

# Three data types: continuous, coin flips and counts

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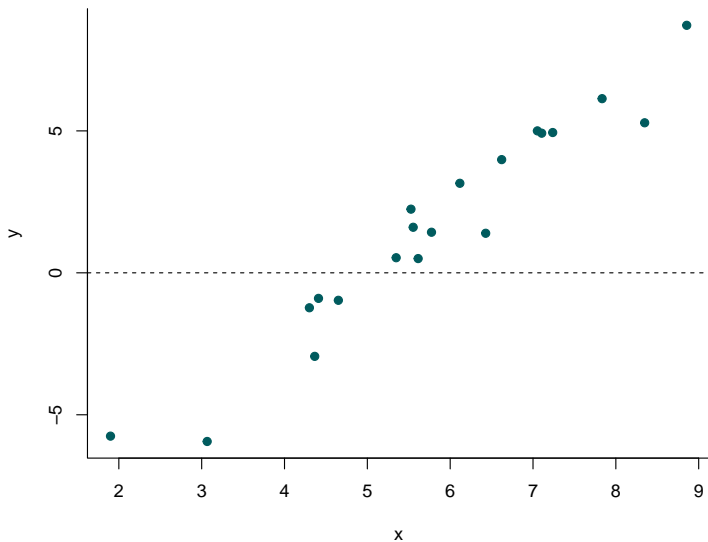
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# Outline

## 1. Data types

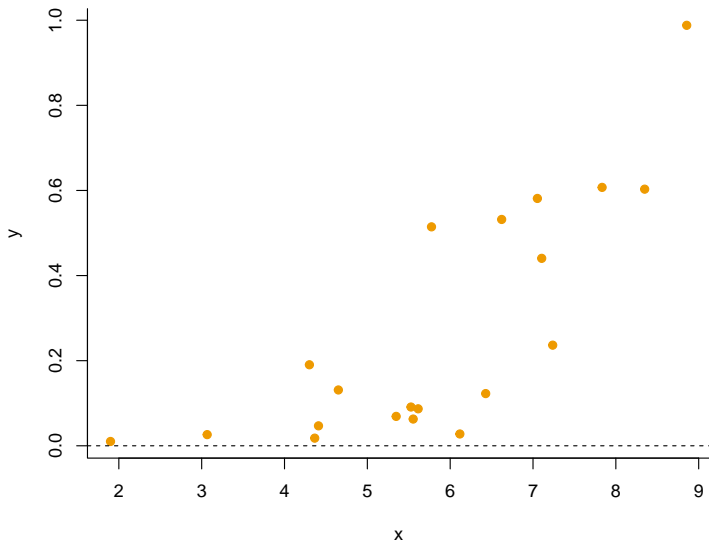
# Describe some features of the response data $y$



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- Response  $y$  is continuous, e.g.,  $y = 1.25$  possible
- Response can be positive or negative (on the real line)
- Apparent positive linear relationship with continuous variable  $x$
- **Example**  $y$  could be a change in water height

# Describe some features of the response data $y$



# Describe some features of the response data $y$

- Response  $y$  is also continuous, e.g.,  $y = 0.25$  possible
- Response can only be positive (on the positive real line)
- Apparent positive non-linear relationship with continuous variable  $x$
- **Example**  $y$  could be mass of individuals
  - Discuss what values mass/weight of a fish could be