

Power BI: assemble, reconcile, adapt

The version 2 project is supplied as editable PBIP source with a semantic model and report definitions. It remains a validation candidate until opened, refreshed and reviewed in Power BI Desktop on Windows.

The supporting toolkit includes 30 DAX measures, Power Query patterns, synthetic sales data, independent controls and a 24-definition KPI workbook. No Power BI license or hosted dataset is included.

Start with `power-bi-project/README.md`. Follow the `Native-Desktop-Validation.md` checklist and record your Desktop version. Do not describe this package as Desktop-validated until every required check passes.

Metric contract

Sales grain is (OrderID, LineID). Customers and Products have unique keys and filter Sales one-to-many in a single direction. Date filters Sales by OrderDate. Completed-order measures exclude cancelled records.

Revenue is $\text{quantity} \times \text{unit price} \times (1 - \text{discount})$. Profit subtracts the matched unit cost $\times$ quantity. Margin is total profit divided by total revenue, not the average of row margins. No refunds, currency conversion or taxes are modeled.

The provided sample spans calendar 2025–2026. All completed revenue is 22,503.60; cost is 11,448.00; profit is 11,055.60; completed orders are 108 and units 540. Match these before reviewing any chart.