Filters

One dashboard, many questions

Names _____

Superset → **Dashboards** → your own `Steam market` (every chart reads `games_clean`). A filter is the "narrow by" panel of the Steam store: one control, every chart reacts. **After each task press Clear all and then Apply filters**: **Clear all** alone empties the controls, but the charts keep the old filter until you apply.

Your KPI row	No filter	`Hit` (Task 1)	2018 (Task 2)	`Free` clicked (Task 5)
Games				
Free share				
Median price				
Hits				

Task 1 · Two value filters (9 min)

Step	Do this	You should see / write
1	Open the **filter bar** on the left (the arrow at the top of the thin strip). Gear icon → **Add or edit filters**.	First fill the "No filter" column above.
2	**Filter name** `Owners tier` · **Filter Type** `Value` · **Dataset** `games_clean` · **Column** `owners_tier`. Then **Add filter**: type `Value`, name `Price band`, column `price_band`. **Save**.	Two controls in the bar.
3	In the bar choose `Owners tier` = `Hit` and press **Apply filters**.	Fill the `Hit` column.
4	The three dots of the Games KPI → **View query**.	The line Superset added: _____

1a The median price moved. Can hiding rows on the screen do that? What did each chart have to do?

Task 2 · A time range filter (7 min)

Step	Do this	You should see / write
1	**Clear all**, **Apply filters**. **Add or edit filters** → **Add filter**: **Filter Type** `Time range`, name `Release date`. **Save**.	A third control that says `No filter`.
2	Click it: **Range type Custom**. Change **Start (inclusive)** to **Specific Date/Time** and type `2018-01-01`; in **End (exclusive)** type `2019-01-01`. **APPLY**, then **Apply filters**.	Fill the 2018 column.

2a Why does the end say `2019-01-01` and not `2018-12-31`?

Task 3 · Scoping (6 min)

Step	Do this	You should see / write
1	Keep 2018 applied and look at your line chart.	It shows _____
2	**Add or edit filters** → select `Release date` → **Scoping**. In the tree of charts (**All panels**), untick the line chart. **Save**.	Back to `No filter`? Set 2018 again.
3	Compare the Games KPI and the line chart.	KPI _____ Line: _____ to _____

3a Which chart did you take out of the date filter, and why should it not obey it?

Task 4 · A dependent filter (7 min)

Step	Do this	You should see / write
1	Add a `Value` filter named `Publisher` on column `publisher`. In its **Filter Configuration** tick **Values are dependent on other filters** and choose `Owners tier`. **Save**.	A fourth control.
2	**Clear all**, **Apply filters**. Open `Publisher` and scroll.	It says _____ options.
3	Choose `Owners tier` = `Hit`. Open `Publisher` again.	Now it says _____ options.
4	Choose `Valve` and **Apply filters**.	Games reads _____

4a Why did the list of `Publisher` get shorter in step 3? Which publishers are left?

_____

Task 5 · Cross-filter: click on a chart (7 min)

Step	Do this	You should see / write
1	**Clear all**, **Apply filters**. Gear icon: check that **Enable cross-filtering** is ticked.	
2	Click the `Free` slice of your price-band **pie**.	A tag under **Cross-filters** in the bar.
3	Fill the last column of the table on page 1. Click the slice again to remove it.	The KPIs are back to “No filter”.

5a You have now used both. Fill in the table.

	Filter in the bar	Cross-filter
Who sets it up, and when?		
Good for which questions?		

5b Look at your 2018 column. 2018 has about a third of all the games. How many of all the hits does it have?

_____ of _____ Were 2018's games worse? Your explanation: _____

_____

Stuck?

- **I chose a value and nothing happened**: press **Apply filters** at the bottom of the bar.
- **The KPIs look stuck on old numbers**: a filter or cross-filter is still on. **Clear all**, then **Apply filters**, and look under **Cross-filters**.
- **“Values are dependent on other filters” is not there**: it only appears when the dashboard has another filter. Create `Owners tier` first.
- **Clicking a bar does nothing**: a Bar Chart with the bands on its X-axis does not react to clicks. Three dots → **Edit chart**, change the chart type to **Pie Chart** with **Dimensions** `price_band`, **Save** → **Save as...** `UT4 · Price band pie`, **Add to dashboard** `Steam market`, **Save & go to dashboard**.
- **The Time range filter changes nothing, or Games is a little off in Task 2**: check the two dates, then tell the teacher.

Done when The four columns of the KPI table are full · every blank has an answer. **Fast?** Add two filters to the project dashboard on your own dataset.

At home Project: add two filters to your own dashboard and write, for each, the question it lets the reader ask.