

Sales revenue ranking

Two synthetic CSV batches transformed into a revenue-ranked product summary, with each currency calculated separately.



EUR / revenue by product



USD / separate product ranking

Rank	Product / SKU	Currency	Revenue
1	Canvas tote / 0007	USD	192.00
2	Pen set / 0008	USD	126.00
3	Desk notebook / 0001	USD	72.00

All 30 transactions are included, including four signed return rows. Ranking follows revenue rather than transaction count or units sold.

Revenue rules and validation

This is a calculation example using declared demonstration rules, not an analysis of a real company's performance.

Explicit revenue definition

Revenue is the supplied amount after discounts in this synthetic dataset. Negative amounts represent returns and are included as signed values. No tax adjustments or exchange-rate conversions are applied.

Data handling

SKU values stay as text, including leading zeroes. Monetary amounts use Decimal arithmetic. Unique Transaction ID keys are required for this example; a repeated key blocks calculation. Products are ranked within each currency.

Verification

Check	Result
Input rows / unique transaction IDs	30 / 30
Product-currency groups	9
Signed return rows	4 included
EUR source sum / summary sum	1,130.30 / 1,130.30
USD source sum / summary sum	390.00 / 390.00
Original files / expected results	Unchanged / PASS

Included files

Two input CSV batches, outputs/sales_summary.csv, config.json, verification.json and a project README.md. The output includes currency, SKU, description, revenue and rank.

Run the single command in the project README to reproduce the result locally. Import SKU columns as text when opening CSV in Excel. For a client project, confirm revenue, return, overlap and currency rules before processing.