

# Box & Whisker

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## Overview

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A chart which gives a quick overview of series of values and their statistical properties.

## Chart Data Options

| Option          | Description                                         |
|-----------------|-----------------------------------------------------|
| Horizontal Axis | Select at least one metric to analyse in the chart. |
| Vertical Axis   | Select a label to split your series up by.          |

## Box & Whisker Tutorial

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### Summary

In order to set up a Box & Whisker Chart you will need:

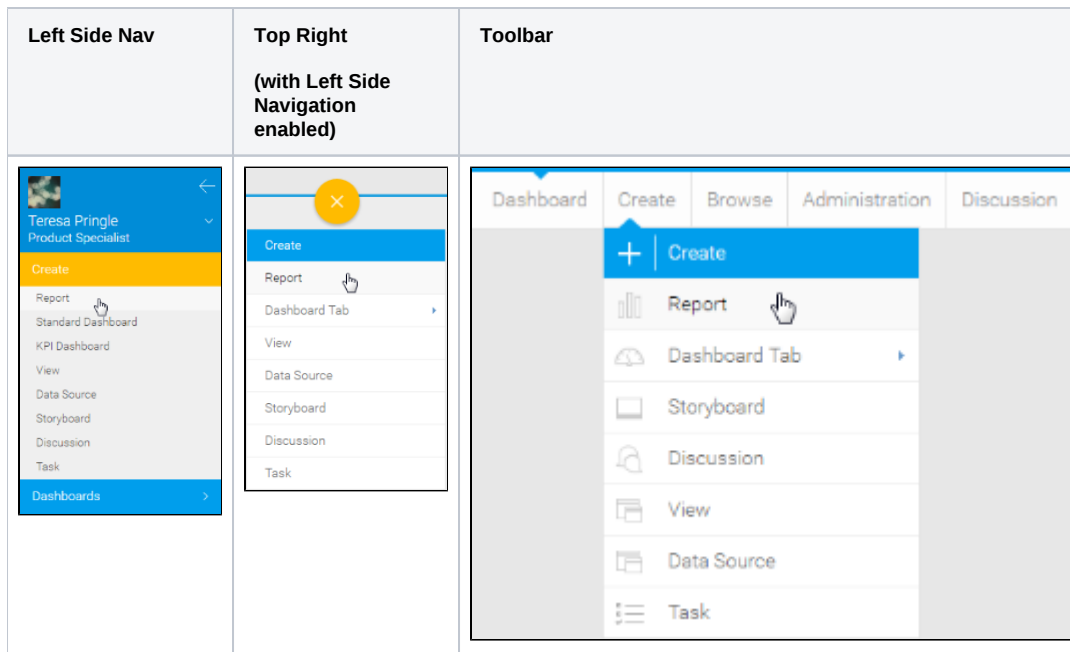
1. Create a report with chart display
  - a. Select a field to use as the **Vertical Axis**
  - b. Select a field to use as the **Horizontal Axis**
  - c. Enable the display of **duplicate records**
2. Create your chart, selecting **Box & Whisker** as the type under the **Analytical** heading
3. Provide the **Horizontal** and **Vertical** axis options
4. Customise the Chart as required
5. Proceed to the **Output** step
6. **Save** your report

### Tutorial

1. Start the **Report** creation process by using one of these methods:

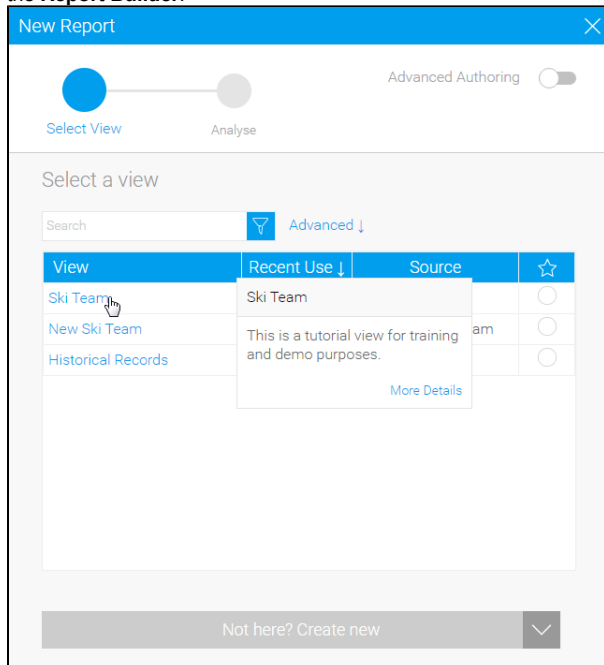
- **Left Side Nav** - open the left side navigation panel, click on Create, select the Report option
- **Top Right Button** - click on the create button, select the Report option.
- **Toolbar** - click on the Create link in the toolbar, select the Report option.

You will now see the **New Report** lightbox.



2. Click on the **Ski Team** view in order to use the fields defined within it for creating the report.

3. You will now be taken to the **Data** step of the **Report Builder**.



4. Add **Year** and **Profit Margin** to **Columns**.

5. Add **Booking Status** to **Filters**.

6. Remove the aggregation applied to the **Profit Margin** field.

| Year | Sum Profit Margin |
|------|-------------------|
| 2009 | \$23              |
| 2010 | \$42              |
| 2011 | \$1,64            |
| 2012 | \$2,76            |
| 2013 | \$5,22            |
| 2014 | \$4,51            |
| 2015 | \$2,93            |
| 2016 | \$8               |

| Sum Profit Margin |                   |
|-------------------|-------------------|
| Σ Aggregation     | None              |
| Sort              | Σ Sum             |
| Format            | % Average         |
| Advanced Function | — Min             |
| Totals            | + Max             |
| Hide Field        | # Count           |
| Delete            | #! Count Distinct |

7. Enable the **Show Duplicate Records** option.

Report Data

Data Source: Ski Team  
View: Ski Team

Active Row Limit: 10000

Show Duplicate Records: ☒

Auto Refresh: ☒ On

Preview Row Limit:

8. Open the filter **Settings** menu.

Filters

☒ Booking Status

[Settings](#)

9. Set **Booking Status** to be **Equal to Active**.

☒ Booking Status

Equal to

Active

10. Proceed to the **Charts** step of the builder.

Report

Data

Charts

Output

11. Select the **Box & Whisker** chart from the **Analytical** section of the charts panel on the right of the screen.

Analytical







12. Set the following components:

- **Horizontal Axis:** Profit Margin
- **Vertical Axis:** Year

Box and Whisker

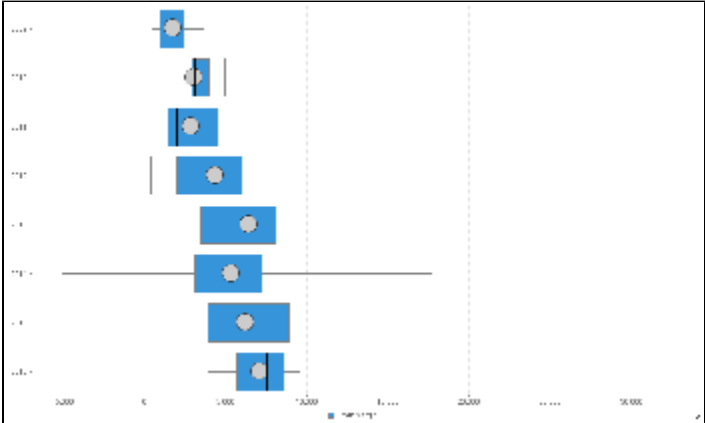
Horizontal Axis

Profit Margin

Vertical Axis

Year

13. Save your report



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