

Comprehensive Guide for Effective Visualizations

Document Version: 1.0 Product Version: 5.3 and above



Document Information			
Document ID	Smarten-Comprehensive-Guide-for-Effective-Visualizations		
Document Version	Version 1		
Product Version	Version 5.3 and above		
Date	19-April-2024		
Recipient	NA		
Author	EMTPL		

© Copyright Elegant MicroWeb Technologies Pvt. Ltd. 2024. All Rights Reserved.

Statement of Confidentiality, Disclaimer and Copyright

This document contains information that is proprietary and confidential to EMTPL, which shall not be disclosed, transmitted, or duplicated, used in whole or in part for any purpose other than its intended purpose. Any use or disclosure in whole or in part of this information without the express written permission of EMTPL is prohibited.

Any other company and product names mentioned are used for identification purpose only, may be trademarks of their respective owners and are duly acknowledged.

Disclaimer

This document is intended to support administrators, technology managers or developers using and implementing Smarten. The business needs of each organization will vary and this document is expected to provide guidelines and not rules for making any decisions related to Smarten. The overall performance of Smarten depends on many factors, including but not limited to hardware configuration and network throughput.

A **Visualization or Data visualization** is the graphical representation of data, using charts, graphs, maps, plots and other visualizations, to make complex information more understandable. It aids in highlighting patterns, trends, and changes in data, enabling quicker decision-making by business users.

In a usual data analytics scenario, data is categorized into dimensions and measures

A **Dimension** is a structure that categorizes measures in order to enable users to answer business questions. Commonly used dimensions are people, products, place and time. On a higher level in the context of designing a visualization, Dimensions can be divided into following categories.

- **Descriptive Dimensions:** The dimensions which describe the metric. For example, Name, color, size, designation, role, etc.
- **Time-Based Dimensions:** Dimensions that are dates, timestamps or parts of dates or timestamps. For example, Year, Quarter, Order Date, Date of Birth, Week of the year, hour, minute, etc.
- **Regional Dimensions:** Dimensions that allow you to plot your data on a geographical map or a location axis. For example, latitude/longitude, state, city, country, area, etc.

A **Measure** or a Metric or a Key Performance Indicator (KPI) is a property on which calculations can be made. On a higher level in context of designing a visualization, Measures can be divided into following categories

- **Comparative Measures:** The measures that are supposed to be compared in order to understand the trend and progress of the metric against a dimension.
- Non-comparative data: The measures that can co-exist or can be presented separately having no correlation with each other and still can be on the same visualization against a dimension.

These two categories can be further divided into the same scale and different scale measures. So, the visualizations can have a single metric or a combination of two or more comparative/non-comparative same-scale/different-scale metrics.

- Same scale measures: When two or more measures used in a visualization are in the same unit scale. For example, every value is in millions for sales as well as cost. Or every quantity is in dozens for manufactured units and supplied units.
- **Different scale measures:** When two or more measures used in a visualization are of different scale or unit. For example, the quantity sold in dozens along with sales amount in millions.

So in conclusion, depending on the type of dimension in combination with the type of measure that we need to represent in a visualization, matters a lot while choosing the type of graph and it changes the entire representation of data when we choose a visualization that is best suited for the type of insight we wish to deliver through it.

The following are a few examples:

- A descriptive data with comparative measures is best represented in a bar chart
- A time-based data with non-comparative measures are usually depicted using line charts
- Regional data with comparative measures are visualized through maps.

Every visualization has its own pros and cons for conveying information effectively based on the purpose and data to represent.

The following section provides examples of different dimension-measure combinations with their best suited graph type/view based on the example or requirement, along with its clear advantages and disadvantages.

