Working With Charts

Three common questions about charts:

- **Is it possible to have a chart that automatically resizes as the date requires or grows?**

- **I only seem to get some of my chart labels displayed. How do I get every label displayed on the category axis?**

- **How do you rotate the labels on the category axis?**

Sample dataset

The dataset for the following chart examples is based on the AdventureWorksDW2014 database and is as follows:
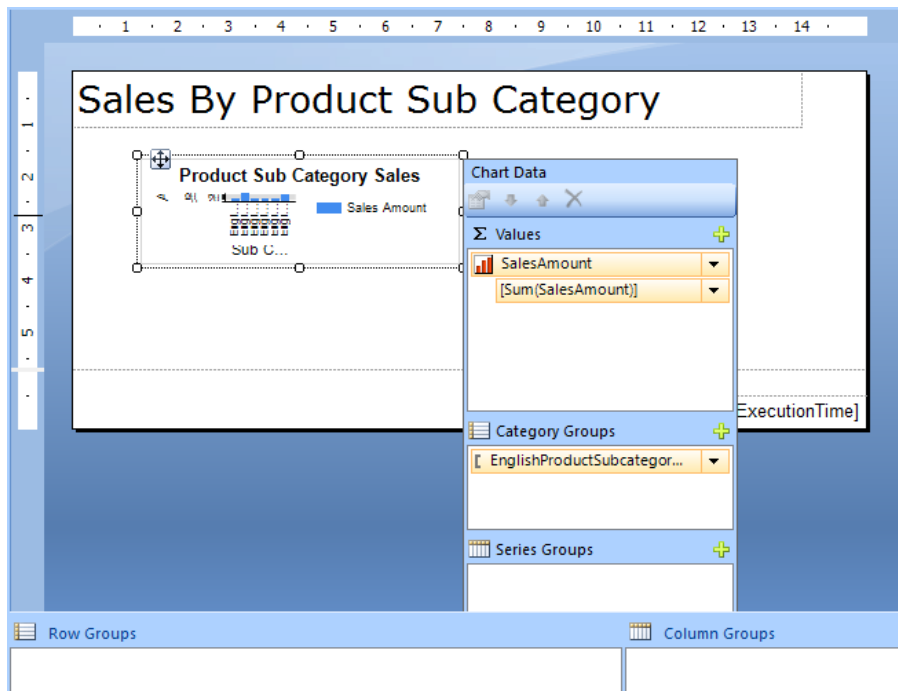
```sql
SELECT
  DimDate.CalendarYear
  ,DimDate.EnglishMonthName
  ,DimProductCategory.EnglishProductCategoryName
  ,DimProductSubcategory.EnglishProductSubcategoryName
  ,DimProduct.EnglishProductName
  ,FactInternetSales.SalesAmount
  ,FactInternetSales.OrderQuantity
FROM
  DimProductSubcategory
  INNER JOIN DimProductCategory
    ON DimProductSubcategory.ProductCategoryKey =
DimProductCategory.ProductCategoryKey
  INNER JOIN DimProduct
    ON DimProductSubcategory.ProductSubcategoryKey = DimProduct.ProductSubcategoryKey
  INNER JOIN FactInternetSales
    ON DimProduct.ProductKey = FactInternetSales.ProductKey
  INNER JOIN DimDate
    ON FactInternetSales.OrderDateKey = DimDate.DateKey
```
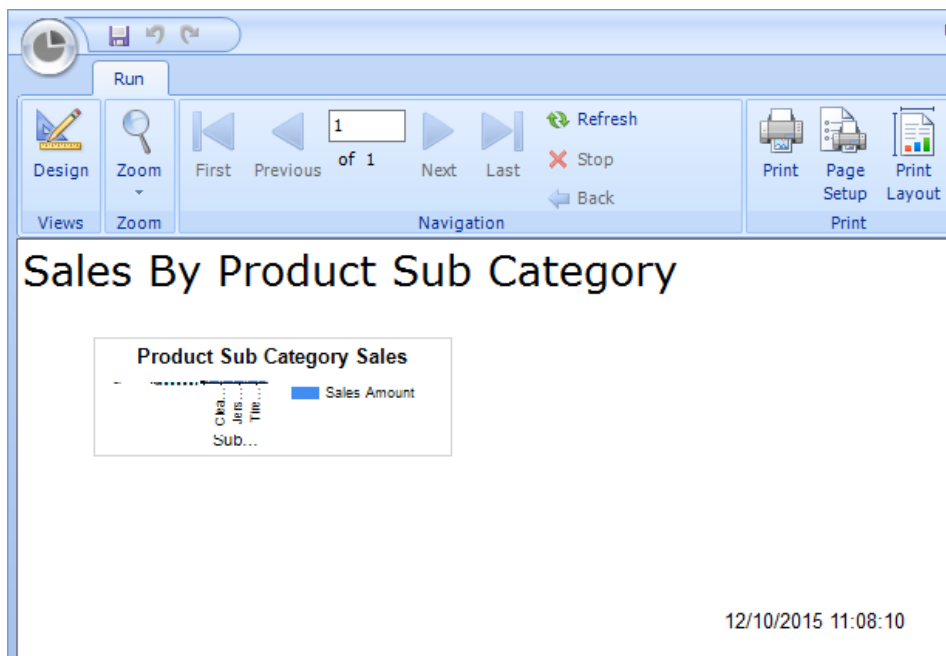
Automatically resize a chart

