



## Custom Visual

### Objectives:

---

This chapter will teach you,

- Custom visual and understanding the use of custom
- Loading custom visual, Pinning visual
- Loading to template for future use
- Publishing Power BI

### What is Power BI Custom Visual?

---

Power BI Custom Visualization is the process of collecting raw data and translating it into pictorial and graphical representations such as videos, images, diagrams, graphs, and others that explain the information and allow you to get insights from it.

Microsoft Power BI offers a good set of in-built visuals such as line chart, bar chart, funnel chart, KPI, map, pie chart, donut chart, etc. You can access and use these pre-packaged visuals from the Visualization pane in Power BI Desktop. These pre-packaged visuals might prove to be enough in most cases and fulfil your requirements in creating a report in Power BI. However, there will be times when you'll have a hard time finding the right fit to graphically represent your data. In this case, Addend Analytics can help you select from rich library of custom visuals, import to Power BI Desktop, and use as per your industry requirement.

## Custom visuals

Developers can develop custom visuals for use in Power BI solutions

To help developers get started, Microsoft has published the code for all their visualizations

- This is all available as an open-source project on GitHub
  - The project contains over 20 visualization types, the framework to run them, and the testing infrastructure that enables you to build high quality visualizations
  - The framework provides all the interfaces required to integrate fully with Power BI's selection, filtering, and other UI experiences
- Developers are encouraged to submit their custom visuals to the Power BI Visuals Gallery for sharing with the Power BI community

### Steps Download Custom Visuals in Power BI Desktop

**Step 1:** Open the Power BI Desktop

**Step 2:** Click the three dots (...) in the Visualization pane and click "Get more visuals," as shown in Figure 8

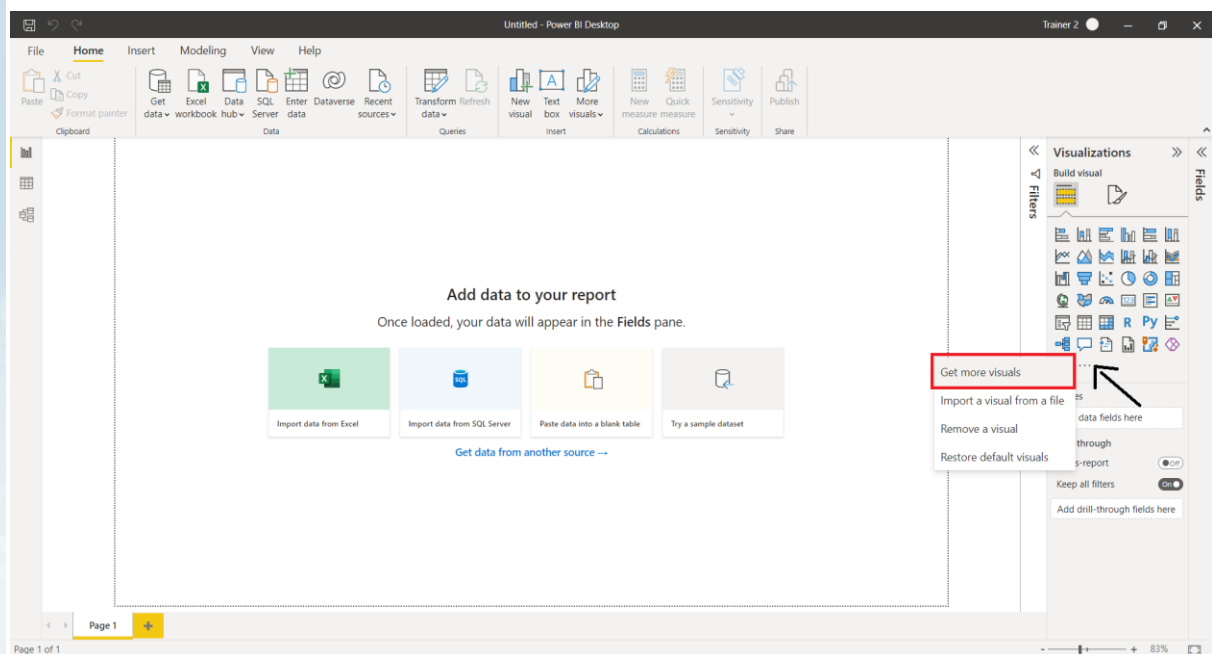


Figure 8: Step 2

**Step 3:** You can search the visuals in the search bar and click the visual that you want, as shown in Figure 9

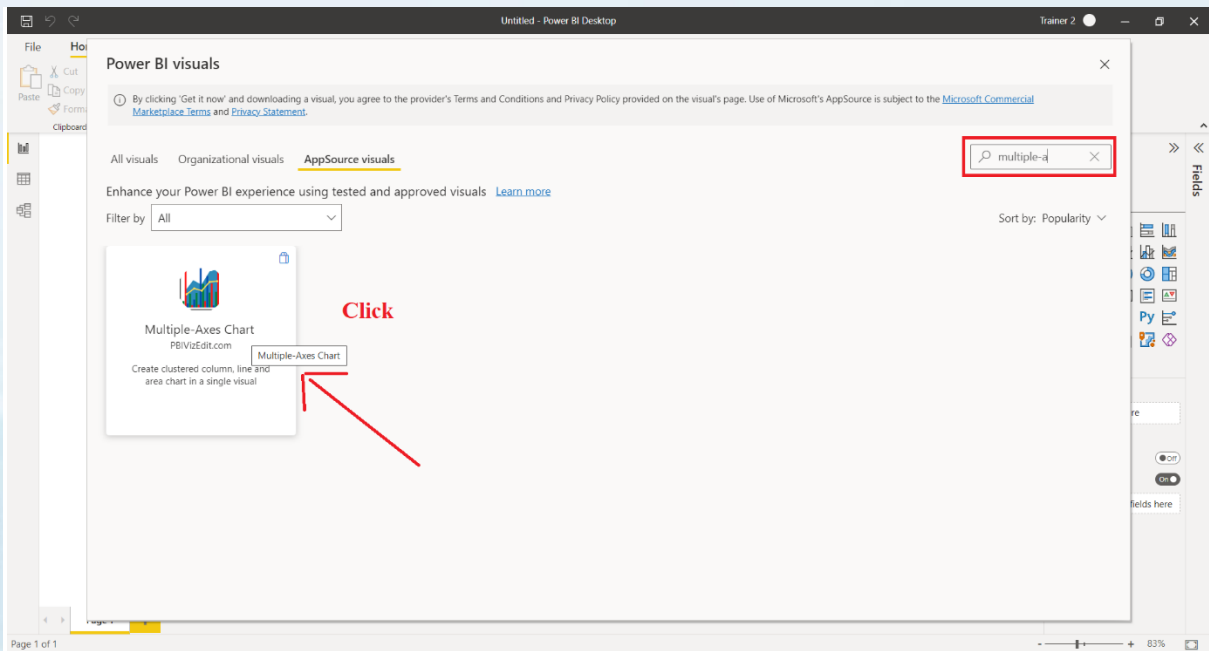


Figure 9: Step 3

**Step 4:** Click add as shown in Figure 10. You can read the complete information about the visual if you want to know more about it.

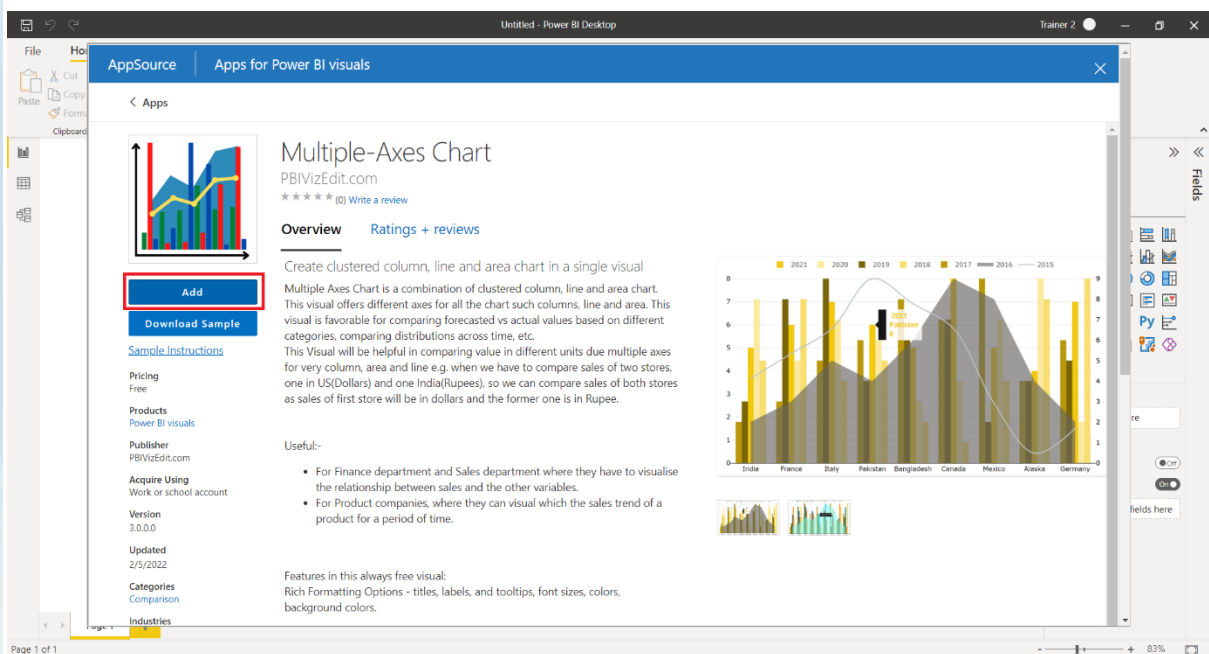


Figure 10: Step 4

**Step 5:** You will get the message as shown in Figure 11. You can find the imported visual in the Power BI visualization pane.

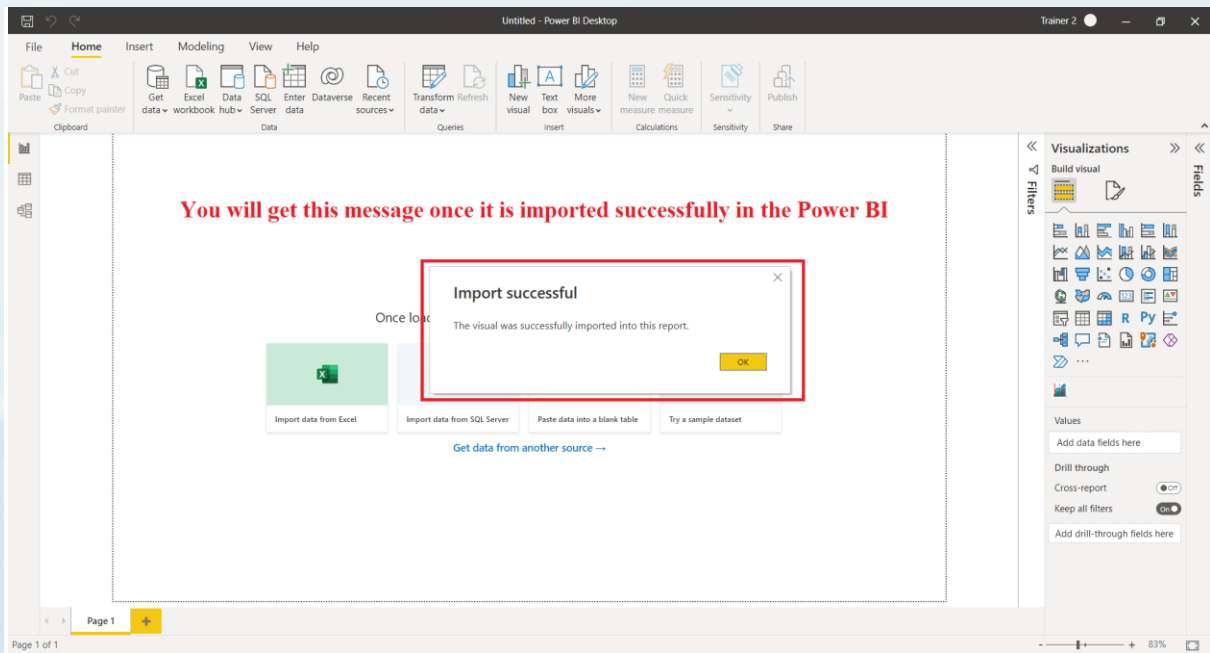


Figure 11: Success message

## Top 5 Custom Visuals in Power BI

### Advance Card

The advanced card in Power BI gives you access to various added structures like starting and final labels, conditional formatting, tooltips, and many others that are not included in the default report.

A few of the attributes of Advance Card Visual are:

1. Conditions-based formatting
2. Prefixes and postfixes are supported
3. There are plentiful formation options for content, like centering, left-aligning, or right-aligning.
4. Assistance with tooltips
5. Background images are supported
6. An attack or border manipulation.

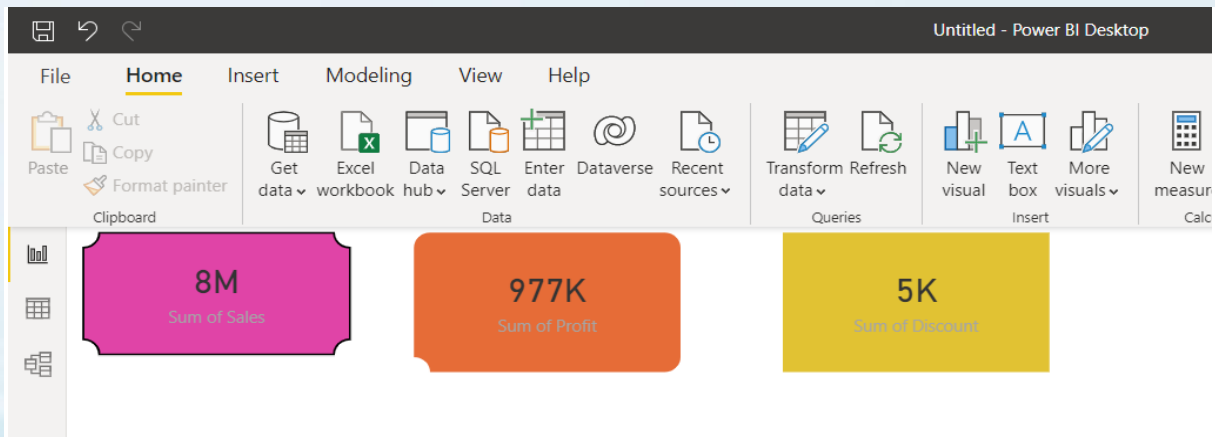


Figure 12: Advanced Card in the Power BI

### Use case:

Data can be tracked and displayed in a concise format using cards as a visualization tool. Any measurable aspect of your company's financial health, such as sales volume, share price, or bottom line, may be the focus of this statement. Exhibiting a single numerical value or the measured value of a number is a common use case. We can also utilize this data to build a report editor or FAQ.

### Animated Bar Graph

These charts are predominantly popular on social media because they suggest a comprehensive data story or insight in a clear and understandable graphic. The animated bar chart race allows you to visualize the change in trends over time. There are two ways to utilize this: stand-alone mode with Autoplay for animation or ranking bar chart visual that can be placed on reports with other filters to loop through the options. Additionally, the chart provides settings for colour, displaying, and wallowing more than a few overt labels and indicators. Please refer to the sample report for usage examples and recommendations.

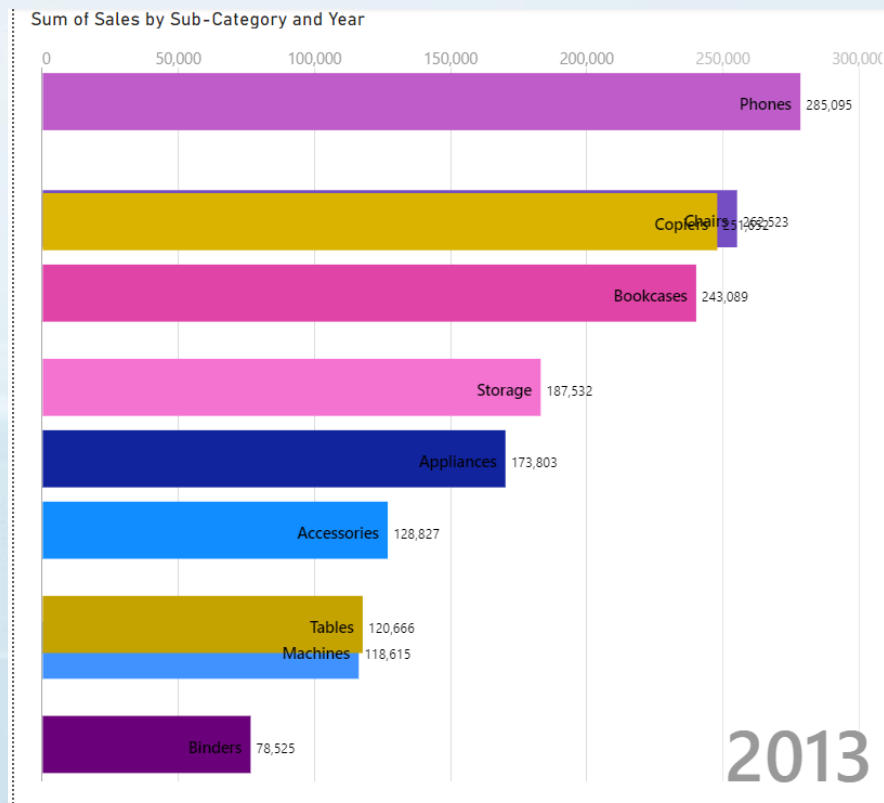


Figure 13: Animated Bar graph

### Use Case

Using animation to present visualization tools is a captivating area of study and a highly effective strategy for connecting with people on a more profound, emotional level. Users have a lot of leeway in how they portray their data in data stories. The main idea of Animation is to strengthen dialogue and propel transformation.

When used with visualization, the animation may breathe new life into data for exploratory and presentation purposes. Data visualization that uses animation is more effective at capturing audience attention than static alternatives. Changes can be monitored, for instance, by noting when a certain stage ends and the next begins.

### Word Cloud

Word frequency and value are displayed visually in word clouds. Utilize it to gain quick insight into the key terms in your data. The lively Word Cloud feature in Power BI eliminates the need to laboriously sift through voluminous amounts of text to identify the terms that are widespread or notable.





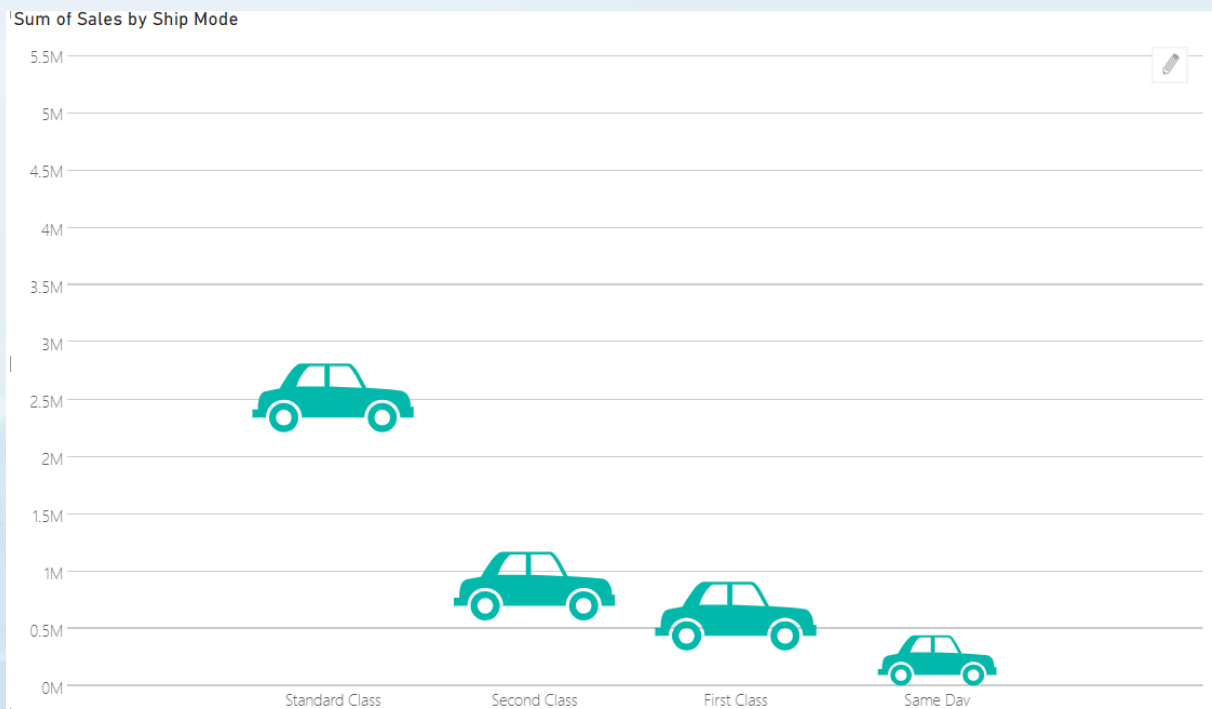


Figure 15: Infographic Designer

This precise layout control allows you to create both straightforward pictograms and intricate, highly customized visuals when combined with the option to insert unique shapes and pictures that can be connected to data. To transform data into information, the infographic creator custom visualizes various layout and graphic modification choices.

### Use Case

Compared to long paragraphs of text or lists of bullet points, infographics present information in a far more engaging format. They aid in simplifying complex data, making it more readily understandable at a glance through visual features that render abstract data more concrete.

