women are taken together.

This is because 0.6 lies between
the range of correlation coefficients
from 0.5 to 1 which is considered to be
highly positive.