Create a chart with minimal size and with the Sum of SalesAmount as the value and the EnglishProductSubcategoryName as the category:
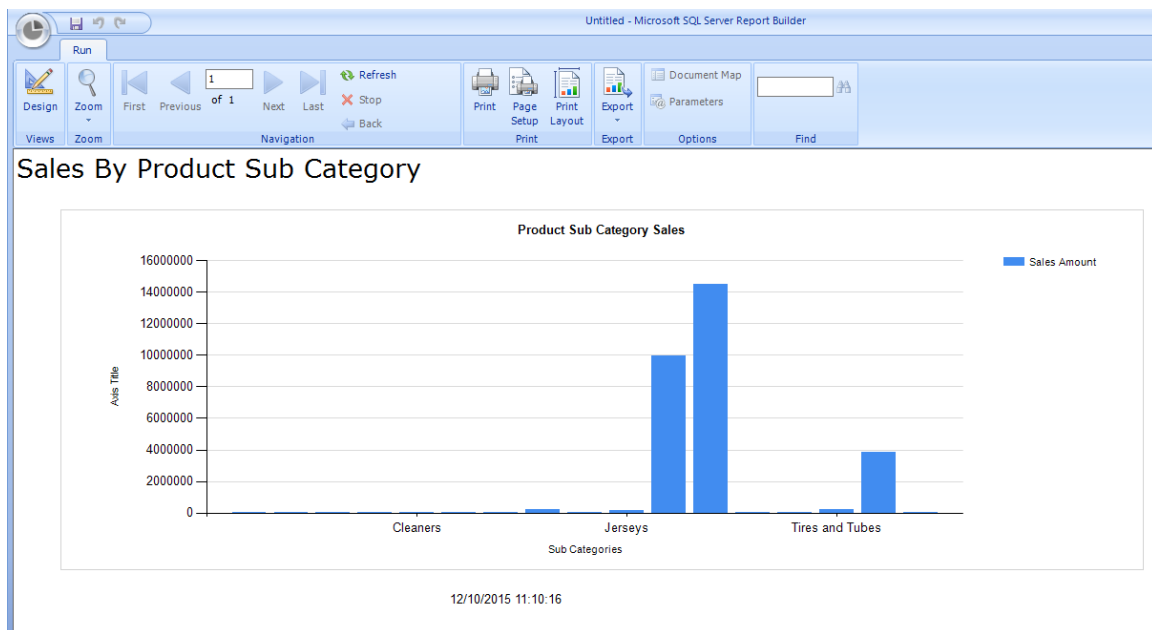

Here is the chart created with a minimal size and default properties:

Now we will change the **DynamicWidth** and **DynamicHeight** properties of the chart:
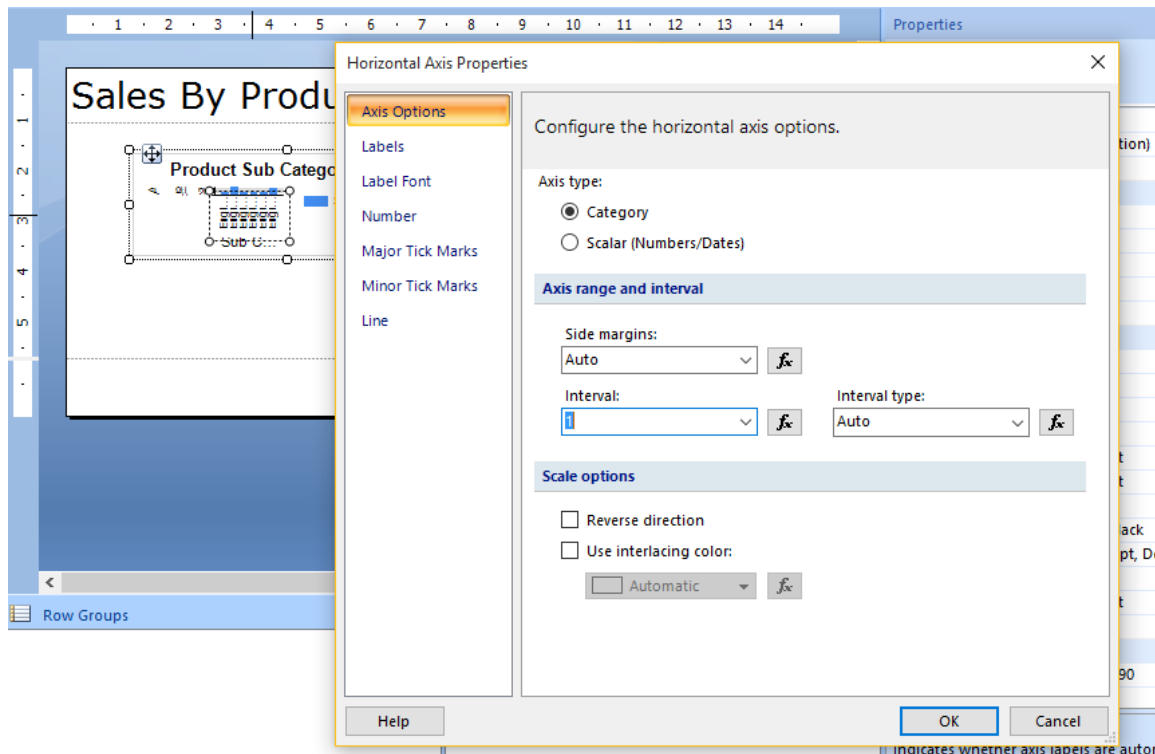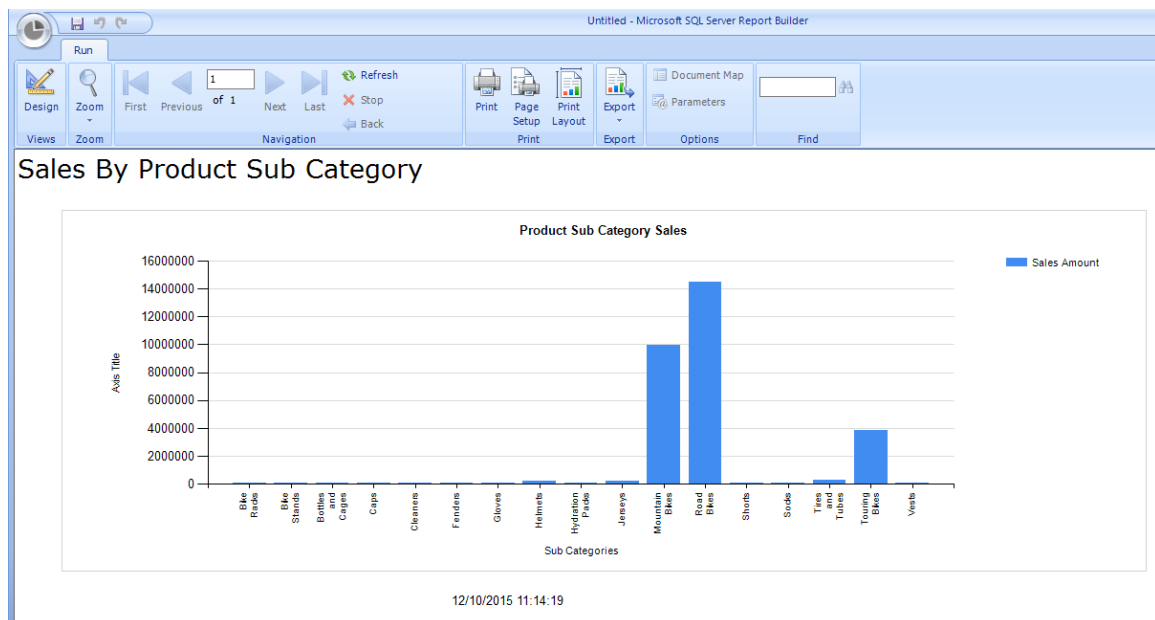