Contents		
Schema Combination	Example / Preferred Visualization	Page Number
1 Dimension 1 Measure	Category Wise Sales / Pie	6
1 Dimension 1 Measure	Category Wise Sales / Vertical Bar	7
1 Dimension 1 Measure	Category Wise Sales / Horizontal Bar	8
1 Dimension 1 Measure	Monthly Sales / Line	9
1 Dimension 1 Measure	Daily Profit / Area	10
1 Dimension 1 Measure	Regional Sales / GeoMap	11
2 Dimension 1 Measure	Product Wise Employee Wise Sales / Bubble	12
2 Dimension 1 Measure	Product Wise Regional Sales / GeoMap	13
2 Dimension 1 Measure	Product Wise Yearly Sales / Chord	14
2 Dimension 1 Measure	Yearly Departmental Revenue Contribution / Sunburst	15
2 Dimension 1 Measure	Category and Sub Category Wise Sales Distribution / HT	16
2 Dimension 1 Measure	Product Wise Yearly Sales / Stacked Vertical Bar Graph	17
2 Dimension 1 Measure	Product Wise Yearly Sales / Percentage Vertical Bar	18
2 Dimension 1 Measure	Product Wise Yearly Sales / Stacked Horizontal	19
2 Dimension 1 Measure	Product Wise Yearly Sales / Percentage Horizontal	20
2 Dimension 1 Measure	Year Wise Product Sales / Line	21
2 Dimension 1 Measure	Year Wise Product Sales / Percentage Line	22
2 Dimension 1 Measure	Year Wise Product Sales / Stacked Area	23

2 Dimension 1 Measure	Year Wise Product Sales / Percentage Area Graph	24
2 Dimension 1 Measure	Year Wise Regional Sales / Radar	25
1 Dimension 2 Measure	Product wise Sales vs Target / Bar	26
1 Dimension 2 Measure	Monthly Sales vs Target / Line	27
1 Dimension 2 Measure	Region wise Sales vs Target / Bar	28
1 Dimension 2 Measure	Region wise Sales vs Target / line	29
1 Dimension 2 Measure	Product wise Quantity & Sales / Combined	30
1 Dimension 2 Measure	Monthly Quantity & Sales / Combined	31
1 Dimension 2 Measure	Region wise Quantity & Sales / Combined	32
1 Dimension 2 Measure	Product wise In-stock Quantity & Dispatch Quantity / Bar	33
1 Dimension 2 Measure	Monthly In-stock Quantity & Dispatch Quantity / Line	34
1 Dimension 2 Measure	Region wise In-stock Quantity & Dispatch Quantity / GeoMap	35
2 Dimension 2 Measure	Customer wise Product Wise Sales & Quantity / Combined	36
2 Dimension 2 Measure	Product wise Monthly Sales & Quantity / Distributed Bar Graph	37
2 Dimension 2 Measure	State wise Product wise Sales & Quantity / Combined	38
2 Dimension 2 Measure	Year wise Monthly Sales & Quantity / Combined	39
2 Dimension 2 Measure	State wise Yearly Sales & Quantity / Combined	40
2 Dimension 2 Measure	State wise City wise Sales & Quantity / Geomap	41
1 dimension 3 measure	Product Wise Sales Amount, Target, Profit / Bar	42
0 dimension 1 measure	Sales / Histogram	43
0 dimension 2 measure	Sales & Quantity / XY scatter	44

Following are some recommended visualizations with explanations and examples for various cases.

 Schema Combination: 1 Dimension 1 Measure Types of Dimension(s): Descriptive Dimension Types of Measure(s): Any Measure Example: Category Wise Sales Preferred Chart Type: Pie



Pros:

• Best visualization for a single dimension against a single measure. Beneficial to show contribution in % as well.

- In the case of many category values, the pie may look cluttered and won't give a clear picture.
- Also, in case of uneven distribution of values, the visualization might hide the smaller values from the view.

 Schema Combination: 1 Dimension 1 Measure Types of Dimension(s): Descriptive Dimension Types of Measure(s): Any Measure Example: Category Wise Sales Preferred Chart Type: Vertical Bar



Pros:

- Simple and easy to understand representation.
- Allows pagination and so easy navigation.

- May need more space in case of many category axis values.
- Data values may result in cluttered display in case of many bars.

Schema Combination: 1 Dimension 1 Measure
 Types of Dimension(s): Descriptive Dimension
 Types of Measure(s): Any Measure
 Example: Category Wise Sales
 Preferred Chart Type: Horizontal Bar



Pros:

- Simple and easy to understand representation.
- Allows pagination and so easy navigation.

- May need more space in case of many category axis values.
- Data values may result in cluttered displays in case of many bars.

 4) Schema Combination: 1 Dimension 1 Measure Types of Dimension(s): Time Series Dimension Types of Measure(s): Any Measure Example: Monthly Sales Preferred Chart Type: Line



Pros:

• Effective for showing the trend and growth of a variable across timelines or in case of showing a trend across a sequence of dimension values.

- Maybe misleading if the axis values are not interlinked or if the values don't follow a particular sequence.
- May need more space in case of many category axis values.
- Data values may result in cluttered display in case of many bars.

