

How to read graphs

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In an era where information is readily available, graphs have become essential tools for conveying data in a visually appealing and concise manner. Understanding how to read them accurately is crucial for making informed decisions. However, graphs can be misleading if not interpreted correctly or are even made misleading on purpose at times. This infographic shows common cases of misleading graphs, including leaving out data, not labelling data properly or skipping numbers on the vertical axis. Here are some handy tips to help you identify misleading graphs.

HOW TO **READ GRAPHS**



Reading graphs correctly

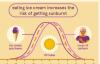
Graphs are great tools for visually showing data. But they can be misleading if data is poorly presented, e.g., data is left out/badly labelled or axes are distorted.

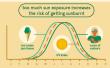
Understanding how to read them can help us better assess data and make informed decisions.



Misleading title
The title suggests two things are related, but no cause-and-effect relationship exists.

⊗ misleading graph





2 Incorrect scale





Misleading labels

The data is not properly labelled, or misleading labels are used.

igotimes misleading graph

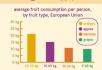


o accurate graph

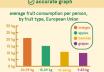


4 Unclear key or legend
Colours and symbols are not used properly.

⊗ misleading graph



accurate graph



Data is left out

⊗ misleading graph



o accurate graph

