The question picks the chart

Eight questions, eight decisions on `games_clean` Names _____

Charts are your tools. The question is the block in front of you: nobody mines stone with a shovel. Part A is on paper, Superset closed. Part B is in Superset: dataset `games_clean` (database `Dades classe`, schema `public`). Pairs, one PC; swap the keyboard between tasks. Keep this sheet: the decision table is allowed in the test of 25/01.

Reference · the decision table

Read two things in every question. **1. What kind of question is it?** That is the job. **2. Which columns does it touch, and of what type? Category** (text with few values: `owners_tier`), **number** (`price`, `metascore`) or **date** (`release_date`).

Job	The question sounds like	Columns	Tool (Superset name)
Comparison	"Which one has more?" "Who is first?"	1 category + 1 number	Bar Chart
Evolution	"How has it changed over time?"	1 date + 1 number	Line Chart
Distribution	"How are the values spread?" "What is typical?"	1 number	Histogram
Relationship	"When one goes up, does the other?"	2 numbers	Scatter Plot
Composition	"What share of the whole is each part?"	1 category, 5 parts or fewer	Pie Chart
Composition, many parts	"... each part?" with 6 parts or more	1 category, many values	Bar Chart, sorted
Comparison, two ways	"Which combination has more?"	2 categories + 1 number	Heatmap
No job for a chart	"How many in total?" "What exactly is the value of ...?"	1 number, or exact values	Big Number, Table

Part A · Drill: eight questions (12 min)

For each question about `games_clean` write the job, the columns with their type, and the tool. Two of the eight are traps: one looks like a pie and is not, one needs no chart at all. When the tools are on the board, tick your rows.

Q	Question	Job	Columns and type	Tool
1	How has the number of games released per year changed between 2004 and 2018?			
2	Which ten publishers have released the most games?			
3	How are the prices of paid games (up to 60 dollars) spread?			
4	Do games with a better Metascore reach more owners?			
5	What share of the catalogue is Niche, Mid and Hit?			
6	Which combination of price band and owners tier holds the most games?			
7	How is the catalogue split among publishers? Count the parts first, in **SQL → SQL Lab**: `SELECT COUNT(DISTINCT publisher) FROM games_clean;` Parts: _____			
8	How many games are there in the table?			

Part B · Build two of them (24 min)

Task 1 · Q6, price band × owners tier. The chart type is the tool you chose for Q6.

Step	Do this	You should see / write
1	**Charts → + Chart**. Before you choose anything, read the list **Category** on the left: Superset sorts its charts by job too. Then: dataset `games_clean`, the chart type for Q6, **Create new chart**.	Bar Chart is under _____ Scatter Plot is under _____ Heatmap is under _____ Chart type: _____
2	**X-axis**: `price_band`. **Y-Axis**: `owners_tier`. **Metric**: `COUNT(*)`. **Sort X Axis** and **Sort Y Axis**: **Axis ascending**. **Create chart**.	A grid of ____ × ____ = ____ cells. First price band on the left: _____ `Free` should come first. Why does it not? _____
3	**Customize** tab → tick **Show Values**. Read the darkest cell. Then set **Value Format** to `,d` and read it again.	Before `,d`: _____ After `,d`: _____
4	**Save** → chart name `UT3 · Price band by owners tier`.	Darkest cell: _____ Smallest number: ____ in _____

Task 2 · Q4, Metascore against owners. The chart type is the tool you chose for Q4.

Step	Do this	You should see / write
1	New chart on `games_clean`, the chart type for Q4. **X-axis**: `metascore`. **Metrics**: **Simple** tab → column `owners_min`, aggregate `AVG`. **Create chart**.	Chart type: _____ The badge above the chart: ____ rows
2	**Filters** → `metascore` → operator **Is not null** → **Save**. **Update chart**.	The badge now: ____ rows. Did the picture change? ____ Which row left the query? _____
3	Hover the highest dot.	Metascore ____ Average owners _____ Is one dot one game? _____
4	**Save** → chart name `UT3 · Metascore vs average owners`.	Do better-rated games reach more owners? _____

Q1 and Q2 need no new chart. Which of your saved "UT3 · " charts already answer them? _____

Done when Part A has its eight rows · both charts are saved as "UT3 · …" · every blank is filled. **Fast pair?** Write three questions about your own open dataset, each one a different job, and name the tool for each: they are the first three charts of your final project.

Stuck?

- **The heatmap shows one cell or one row**: one of **X-axis** / **Y-Axis** is empty. Both need a category column.
- **The scatter shows one dot**: `metascore` went to **Dimensions** instead of **X-axis**.
- **`games_clean` is not in the dataset list**: **Datasets → + Dataset**, database `Dades classe`, schema `public`, table `games_clean`.
- Still stuck after two tries? Ask your neighbours, then the teacher.

At home Find one chart in today's news (press, a sports app, a streaming recap). Write the question it answers, the job, and whether the tool is the right one according to the table. Bring it on Monday.