

Question	Spreadsheet	Database
How is data stored?	Stored in cells	Stored in tables
How are each of them used to interact with data?	User interacts with manual input, formulas, functions and filters, can create charts, pivot tables	Interactions done with query languages, can insert, update , delete, and retrieve data with interfaces, supports complex relationships, joins and automated processing
How powerful are they relative to one another ?	Powerful for small analysis and visualization	Powerful with large datasets and multiple users
Pros when sorting:	Easy and visual sorting, can sort small datasets quickly	Extremely fast sorting on large datasets with indexes, can sort multiple fields simultaneously
Cons when sorting:	Sorting large datasets can be slow	Requires knowledge of query language (SQL), not as visually intuitive as spreadsheets
Pros when filtering:	Easy to apply filters and temporary views, works well for simple small databases	Powerful and precise filtering with queries (WHERE, JOIN, GROUP BY)
Cons when filtering:	Filtering is manual, limited support with complex data table	Requires technical knowledge (SQL) , less visually intuitive than spreadsheet