5) Schema Combination: 1 Dimension 1 Measure
 Types of Dimension(s): Time Series Dimension
 Types of Measure(s): Any Measure
 Example: Daily Profit
 Preferred Chart Type: Area



Pros:

• Effective for showing the trend as well as the impact and growth of a variable across timelines or in case of showing a trend or impact across a sequence of dimension values.

- Maybe misleading if the axis values are not interlinked or if the values don't follow a particular sequence.
- May need more space in case of many category axis values.
- Data values may result in cluttered display in case of many bars.

6) Schema Combination: 1 Dimension 1 Measure
 Types of Dimension(s): Geographic Dimension
 Types of Measure(s): Any Measure
 Example: Regional Sales
 Preferred Chart Type: GeoMap



Pros:

- Best option when the dimension is a geo column.
- Allows to show data on a map along with spot lighters highlighting the affected and impacted areas as per the values.

- Only plausible in case of geographic columns.
- May look cluttered if the geo coordinates are too many or are too closely plotted on the map.

7) Schema Combination: 2 Dimension 1 Measure
 Types of Dimension(s): Descriptive Dimensions
 Types of Measure(s): Any Measure
 Example: Product Wise Employee Wise Sales
 Preferred Chart Type: Bubble



Pros:

• Shows sub-category distribution of values with color and size bifurcation within a category.

Cons:

• Can be highly cluttered in case of many dimension values.

8) Schema Combination: 2 Dimension 1 Measure
 Types of Dimension(s): Descriptive & Geographic Dimensions
 Types of Measure(s): Any Measure
 Example: Product Wise Regional Sales
 Preferred Chart Type: Geo Map



Pros:

- Best option when the dimension is a geo column.
- Allows to show data on a map along with spot lighters highlighting the affected and impacted areas as per the values.
- Wraps values of multiple sub-categories in a table to be displayed on a single marker.

- Only plausible in case of geographic columns.
- May look clutter if the geo coordinates are too many or are too closely plotted on the map.

Schema Combination: 2 Dimension 1 Measure
 Types of Dimension(s): Descriptive & Time Series Dimensions
 Types of Measure(s): Any Measure
 Example: Product Wise Yearly Sales
 Preferred Chart Type: Chord



Pros:

• Depicts the strength of the values between two dimensions with the size of the arc.

- Not a feasible option for many dimension values.
- Makes sense only when all the values of one dimension are related to all the values of other dimension.

10) Schema Combination: 2 Dimension 1 Measure
 Types of Dimension(s): Descriptive & Time Series Dimensions
 Types of Measure(s): Any Measure
 Example: Yearly Departmental Revenue Contribution
 Preferred Chart Type: Sunburst



Pros:

• Beneficial in showing the distribution within a category. The size depicts the contribution.

Cons:

• Easily looks cluttered in case of many dimension values doesn't make sense in case of improper distribution of category values.

11) Schema Combination: 2 Dimension 1 Measure

Types of Dimension(s): Descriptive Dimensions

Types of Measure(s): Any Measure

Example: Category Wise and Sub Category Wise Sales Distribution

Preferred Chart Type: Hierarchy Tree



Pros:

• Best option to show pictorial representation of percentage distribution of sub-category values within a range of category values.

Cons:

• Hard to depict smaller values between the larger values.

12) Schema Combination: 2 Dimension 1 Measure
 Types of Dimension(s): Descriptive & Time Series Dimensions
 Types of Measure(s): Any Measure
 Example: Product Wise Yearly Sales
 Preferred Chart Type: Stacked Vertical Bar Graph



Pros:

- Simple and easy to understand representation of x-axis values along with contribution of each zaxis value.
- Allows pagination and so is easy to navigate.

- May need more space in case of many category axis values.
- Data values result in cluttered display.
- Negligible Values may seem to be hidden.

13) Schema Combination: 2 Dimension 1 Measure
Types of Dimension(s): Descriptive & Time Series Dimensions
Types of Measure(s): Any Measure
Example: Product Wise Yearly Sales
Preferred Chart Type: Percentage Vertical Bar Graph



Pros:

- Simple and easy to understand representation of x-axis values along with contribution of each z-axis value in %.
- Allows pagination and so is easy to navigate.

- May need more space in case of many category axis values.
- Data values result in cluttered display.
- Negligible Values may seem to be hidden.

