



# Pivot Table

# Pivot Table

The image displays two screenshots of a pivot table interface. The top screenshot shows a summary view for Austria, and the bottom screenshot shows a more detailed view for Austria and Germany. An arrow points from the 'Paper' column in the top table to the 'Paper' column in the bottom table.

| Revenue(Σ)   | Gesamt        |          |        |          |          |
|--------------|---------------|----------|--------|----------|----------|
| Country Town | Product Group | Food     | Paper  | Others   |          |
| Gesamt       |               |          |        |          |          |
| Austria      |               | 9.500,00 | 500,00 | 1.000,00 | 8.000,00 |
| Flachau      |               | 3.500,00 | 500,00 | 1.000,00 | 2.000,00 |
| Ort 0        |               | 1.000,00 |        |          | 1.000,00 |
| Ort 1        |               | 1.100,00 |        |          | 1.100,00 |
| Ort 2        |               | 1.200,00 |        |          | 1.200,00 |
| Ort 3        |               | 1.300,00 |        |          | 1.300,00 |
| Ort 4        |               | 1.400,00 |        |          | 1.400,00 |

  

| Revenue(Σ)   | Gesamt        |          |          |          |          |          |
|--------------|---------------|----------|----------|----------|----------|----------|
| Country Town | Product Group | Food     | Paper    | Others   | 4712     | 4713     |
| Gesamt       |               |          |          |          |          |          |
| Austria      |               | 9.500,00 | 500,00   | 1.000,00 | 8.000,00 | 7.000,00 |
| Flachau      |               | 3.500,00 | 500,00   | 1.000,00 | 2.000,00 | 1.000,00 |
| Ort 0        |               | 1.000,00 |          |          | 1.000,00 | 1.000,00 |
| Ort 1        |               | 1.100,00 |          |          | 1.100,00 | 1.100,00 |
| Ort 2        |               | 1.200,00 |          |          | 1.200,00 | 1.200,00 |
| Ort 3        |               | 1.300,00 |          |          | 1.300,00 | 1.300,00 |
| Ort 4        |               | 1.400,00 |          |          | 1.400,00 | 1.400,00 |
| Germany      |               | 3.000,00 | 3.000,00 |          |          |          |
| Bammental    |               | 1.000,00 | 1.000,00 |          |          |          |
| Unterhaching |               | 2.000,00 | 2.000,00 |          |          |          |

# Configuration by User

The screenshot displays a pivot table configuration interface. At the top, a pivot table shows revenue data for Austria, categorized by Product Group (Food, Paper, Others) and Town (Flachau, Ort 0-4). Below the table is a configuration dialog with the following sections:

- Pivot Attribute:** A list of attributes including Country, Town, Product Group, Product, Revenue, and Customers.
- Pivot Grid Struktur:** A section for defining the grid structure.
- Obere Schlüsselattribute (Upper Key Attributes):** A table with columns for selection, sorting, and filtering.
 

| Attribute     | Selected                            | Sort | Filter |
|---------------|-------------------------------------|------|--------|
| Gesamt        | <input checked="" type="checkbox"/> |      |        |
| Product Group | <input checked="" type="checkbox"/> | ↓    | ⊖      |
| Product       | <input checked="" type="checkbox"/> | ↓    | ⊖      |
- Linke Schlüsselattribute (Left Key Attributes):** A table with columns for selection, sorting, and filtering.
 

| Attribute | Selected                            | Sort | Filter |
|-----------|-------------------------------------|------|--------|
| Gesamt    | <input type="checkbox"/>            |      |        |
| Country   | <input checked="" type="checkbox"/> | ↓    | ⊖      |
| Town      | <input checked="" type="checkbox"/> | ↓    | ⊖      |
- Kennzahlenberechnung (Key Figures Calculation):** A table for defining calculations.
 

| Key Figure | Operator | Filter |
|------------|----------|--------|
| Revenue    | Σ        | ⊖      |

Arrows labeled "drag & drop" indicate the interaction between the Pivot Attribute list and the three configuration tables. At the bottom, there are buttons for "OK & Übernehmen" and "Abbrechen".

