




# Parts of a record

| Fields       | Values  | Data type |
|--------------|---|-----------|
| Country Name | South Africa  | text      |
| Area         | 1,221,037 km <sup>2</sup>   | numeric   |
| Population   | 54956900  | numeric   |
| Language     | Afrikaans   | text      |
| Flag         |  | image     |
| Currency     | South African Rand  | text      |

What is a database?

A database is a large collection of data, stored in a logical and structured way. Databases store data or information in tables.

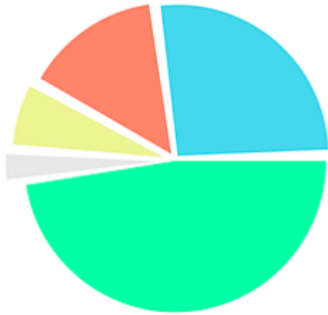
This data can then be analysed for what it might tell us about a certain topic. The findings can be presented in a number of ways.

An advantage of using a computer database is that we can instruct the computer to order the information in a certain way. This is called **ordering**.

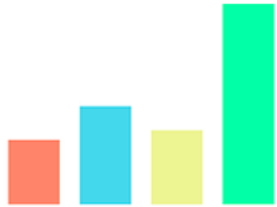
Data can be placed in **alphabetical order** or **numerical order**. We can ask the computer to start with the lowest number and go up, or the highest number and go down.

Ways of presenting data


pie chart



bar chart







line graph





Click on the field name to sort data.

| Mini Beast | Picture   | How many legs | Does it have wings                  | Does it have a shell     |
|------------|---|---------------|-------------------------------------|--------------------------|
| Woodlouse  |  | more          | <input type="checkbox"/>            | <input type="checkbox"/> |
| Spider     |  | 8             | <input type="checkbox"/>            | <input type="checkbox"/> |
| Bumble bee |  | 6             | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Ant        |   | 6             | <input type="checkbox"/>            | <input type="checkbox"/> |

| Vocab        | Definition   |
|--------------|--|
| data         | Information which can be stored on a data base   |
| field        | <b>a set of data values, of the same data type, in a table</b>                                       |
| order        | Using alphabetical or numerical codes to order data  |
| value        | A piece of data within a database (e.g. the woodlouse had more than 8 legs. This is a value.         |
| criteria     | The values you look for when filtering   |
| filter       | Using certain criteria to single out specific values (e.g. filtering to minibeasts with less than 8) |
| presentation | The way findings from a database are presented   |