Chapter 2

Linear and Non-Linear Relations

2.1 Hypotheses and Sources of Data



What is a hypothesis?....

A hypothesis is:

Practice making hypotheses about the relationship between each pair of variables :

1. The number of texts sent per day and the age of a person?

2. How much a person likes the Penguins and their IQ?

3. The size of an animal and its lifespan?





Sources of Data

Primary Data:

Secondary Data:

Which of the following is a primary source of data:

a) an article in a magazine
b) a database
c) conducting an experiment to test the effectiveness of a new medication
d) an entry from an online encyclopedia

Which of the following is a secondary source of data:

a) conducting a survey amongst your classmates
b) conducting an experiment to study the effects of pollution
c) data collected 100 years ago by the Canadian government
d) counting the makes of cars in a mall parking lot



Baniel phoned 100 families in his town to ask them how many pets they owned:



