



Business Analytics with Power BI

Microsoft Services



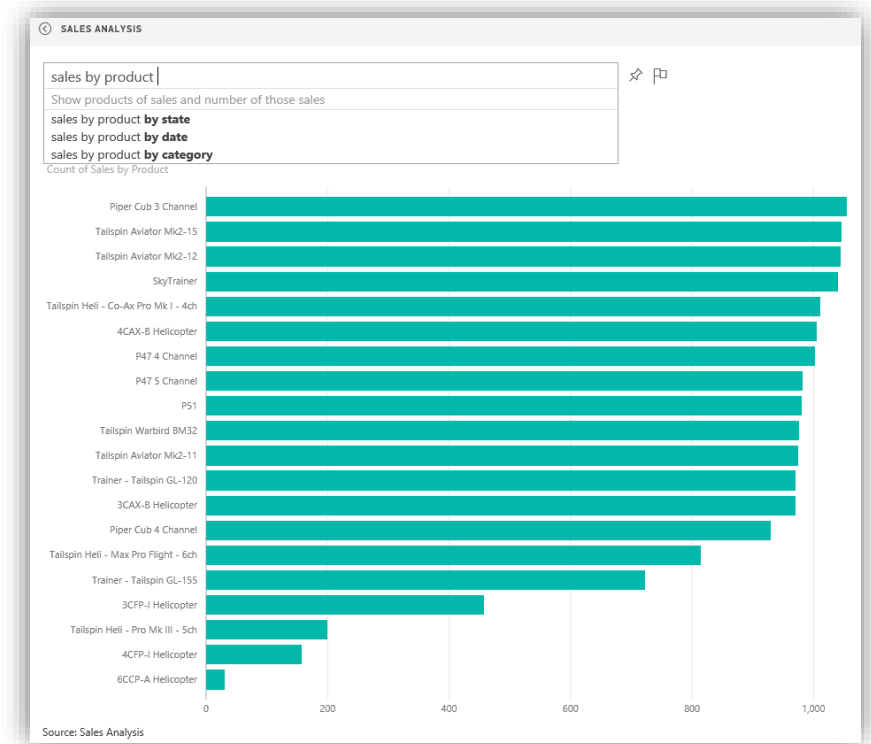
Module 2: Power BI Service

Lesson 4: Q&A and Quick Insights

Q&A and Quick Insights

Q&A

- Allows querying a model with **natural language**
- Has **auto-completion**, restatement
- **Results** can be shown in the form of **charts** and **graphs**
- Access Q&A from the **dedicated bar** on a dashboard
- The **result** can be **pinned** to the initial dashboard or to a new one and **can be visually enhanced**
- Supports on-premises data sources



Q&A and Quick Insights



Get Data



Pinning and Navigation



Keeping Data Current



Q&A and Quick Insights



Sharing



Connect from Excel



Mobile Reports

Q&A

- Relies on **names of tables, columns and calculated fields**, so naming them correctly is very important
- Picks the **dataset automatically** from the ones used on the dashboard
- Picks the **visualization automatically** but it is possible to change the output format
- Possible to define **Featured Questions in datasets** that show up as suggestions

Featured Q&A Questions

Featured questions are shown as suggestions for this dataset in the Q&A question box.

sales by product year 2013



Add a question

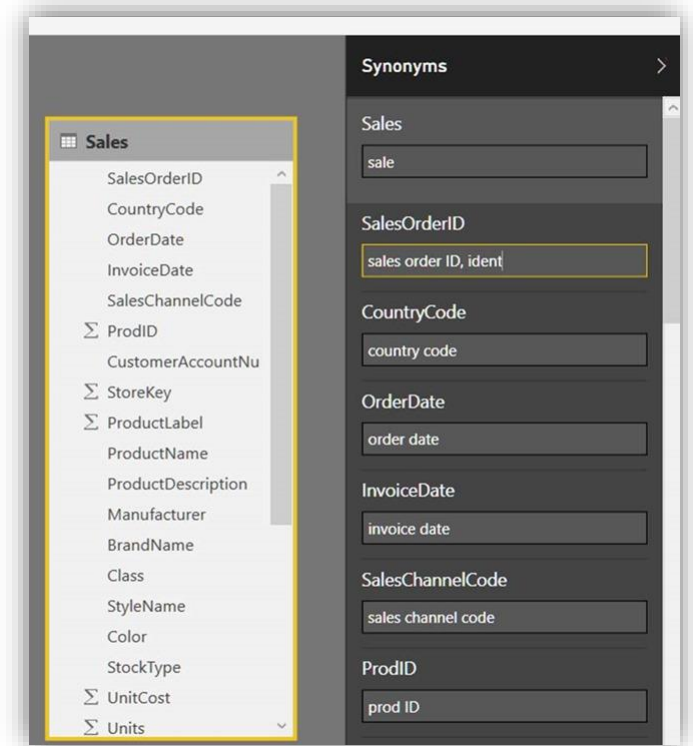
Apply

Discard

Q&A and Quick Insights

Q&A

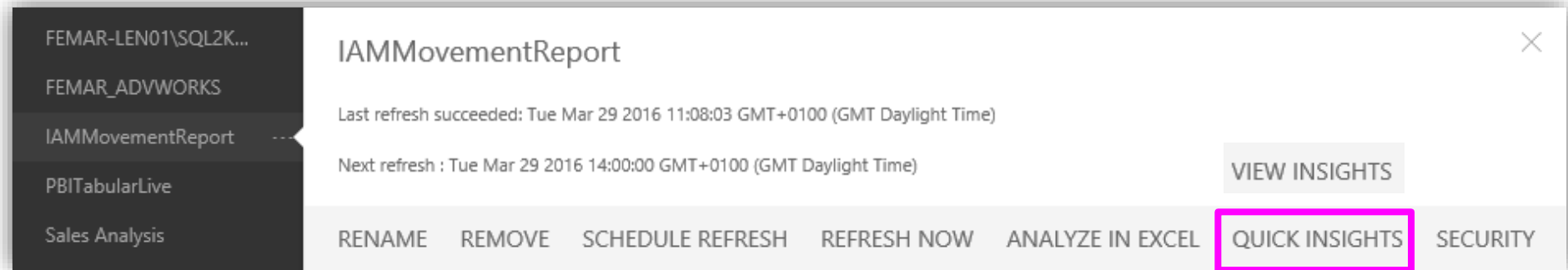
- Also relies on Synonyms which can be defined in the Relationship View in Power BI Desktop
- A **comma** is used to separate the nouns



Q&A and Quick Insights

Quick Insights

- Searches subsets of data in the dataset or dashboard tile (upholds all filters) and applies algorithms to detect interesting facts about your data
- Scans as much as it can in an allotted amount of time (not configurable, yet)

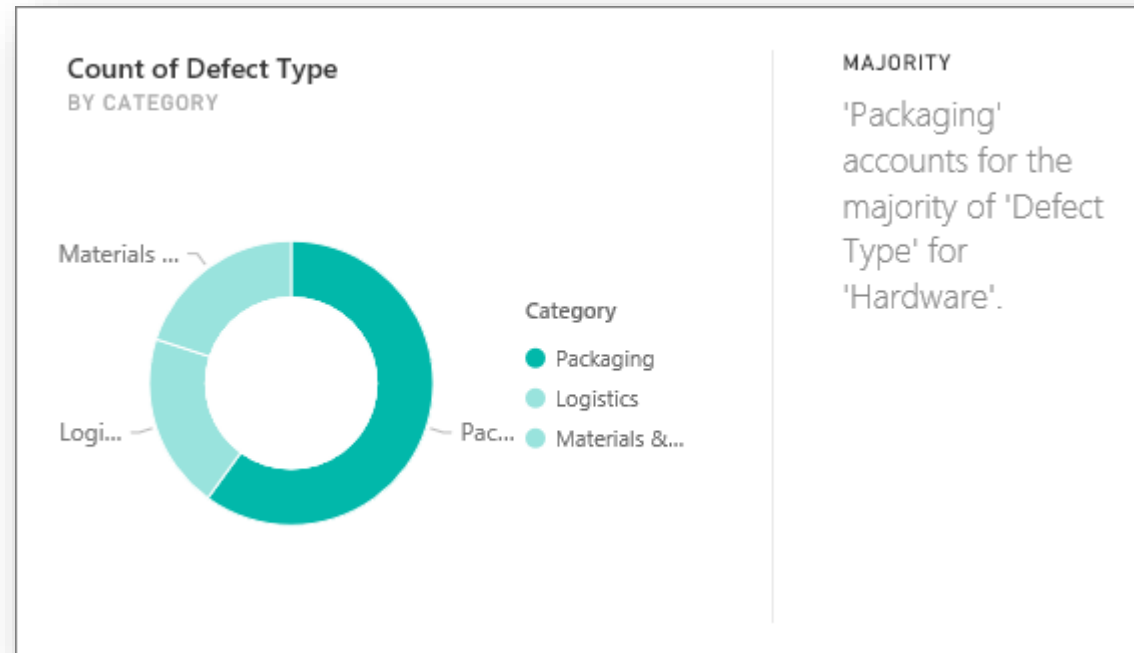


- Many visualizations are returned which can be **pinned** to dashboards
- Hidden columns are not searched. Duplicate information should be hidden