# Filter

| Revenue(Σ)   |  | Gesamt        |          |        |          |          |
|--------------|--|---------------|----------|--------|----------|----------|
| Country Town |  | Product Group | Food     | Paper  | Others   |          |
| Gesamt       |  | Product       |          |        |          |          |
| Austria      |  |               | 9.500,00 | 500,00 | 1.000,00 | 8.000,00 |
| Flachau      |  |               | 3.500,00 | 500,00 | 1.000,00 | 2.000,00 |
| Ort 0        |  |               |          |        |          |          |
| Ort 1        |  |               |          |        |          |          |
| Ort 2        |  |               |          |        |          |          |
| Ort 3        |  |               |          |        |          |          |
| Ort 4        |  |               |          |        |          |          |
| Germany      |  |               |          |        |          |          |
| Bammental    |  |               |          |        |          |          |
| Unterhaching |  |               |          |        |          |          |

  

| Schlüsselattribute |  | Attributwerte                       |              |
|--------------------|--|-------------------------------------|--------------|
| Country            |  | <input checked="" type="checkbox"/> | Bammental    |
| Town               |  | <input checked="" type="checkbox"/> | Flachau      |
| Product Group      |  | <input checked="" type="checkbox"/> | Ort 0        |
| Product            |  | <input checked="" type="checkbox"/> | Ort 1        |
|                    |  | <input checked="" type="checkbox"/> | Ort 2        |
|                    |  | <input checked="" type="checkbox"/> | Ort 3        |
|                    |  | <input checked="" type="checkbox"/> | Ort 4        |
|                    |  | <input checked="" type="checkbox"/> | Unterhaching |

Clear ALL Filters      Select all   Deselect all

# Excel Export

The screenshot displays a pivot table in a software interface and its corresponding Excel export. The pivot table is structured as follows:

| Revenue(Σ)     | Gesamt        |          |          |          |          |
|----------------|---------------|----------|----------|----------|----------|
| Country Town   | Product Group | Food     | Paper    | Others   |          |
| <b>Gesamt</b>  |               |          |          |          |          |
| <b>Austria</b> |               | 9.500,00 | 500,00   | 1.000,00 | 8.000,00 |
| Flachau        |               | 3.500,00 | 500,00   | 1.000,00 | 2.000,00 |
| Ort 0          |               | 1.000,00 |          |          | 1.000,00 |
| Ort 1          |               | 1.100,00 |          |          | 1.100,00 |
| Ort 2          |               | 1.200,00 |          |          | 1.200,00 |
| Ort 3          |               | 1.300,00 |          |          | 1.300,00 |
| Ort 4          |               | 1.400,00 |          |          | 1.400,00 |
| <b>Germany</b> |               | 3.000,00 | 3.000,00 |          |          |
| Bamment        |               | 1.000,00 | 1.000,00 |          |          |
| Unterhach      |               | 2.000,00 | 2.000,00 |          |          |

The Excel export shows the following data:

|    | A       | B         | C | D        | E        | F        | G        | H        | I        |
|----|---------|-----------|---|----------|----------|----------|----------|----------|----------|
| 1  |         |           |   | Gesamt   |          |          |          |          |          |
| 2  |         |           |   |          | Food     | Paper    | Others   |          |          |
| 3  |         |           |   |          |          |          |          | 4712     | 4713     |
| 4  | Gesamt  |           |   |          |          |          |          |          |          |
| 5  | Austria |           |   | 9.500,00 | 500,00   | 1.000,00 | 8.000,00 | 1.000,00 | 7.000,00 |
| 6  |         | Flachau   |   | 3.500,00 | 500,00   | 1.000,00 | 2.000,00 | 1.000,00 | 1.000,00 |
| 7  |         | Ort 0     |   | 1.000,00 |          |          | 1.000,00 |          | 1.000,00 |
| 8  |         | Ort 1     |   | 1.100,00 |          |          | 1.100,00 |          | 1.100,00 |
| 9  |         | Ort 2     |   | 1.200,00 |          |          | 1.200,00 |          | 1.200,00 |
| 10 |         | Ort 3     |   | 1.300,00 |          |          | 1.300,00 |          | 1.300,00 |
| 11 |         | Ort 4     |   | 1.400,00 |          |          | 1.400,00 |          | 1.400,00 |
| 12 | Germany |           |   | 3.000,00 | 3.000,00 |          |          |          |          |
| 13 |         | Bamment   |   | 1.000,00 | 1.000,00 |          |          |          |          |
| 14 |         | Unterhach |   | 2.000,00 | 2.000,00 |          |          |          |          |