### Inforiver

With Inforiver, you don't need to know DAX or IT to quickly create complex financial statements, P&L reports, management, and variance reports, thanks to our built-in visual formula engine. Inforiver Professional Edition supports the Reporting, Visualization, and Analysis use cases.



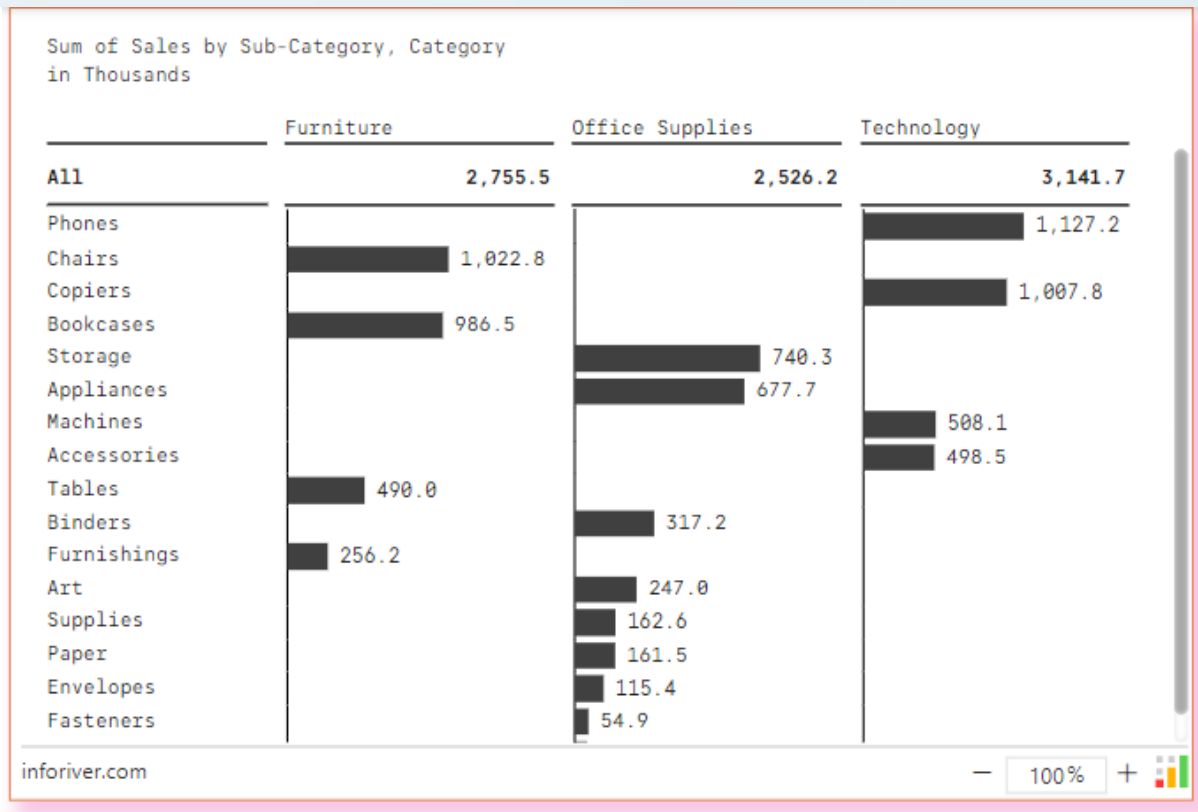
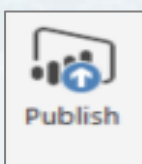
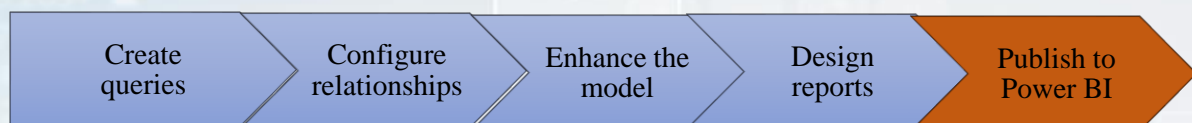


Figure 16: Inforiver

Exclusive end-user self-service, engagement, and collaboration experiences are delivered by the creative built-in toolbar, which proposes alignment, single-click styling, and a variety of formatting possibilities. The professional edition is suitable for creating financial statements with a certain format.

### Publishing to Power BI



The Power BI Desktop file can be uploaded to the Power BI service, or published directly

Publish directly to your workspace or a group

Note, if overwriting an existing dataset:

If there are two or more datasets with the same name, remove one, or rename the Power BI Desktop file

Renaming columns or measures can break existing reports or dashboard tile