

### Zadanie 1

Pokazać liczbę produktów zamówionych i dostarczonych w zależności od miasta magazynu (wiersze).

```
select
  {[Measures].[Units Ordered],[Measures].[Units Shipped]} on columns,
  {[Warehouse].[Warehouse].[City]} on rows
from "Sales and Warehouse"
```

|               | Units Ordered | Units Shipped |
|---------------|---------------|---------------|
| Vancouver     | (null)        | (null)        |
| Victoria      | (null)        | (null)        |
| Mexico City   | (null)        | (null)        |
| San Andres    | (null)        | (null)        |
| Acapulco      | (null)        | (null)        |
| Guadalajara   | (null)        | (null)        |
| Orcoba        | (null)        | (null)        |
| Maida         | (null)        | (null)        |
| Camacho       | (null)        | (null)        |
| Hidalgo       | (null)        | (null)        |
| Beverly Hills | 11,639        | 10,759        |
| Los Angeles   | 25,463        | 24,587        |
| San Diego     | 26,270        | 23,835        |
| San Francisco | 1,875         | 1,696         |
| Portland      | 9,109         | 8,515         |
| Salem         | 35,797        | 32,393        |
| Bellingham    | 2,454         | 2,340         |
| Bremerton     | 24,610        | 22,734        |
| Seattle       | 25,703        | 24,110        |

### Zadanie 2

Pokazać liczbę sprzedanych sztuk produktów wg rodziny produktów (kolumny) w rozbiciu na miesiące (wiersze).

```
select
  {crossjoin([Measures].[Sales Count],[Product].[Product Family])} on columns,
  {[Time].[Month]} on rows
from Sales
```

|    | Sales Count | Sales Count | Sales Count    |
|----|-------------|-------------|----------------|
|    | Drink       | Food        | Non-Consumable |
| 1  | 624         | 5072        | 1338           |
| 2  | 635         | 4940        | 1269           |
| 3  | 700         | 5527        | 1483           |
| 4  | 633         | 4701        | 1256           |
| 5  | 652         | 4902        | 1312           |
| 6  | 616         | 4991        | 1305           |
| 7  | 709         | 5552        | 1491           |
| 8  | 619         | 5108        | 1311           |
| 9  | 631         | 4789        | 1243           |
| 10 | 605         | 4625        | 1249           |
| 11 | 768         | 5944        | 1520           |
| 12 | 786         | 6294        | 1637           |
| 1  | (null)      | (null)      | (null)         |
| 2  | (null)      | (null)      | (null)         |
| 3  | (null)      | (null)      | (null)         |
| 4  | (null)      | (null)      | (null)         |
| 5  | (null)      | (null)      | (null)         |
| 6  | (null)      | (null)      | (null)         |

### Zadanie 3

Pokazać wielkość zysku (profit) na kolumnie w zależności od przedziału dochodowego oraz stanu cywilnego umieszczonych na wierszach (crossjoin).

```

select
{[Measures].[Profit]} on columns,
{crossjoin([Yearly Income].[All Yearly Income].children,[Marital Status].[Marital Status])} on rows
FROM [Sales and Warehouse]

```

| Messages        |   | Results   |  |
|-----------------|---|-----------|--|
|                 |   | Profit    |  |
| \$10K - \$30K   | M | 36,032.02 |  |
| \$10K - \$30K   | S | 37,697.65 |  |
| \$110K - \$130K | M | 7,923.32  |  |
| \$110K - \$130K | S | 6,922.18  |  |
| \$130K - \$150K | M | 8,640.15  |  |
| \$130K - \$150K | S | 10,016.08 |  |
| \$150K +        | M | 4,206.20  |  |
| \$150K +        | S | 3,013.14  |  |
| \$30K - \$50K   | M | 53,467.99 |  |
| \$30K - \$50K   | S | 57,436.79 |  |
| \$50K - \$70K   | M | 28,068.52 |  |
| \$50K - \$70K   | S | 29,249.19 |  |
| \$70K - \$90K   | M | 21,859.62 |  |
| \$70K - \$90K   | S | 19,919.37 |  |
| \$90K - \$110K  | M | 7,362.83  |  |
| \$90K - \$110K  | S | 7,795.87  |  |