14) Schema Combination: 2 Dimension 1 Measure
Types of Dimension(s): Descriptive & Time Series Dimensions
Types of Measure(s): Any Measure
Example: Product Wise Yearly Sales
Preferred Chart Type: Stacked Horizontal Bar Graph



Pros:

- Simple and easy to understand representation of x-axis values along with contribution of each zaxis value.
- Allows pagination and so is easy to navigate.

- May need more space in case of many category axis values.
- Data values result in cluttered display.
- Negligible Values may seem to be hidden.

15) Schema Combination: 2 Dimension 1 Measure
Types of Dimension(s): Descriptive & Time Series Dimensions
Types of Measure(s): Any Measure
Example: Product Wise Yearly Sales
Preferred Chart Type: Percentage Horizontal Bar Graph



Pros:

- Simple and easy to understand representation of x-axis values along with contribution of each z-axis value in %.
- Allows pagination and so is easy to navigate.

- May need more space in case of many category-axis values.
- Data values result in cluttered display.
- Negligible Values may seem to be hidden.

16) Schema Combination: 2 Dimension 1 Measure
Types of Dimension(s): Time Series & Descriptive Dimension
Types of Measure(s): Any Measure
Example: Year Wise Product Sales
Preferred Chart Type: Line Graph



Pros:

• Effective for showing the trend and growth of a variable across timelines or in case of showing a trend across a sequence of dimension values compared to other z-axis values.

- Maybe misleading if the axis values are not interlinked or if the values don't follow a particular sequence.
- May need more space in case of many category axis values.
- Data values may result in cluttered display in case of many bars.

17) Schema Combination: 2 Dimension 1 Measure
Types of Dimension(s): Time Series & Descriptive Dimensions
Types of Measure(s): Any Measure
Example: Year Wise Product Sales
Preferred Chart Type: Percentage Line Graph



Pros:

• Effective for showing the trend and growth in form of % contribution of a variable across timelines or in case of showing a trend across a sequence of dimension values compared to other z-axis values.

- Maybe misleading if the axis values are not interlinked or if the values don't follow a particular sequence.
- May need more space in case of many category axis values.
- Data values may result in cluttered display in case of many bars.

18) Schema Combination: 2 Dimension 1 Measure
Types of Dimension(s): Time Series & Descriptive Dimension
Types of Measure(s): Any Measure
Example: Year Wise Product Sales
Preferred Chart Type: Stacked Area Graph



Pros:

• Effective for showing the trend and growth of a variable across timelines or in case of showing a trend across a sequence of dimension values compared to other z-axis values.

- Can be misleading if the axis values are not interlinked or if the values don't follow a particular sequence.
- May need more in case of many category axis values.
- Data values may result in cluttered display in case of many bars.

19) Schema Combination: 2 Dimension 1 Measure
Types of Dimension(s): Time Series & Descriptive Dimensions
Types of Measure(s): Any Measure
Example: Year Wise Product Sales
Preferred Chart Type: Percentage Area Graph



Pros:

• Effective for showing the trend and growth in form of % contribution of a variable across timelines or in case of showing a trend across a sequence of dimension values compared to other z-axis values.

- Can be misleading if the axis values are not interlinked or if the values don't follow a particular sequence.
- May need more space in case of many category axis values.
- Data values may result in cluttered display in case of many bars.

20) Schema Combination: 2 Dimension 1 Measure
 Types of Dimension(s): Time Series & Geographic Dimensions
 Types of Measure(s): Any Measure
 Example: Year Wise Regional Sales
 Preferred Chart Type: Radar



Pros:

• Allows to plot variables with disparate, non-matching scales. Shows 2D plot of distribution and allows to show where the impact is higher.

Cons:

• May be misleading to some who don't share the same definition of the plots for the visual understanding of values. The plot may vary based on understanding of each scenario.

21) Schema Combination: 1 Dimension 2 Measure
 Types of Dimension(s): Any Dimension
 Types of Measure(s): Comparative Measures
 Example: Product wise Sales vs Target
 Preferred Chart Type: Bar Graph



Pros:

- Simple and easy to understand representation.
- Allows pagination and so easy navigation.

- May need more space in case of many category axis values.
- Data values may result in cluttered display in case of many bars.

22) Schema Combination: 1 Dimension 2 Measure
 Types of Dimension(s): Any Dimension
 Types of Measure(s): Comparative Measures
 Example: Monthly Sales vs Target
 Preferred Chart Type: Line Graph



Pros:

• Effective for showing the trend and growth of a variable across timelines or in case of showing a trend across a sequence of dimension values.