The context menu is open over the Excel export, showing the following options:

- Pivotsicht exportieren
- Rohdaten exportieren, alle
- Rohdaten exportieren, gefiltert

# Multiple Figures

| Revenue(Σ) Revenue(∅) Customers(Σ) |  | Gesamt        |          |        |        |        |        |          |          |        |          |          |
|------------------------------------|--|---------------|----------|--------|--------|--------|--------|----------|----------|--------|----------|----------|
| Country Town                       |  | Product Group |          |        | Food   |        |        | Paper    |          |        | Others   |          |
|                                    |  | Product       |          |        |        |        |        |          |          |        |          |          |
| Gesamt                             |  | 9.500,00      | 1.056,00 | 900,00 | 500,00 | 500,00 | 100,00 | 1.000,00 | 1.000,00 | 100,00 | 8.000,00 | 1.143,00 |
| Austria                            |  | 3.500,00      | 875,00   | 400,00 | 500,00 | 500,00 | 100,00 | 1.000,00 | 1.000,00 | 100,00 | 2.000,00 | 1.000,00 |
| Flachau                            |  | 1.000,00      | 1.000,00 | 100,00 |        |        |        |          |          |        | 1.000,00 | 1.000,00 |
| Ort 0                              |  | 1.100,00      | 1.100,00 | 100,00 |        |        |        |          |          |        | 1.100,00 | 1.100,00 |
| Ort 1                              |  |               |          |        |        |        |        |          |          |        |          |          |
| Ort 2                              |  |               |          |        |        |        |        |          |          |        |          |          |
| Ort 3                              |  |               |          |        |        |        |        |          |          |        |          |          |
| Ort 4                              |  |               |          |        |        |        |        |          |          |        |          |          |
| Germany                            |  |               |          |        |        |        |        |          |          |        |          |          |
| Bammental                          |  |               |          |        |        |        |        |          |          |        |          |          |
| Unterhaching                       |  |               |          |        |        |        |        |          |          |        |          |          |

  

| Pivot Attribute |  | Pivot Grid Struktur |  |
|-----------------|--|---------------------|--|
| Country         |  |                     |  |
| Town            |  |                     |  |
| Product Group   |  |                     |  |
| Product         |  |                     |  |
| Revenue         |  |                     |  |
| Customers       |  |                     |  |

  

| Obere Schlüsselattribute |                                     |   |   |
|--------------------------|-------------------------------------|---|---|
| Gesamt                   | <input checked="" type="checkbox"/> |   |   |
| Product Group            | <input checked="" type="checkbox"/> | ↓ | ⊖ |
| Product                  | <input checked="" type="checkbox"/> | ↓ | ⊖ |

  

| Linke Schlüsselattribute |                                     |   |   |
|--------------------------|-------------------------------------|---|---|
| Gesamt                   | <input type="checkbox"/>            |   |   |
| Country                  | <input checked="" type="checkbox"/> | ↓ | ⊖ |
| Town                     | <input checked="" type="checkbox"/> | ↓ | ⊖ |

  

| Kennzahlenberechnung |   |   |   |
|----------------------|---|---|---|
| Revenue              | Σ | ▼ | ⊖ |
| Revenue              | ∅ | ▼ | ⊖ |
| Customers            | Σ | ▼ | ⊖ |

# Core Features

- Free arrangement of keys „on the left“ and „on the top“
- Any number of calculated figures
- Diverse calculation variants
  - Sum
  - Average
  - Percentage of parent
  - Count
  - Highest / Lowest



# Integration

- Simple API to pass „flat data items“ into pivot processing
- Simple integration into existing pages
  - „by PageBean“
- XML import/export of pivot-configuration (arrangement of key/figures)
- Events when user selects one/several cells
- Mannnny possibilities to configure look and feel
  - colors, formats, sizes, ...



# Availability

- The Pivot Table processing is available as add-on since end of December 2011.
- Documentation is available within the download area.

