

Dependent and Independent Variables

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What is a Dependent Variable?

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- ▶ Its value depends on the independent variable.

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- ▶ Its value depends on the independent variable.
- ▶ The y -values are considered the dependent variable because their values depend on the values of x .

What is an Independent Variable?

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- ▶ Its value controls the value of the dependent variable.

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- ▶ Its value controls the value of the dependent variable.
- ▶ The x-values are considered the independent variable because any integer can be assigned to it.

Example 1

Classify the variables as independent or dependent.

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 - ▶ Independent: hours
 - ▶ Dependent: liters

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Write True if the statement is true or False if it is false.

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1. The amount of salary depends on the amount of time spent on work.

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▶ True

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Write True if the statement is true or False if it is false.

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▶ True
2. The distance covered by a car determines the volume of gasoline used.

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Write True if the statement is true or False if it is false.

1. The amount of salary depends on the amount of time spent on work.

▶ True

2. The distance covered by a car determines the volume of gasoline used.

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Write True if the statement is true or False if it is false.

1. The amount of salary depends on the amount of time spent on work.
▶ True
2. The distance covered by a car determines the volume of gasoline used.
▶ False
3. The height of a plant determines the number of months it is grown.

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Write True if the statement is true or False if it is false.

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▶ True

Thank you for watching.