- Can be misleading if the axis values are not interlinked or if the values don't follow a particular sequence.
- May need more space in case of many category axis values.
- Data values may result in cluttered display in case of many bars.

23) Schema Combination: 1 Dimension 2 Measure
Types of Dimension(s): Any Dimension
Types of Measure(s): Comparative Measures
Example: Region wise Sales vs Target
Preferred Chart Type: Bar Graph



Pros:

- Simple and easy to understand representation.
- Allows pagination and so easy navigation.

- May need more space in case of many category axis values.
- Data values may result in cluttered display in case of many bars.

24) Schema Combination: 1 Dimension 2 Measure
Types of Dimension(s): Any Dimension
Types of Measure(s): Comparative Measures
Example: Region wise Sales vs Target
Preferred Chart Type: Line Graph



Pros:

• Effective for showing the trend and growth of a variable across timelines or in case of showing a trend across a sequence of dimension values.

- Can be misleading if the axis values are not interlinked or if the values don't follow a particular sequence.
- May need more space in case of many category axis values.
- Data values may result in cluttered display in case of many bars.

25) Schema Combination: 1 Dimension 2 Measure
Types of Dimension(s): Any Dimension
Types of Measure(s): Different Scale Measures
Example: Product wise Quantity & Sales
Preferred Chart Type: Combined Chart



Pros:

- It is best used to show relationships and pattern between the measures.
- It allows to show outliers.

- It cannot be used for 2 or more dimensions.
- It becomes difficult to choose a suitable scale when values of matrix differ by greater magnitude.

26) Schema Combination: 1 Dimension 2 Measure
Types of Dimension(s): Any Dimension
Types of Measure(s): Different Scale Measures
Example: Monthly Quantity & Sales
Preferred Chart Type: Combined



Pros:

- It is best used to show relationships and pattern between the measures.
- It allows to show outliers.

- It cannot be used for 2 or more dimensions.
- It becomes difficult to choose a suitable scale when values of matrix differ by greater magnitude.

27) Schema Combination: 1 Dimension 2 Measure
Types of Dimension(s): Any Dimension
Types of Measure(s): Different Scale Measures
Example: Region wise Quantity & Sales
Preferred Chart Type: Geomap



Pros:

- Best option when the dimension is a geo column.
- Allows to show data on a map along with spot lighters highlighting the affected and impacted areas as per the values.
- Wraps values of multiple sub-categories in a table to be displayed on a single marker.

- Only plausible in case of geographic columns.
- May look cluttered if the geo coordinates are too many or are too closely plotted on the map.

28) Schema Combination: 1 Dimension 2 Measure
Types of Dimension(s): Any Dimension
Types of Measure(s): Non-Comparative & Same Scale Measures
Example: Product wise In-stock Quantity & Dispatch Quantity
Preferred Chart Type: Bar Graph



Pros:

- Simple and easy to understand representation.
- Allows pagination and so easy navigation.

- May need more space in case of many category axis values.
- Data values may result in cluttered display in case of many bars.

29) Schema Combination: 1 Dimension 2 Measure
Types of Dimension(s): Any Dimension
Types of Measure(s): Non-Comparative & Same Scale Measures
Example: Monthly In-stock Quantity & Dispatch Quantity
Preferred Chart Type: Line Graph



Pros:

• Effective for showing the trend and growth of a variable across timelines or in case of showing a trend across a sequence of dimension values.

- Can be misleading if the axis values are not interlinked or if the values don't follow a particular sequence.
- May need more space in case of many category axis values.
- Data values may result in cluttered display in case of many bars.

30) Schema Combination: 1 Dimension 2 Measure
Types of Dimension(s): Any Dimension
Types of Measure(s): Non-Comparative & Same Scale Measures
Example: Region wise In-stock Quantity & Dispatch Quantity
Preferred Chart Type: Geomap



Pros:

- Best option when the dimension is a geo column.
- Allows to show data on a map along with spot lighters highlighting the affected and impacted areas as per the values.
- Wraps values of multiple sub-categories in a table to be displayed on a single marker.

- Only plausible in case of geographic columns.
- May look clutter if the geo coordinates are too many or are too closely plotted on the map.

