When you think about the word "format," a lot of things might come to mind. Think of an advertisement for your favorite store. You might find it in the form of a print ad, a billboard, or even a commercial. The information is presented in the format that works best for you to take it. in. The format of a dataset is a lot like that, and choosing the right format will help you manage and use your data in the best way possible.

Data format examples

As with most things, it is easier for definitions to click when we can pair them with real life examples. Review each definition first and then use the examples to lock in your understanding of each data format.



Primary vs. Secondary

Data Format Classification	Definition	Examples
Primary data	Collected by a researcher from first- hand sources	Data from an interview you conducted Data from a survey returned from 20 participants Data from questionnaires you got back from a group of workers
Secondary data	Gathered by other people or from other research	- Data you bought from a local data analytics firm's customer profiles - Demographic data collected by a university - Census data gathered by the federal government



Internal vs. External

Data Format Classification	Definition	Examples
Internal data	Data that lives inside a company's own systems	- Wages of employees across different business units tracked by HR - Sales data by store location - Product inventory levels across distribution centers
External data	Data that lives outside of a company or organization	National average wages for the various positions throughout your organization Credit reports for customers of an auto dealership



Continuous vs Discrete

Data Format Classification	Definition	Examples
	Data that is measured and can have almost any numeric value	- Height of kids in third grade classes (52.5 inches, 65.7 inches) - Runtime markers in a video - Temperature
Discrete data	Data that is counted and has a limited number of values	- Number of people who visit a hospital on a daily basis (10, 20, 200) - Room's maximum capacity allowed - Tickets sold in the current month



Qualitative vs. Quantitative

Data Format Classification	Definition	Examples
Qualitative	Subjective and explanatory measures of qualities and characteristics	- Exercise activity most enjoyed - Favorite brands of most loyal customers - Fashion preferences of young adults
	Specific and objective measures of numerical facts	- Percentage of board certified doctors who are women - Population of elephants in Africa - Distance from Earth to Mars



Nominal vs. Ordinal

Data Format Classification	Definition	Examples	
Nominal	A type of qualitative data that isn't categorized with a set order	- First time customer, returning customer, regular customer - New job applicant, existing applicant, internal	





Data Format Classification	Definition	Examples
Structured data	Data organized in a certain format, like rows and columns	- Expense reports - Tax returns - Store inventory
Unstructured data	Data that isn't organized in any easily identifiable manner	- Social media posts - Emails - Videos

Als abgeschlossen markierer