Here is the chart view now:

The chart has now automatically resized to cater for the number of categories across the x-axis and the value range on the y-axis, up to a maximum of 10cm high and 30cm wide.

Include Every Category Label

To ensure that every label on the horizontal (category) axis set the Interval property for the horizontal axis to a value of 1:
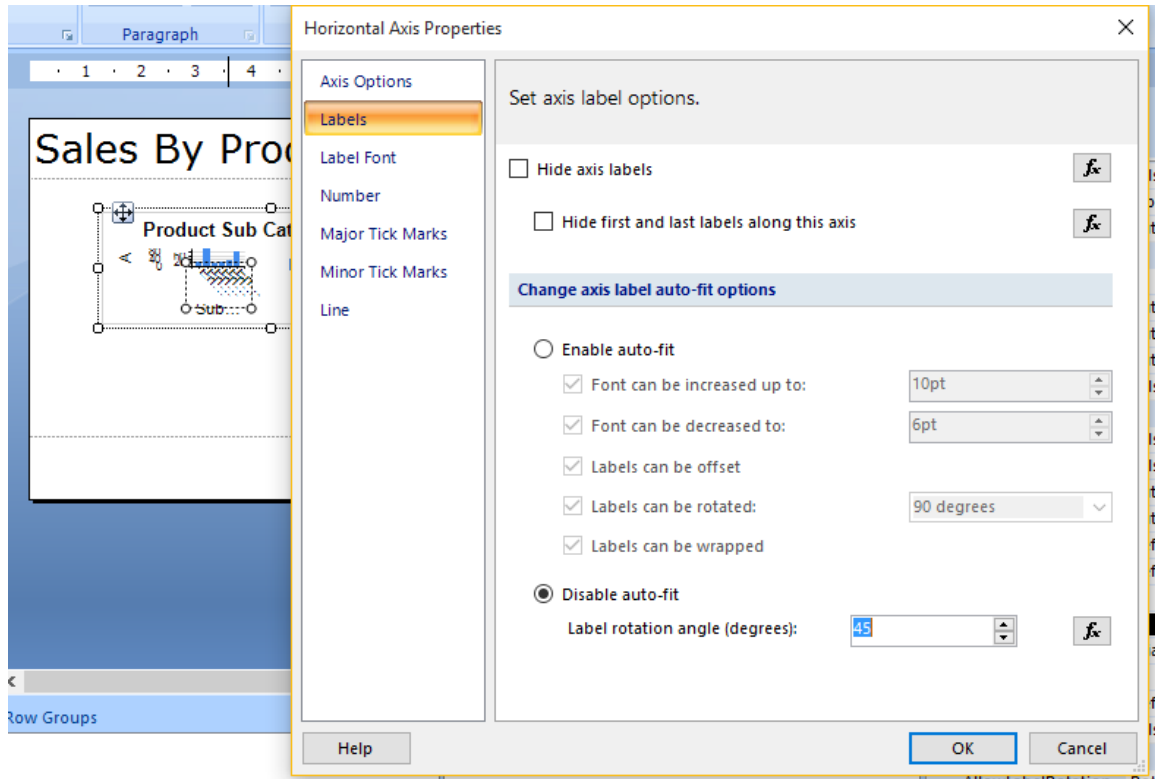

Now the chart looks like this:

Rotate the category labels

To rotate the category labels disable auto-fit for the horizontal axis and set the Label rotation angle (degrees) to a suitable size (45 degrees in this example):

The chart now looks like this: