

3. Create “Sales” Calculated Field

1. In the Data pane, click the ▼ next to your data source → **Create Calculated Field...**
2. Name: **Sales**
3. Formula:

sql

Copy code

[Quantity] * [UnitPrice]

4. Click **OK**. A new **Sales** measure appears.
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4. Build Worksheets

a. Country-Wise Popular Product

1. New Worksheet → rename to **Popular Product by Country**.
2. Double-click **Country** (Rows), **Description** (Rows), **Sales** (Columns).
3. On **Description** pill ► **Filter...** → **Top** → By Field → Top 1 by **Sum(Sales)** → **OK**.
4. Sort descending by clicking the Sort icon next to **Country**.
5. On Marks → Label → check **Show mark labels**.
6. Double-click title and enter: **Country-Wise Most Popular Product**.

b. Bottom 10 Products by Total Sales

1. New Worksheet → rename to **Bottom 10 Products**.
2. Double-click **Description** (Rows), **Sales** (Columns).
3. **Description** ► **Filter...** → **Top** → Bottom 10 by **Sum(Sales)** → **OK**.
4. Sort ascending (Sort icon next to **Description**).
5. Marks → Label → **Show mark labels**.
6. Title: **Bottom 10 Products by Total Sales**.

c. Top 5 Purchase Orders

1. New Worksheet → rename to **Top 5 Orders**.

2. Double-click **InvoiceNo** (Rows).
3. Double-click **Sales** (Columns).
4. **InvoiceNo** ► **Filter...** → **Top** → Top 5 by **Sum(Sales)** → **OK**.
5. Sort descending (Sort icon next to **InvoiceNo**).
6. Marks → Label → **Show mark labels**.
7. Title: **Top 5 Purchase Orders (by Order Value)**.

d. Most Popular Products Based on Sales

1. New Worksheet → rename to **Top Products by Sales**.
2. Double-click **Description** (Rows), **Sales** (Columns).
3. **Description** ► **Filter...** → **Top** → Top 10 by **Sum(Sales)** → **OK**.
4. Sort descending.
5. Marks → Label → **Show mark labels**.
6. Title: **Top 10 Most Popular Products**.

e. Half-Yearly Sales for 2011

1. New Worksheet → rename to **2011 Half-Year Sales**.
2. Double-click **InvoiceDate**; set pill to **Month / Year** (Discrete).
3. Right-click that pill → **Create** → **Group...**
 - Select Jan–Jun → Group → rename “H1 2011”
 - Select Jul–Dec → Group → rename “H2 2011” → **OK**.
4. Drag **InvoiceDate (group)** to Columns.
5. Double-click **Sales** (Rows).
6. **InvoiceDate** (original) ► **Filter...** → **Years** → check **2011** → **OK**.
7. Marks → Label → **Show mark labels**.
8. Title: **2011 Half-Yearly Sales**.

f. Country-Wise Total Sales Quantity on Map

1. New Worksheet → rename to **Quantity Map by Country**.

2. Double-click **Country**; a map appears.
 3. Drag **Quantity** to **Color** on Marks.
 4. (Optional) Click **Color** legend ► **Edit Colors...** to choose a palette → **OK**.
 5. Title: **Country-Wise Total Sales Quantity**.
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5. Create Dashboard

1. Click **New Dashboard (+)**.
 2. From **Sheets**, drag each worksheet into a 3×2 grid:
 - Row 1: Popular Product by Country, Bottom 10 Products
 - Row 2: Top 5 Orders, Top Products by Sales
 - Row 3: 2011 Half-Year Sales, Quantity Map by Country
 3. Double-click top title area → enter **Retail Dataset Analysis**.
 4. (Optional) Drag shared filters (e.g., Year) onto dashboard → **Apply to Worksheets** → **All Using This Data Source**.
 5. Set dashboard size to **Desktop Browser (1400×900)**.
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6. Publish & Share

1. **File** → **Save to Tableau Public** (or **Server**).
2. Log in, name your workbook, and publish.
3. Copy the shareable link or embed code.