31) Schema Combination: 2 Dimension 2 Measure
Types of Dimension(s): Any Dimensions
Types of Measure(s): Comparative Measures
Example: Customer wise Product Wise Sales & Quantity
Preferred Chart Type: Combined (Change Graph type)



Pros:

• Best option to show pictorial representation of percentage distribution of sub-category values within a range of category values.

Cons:

• Hard to depict smaller values between the larger values.

32) Schema Combination: 2 Dimension 2 Measure
Types of Dimension(s): Descriptive & Time Series Dimensions
Types of Measure(s): Different Scale Measures
Example: Product wise Monthly Sales & Quantity
Preferred Chart Type: Distributed Bar Graph



Pros:

- Simple and easy to understand representation.
- Allows pagination and so easy navigation.

- May need more space in case of many category axis values.
- Data values may result in cluttered display in case of many bars.

33) Schema Combination: 2 Dimension 2 Measure
Types of Dimension(s): Descriptive & Geographic Dimensions
Types of Measure(s): Different Scale Measures
Example: State wise Product Wise Sales & Quantity
Preferred Chart Type: Combined Bar Graph (With Pagination)



Pros:

- Simple and easy to understand representation.
- Allows pagination and so easy navigation.

- May need more space in case of many category axis values.
- Data values may result in cluttered display in case of many bars.

34) Schema Combination: 2 Dimension 2 Measure
Types of Dimension(s): Time Series Dimensions
Types of Measure(s): Different Scale Measures
Example: Year wise Monthly Sales & Quantity
Preferred Chart Type: Distributed Combined Line Graphs



Pros:

- Simple and easy to understand representation.
- Allows pagination and so easy navigation.

- May need more space in case of many category axis values.
- Data values may result in cluttered display in case of many bars.

35) Schema Combination: 2 Dimension 2 Measure
Types of Dimension(s): Geographic & Time Series Dimensions
Types of Measure(s): Different Scale Measures
Example: State wise Yearly Sales & Quantity
Preferred Chart Type: Combined



Pros:

• Effective for showing the trend and growth of a variable across timelines or in case of showing a trend across a sequence of dimension values compared to other z-axis values.

- Can be misleading if the axis values are not interlinked or if the values don't follow a particular sequence.
- May need more space in case of many category axis values.
- Data values may result in cluttered display in case of many bars.

36) Schema Combination: 2 Dimension 2 Measure
Types of Dimension(s): Geographic Dimensions
Types of Measure(s): Different Scale Measures
Example: State wise City Wise Sales & Quantity
Preferred Chart Type: Geomap



Pros:

- Best option when the dimension is a geo column.
- Allows to show data on a map along with spot lighters highlighting the affected and impacted areas as per the values.
- Wraps values of multiple sub-categories in a table to be displayed on a single marker.

- Only plausible in case of geographic columns.
- May look cluttered if the geo coordinates are too many or are too closely plotted on the map.

37) Schema Combination: 1 dimension 3 measure
Types of Dimension(s): Any Dimension
Types of Measure(s): Comparative Measures
Example: Product Wise Sales Amount, Target, Profit
Preferred Chart Type: Bar Graph



Pros:

- Simple and easy to understand representation.
- Allows pagination and so easy navigation.

- May need more space in case of many category axis values.
- Data values may result in cluttered display in case of many bars.

38) Schema Combination: 0-dimension 1 measure

Types of Dimension(s): NA

Types of Measure(s): Any Measure

Example: Sales

Preferred Chart Type: Histogram



Pros:

- Huge amount of data can be represented very easily without the need of having a dimension
- Skewness of the data can be understood.
- Histograms are consistent in appearance as their intervals are evenly spaced.

- It cannot be used to represent discrete frequency distributions.
- While the mode can be calculated using a histogram, the mean and the median cannot be calculated using a histogram.

39) Schema Combination: 0-dimension 2 measure

Types of Dimension(s): NA

Types of Measure(s): Comparative Measures

Example: Sales & Quantity

Preferred Chart Type: XY Scatter



Pros:

- It helps in seeing correlation between two metrics.
- It can be easily understood and interpreted.

- It does not show the relationship for more than two measures.
- It doesn't show the quantitative relationship between the two measures.

Product and Support Information

Find more information about Smarten and its features at <u>www.smarten.com</u> Support: <u>support@smarten.com</u> Sales: <u>sales@smarten.com</u> Feedback & Suggestions: <u>support@smarten.com</u> Support & Knowledgebase Portal: <u>support.smarten.com</u>