

Performing Assisted Discovery

Overview

This guide teaches how to perform Assisted Discovery through Yellowfin's Report Builder.



Ensure that the user using this functionality has the correct security access function to do so. Click [here](#) to learn more about this.

Procedure

1. Create a new report using the Report Builder in the normal way. Drag in the values that you want included in the report.



The Assisted Insights feature only works with standards reports; it doesn't support cross-tab reports and sub query reports. When building a report for Assisted Insights, only add values to the columns section.

2. Click on the Smart Analysis button.



3. An Insight Wizard will appear. Use it to make selections so that it generates the most appropriate insights.

Insight Wizard

I want to

Explain Metric

--Select Metric--

Advanced settings ↓

Continue

4. Select the type of analysis that you want to do. For example understanding the drivers for a single metric, or comparing metrics or dimensions to understand differences. Depending on the option selected, additional information needs to be provided.
5. Here's an overview of these options:
- **Explain Metric:** Choose this option to allow Yellowfin to better explain a single metric. Yellowfin will identify related data that most influences the chosen metric. The specific metric of interest needs to be selected from the next drop down. For example, you may want to understand Actual Revenue (metric).

I want to	<div>Explain Metric</div>	<div>--Select Metric--</div>
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- **Compare Metrics:** This option compares the values and drivers of two chosen metrics. For example, you may want to compare Actual Revenue (metric) to Planned Revenue (metric).

I want to	<div>Compare Metrics</div>	<div>--Select Metric--</div>	to
		<div>--Select Metric--</div>	

- **Compare Dates:** Use this option to compare a single metric across two time periods. You will need to select the specific date field that represents the time period, the metric you want to compare, and the two time periods that you want to compare. For example, you may want to compare Actual Revenue (metric) for Sales Date (date field) from this year to last year (time periods).

I want to	<div>Compare Dates</div>	<div>--Select Date Field--</div>	by
	Compare	<div>--Select First Period--</div>	
		<div>--Select Second Period--</div>	to
		<div>--Select Metric--</div>	

- **Compare Dimensions:** Use this option to compare a metric across two dimensions. You will need to select the dimension that you want to compare, the metric that you are comparing, and then the specific values of the dimension. For example, you may want to compare Invoiced Amount (metric) between Regions (dimension) Asia and Europe (dimension values).

I want to	<div>Compare Dimensions</div>	<div>Agency Region</div>	
	Compare	<div>--Select--</div>	to
		<div>--Select--</div>	by
		<div>--Select Metric--</div>	

6. You can expand the Advanced Settings option to apply a few additional preferences to your automated chart creation.

Higher values are

Good

Fields to Analyse

Metrics cannot be included in a compare analysis. If you wish to include them please group your metrics into bins.

☒

Agency Type

☒

Invoiced Date

☒

Date of Birth

- Let the wizard know whether higher data values are good or bad for the result you have in mind. For example, higher values of Sales are good.
- You can also select and deselect specific fields to be included in the analysis to narrow down the data you wish Yellowfin to perform the background analysis on. For example, remove any fields that are not likely to be relevant, such as Date of Birth. Removing fields can also make your analysis run faster.
 - Click on the de-select all button to remove all the fields from selection.

☐

Agency Type

☐

Invoiced Date

☐

Date of Birth

- Or click on the select all button to choose them all.
7. Click on the Continue button after providing the details.
 8. A new Auto Analysis panel will appear in the report builder, displaying the results of the analysis process. These insight results will be generated based on the options that you selected in the previous step; and will be displayed in order of statistical relevance.



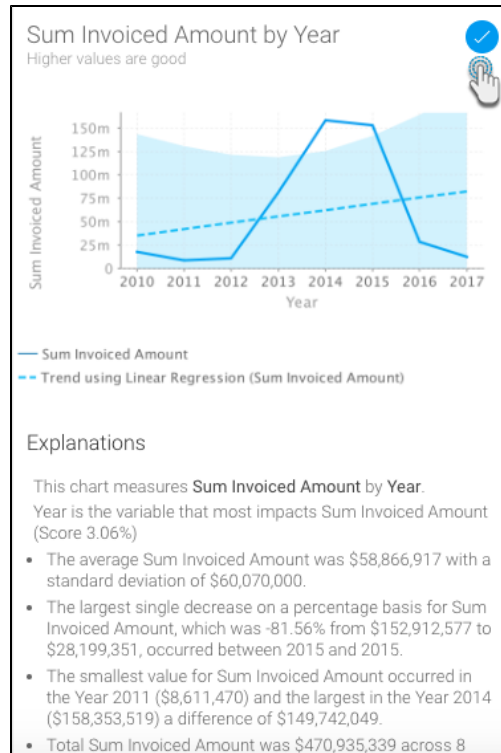
The chart type selected by Yellowfin depends on the type of data. For example, if the values are both metrics, then a scatter plot graph will be generated.

[blocked URL](#)

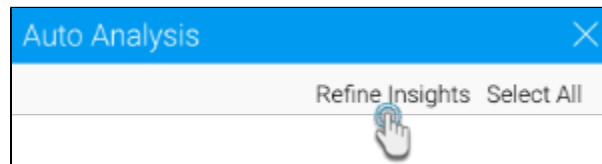
9. A narrative explanation is also provided with each of the charts, allowing you to better interpret the results of the analysis.
10. You can also click on a chart to see an enlarged version of it in a popup.

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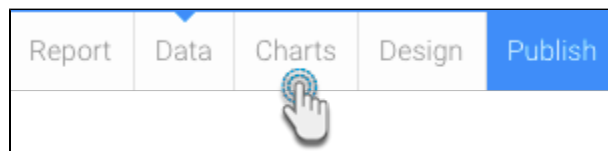
11. To select a chart to add it to the Chart Builder, click on its selection icon. You can include multiple charts in your report this way. Or select all of them by using the Select All option.



12. You can also go back to the Insights Wizard to choose a different type of analysis option by clicking on the Refine Insights button.



13. Once you have selected the charts you want to keep, proceed to the Chart Builder by clicking on the Charts button in the toolbar.



14. Your chosen charts will already be there.

15. You can still view the unselected automated charts by clicking on the insights icon on the right side of the screen.



16. These charts can now be used to build and publish reports in the normal way. You have now rapidly created relevant report content with a fraction of the effort it would normally take to analyze data and build reports.



If you perform these assisted discovery steps again, the charts from the previous analysis will be removed from the Auto Analysis panel; however the ones you had selected will remain on the Chart builder page.

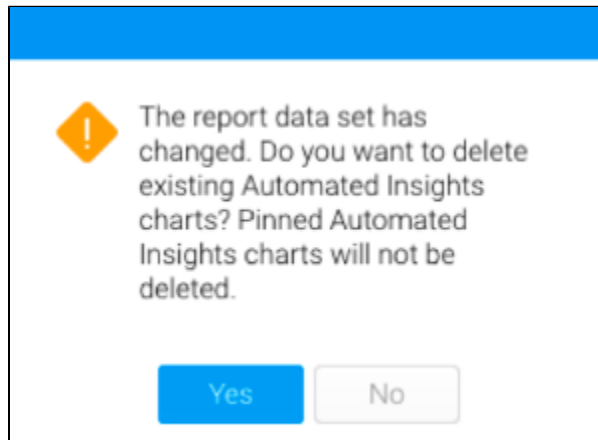


On performing Assisted Insights, a report is generated by Yellowfin in the background and saved in the configuration database, which is the basis for the auto insights charts and narratives. If the insights get discarded by the user, these reports will be unused. The system will carry out a check for these orphan reports every 48 hours, and delete the unused ones.

Changing Data Set

You can change the data set of your report, even after auto insights have been created.

- Navigate to the Data section of the Report Builder.
- Add or remove fields from the report. On doing so, a popup alert will appear.



- Click *Yes* to delete the current auto generated insights (except for the selected charts, which will still appear in the Chart builder, even with the Auto Analysis panel gone). This allows you to start your Assisted Discovery from scratch.
- But if you click *No*, your insights (including the Insights panel) will be maintained, even though the data set will have changed.

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