

The Daleway Corporation owns stores throughout the United States that carry its brand of computer. Management would like some information on the purchasing practices of the American public. Specifically, it would like to know if certain factors affect the decision to upgrade a system with the purchase of a new computer. The company surveyed 40 recent customers who were considering upgrading and collected information on the following variables:

PURCHASE: coded as 1 if the customer purchased a computer, 0 if the customer did not

INCOME: the household income of the customer (in thousands of dollars)

AGE: the age of the customer's current computer

Are either of the variables INCOME or AGE of use in predicting whether the customer will purchase a new computer? Justify your answer. Use a 5% level of significance for any hypothesis tests. The file containing these data is named COMPPURCH10 on Canvas.