Q&A and Quick Insights

Quick Insights - Types

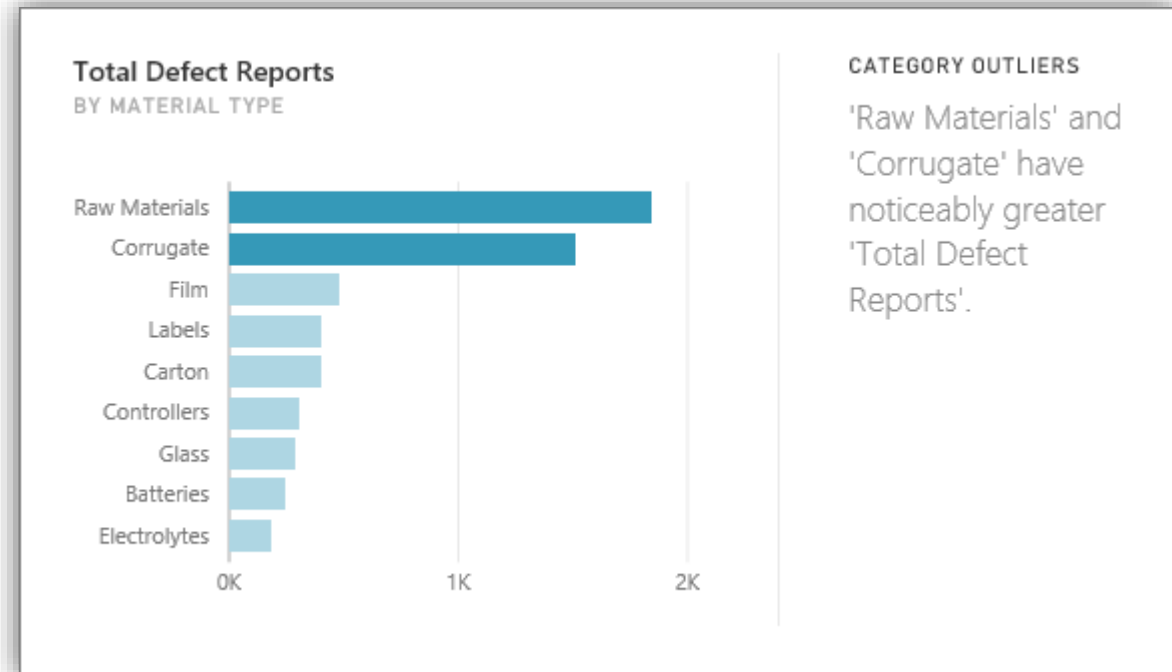
- **Majority** - Finds cases where a majority of a total value can be attributed to a single factor when broken down by another dimension.



Q&A and Quick Insights

Quick Insights - Types

- **Outliers** - Highlights cases where, for a measure in the model, one or two members of a dimension have much larger values than other members of the dimension.



Q&A and Quick Insights



Get Data



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Keeping Data Current



Q&A and Quick Insights



Sharing



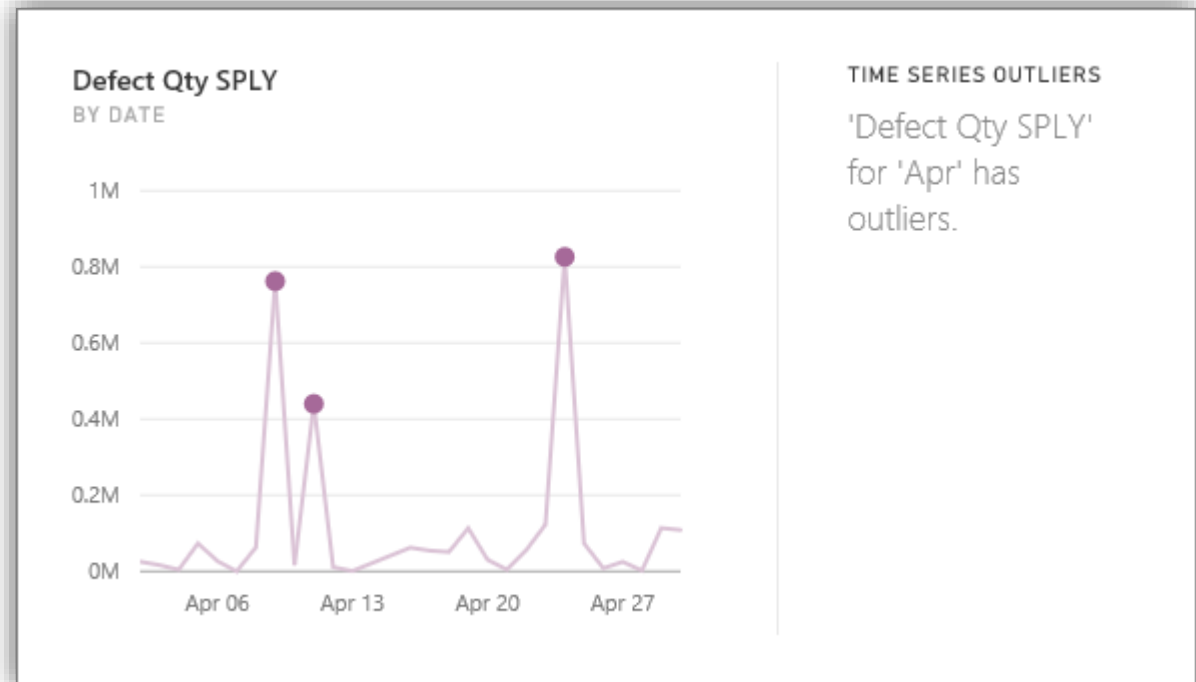
Connect from Excel



Mobile Reports

Quick Insights - Types

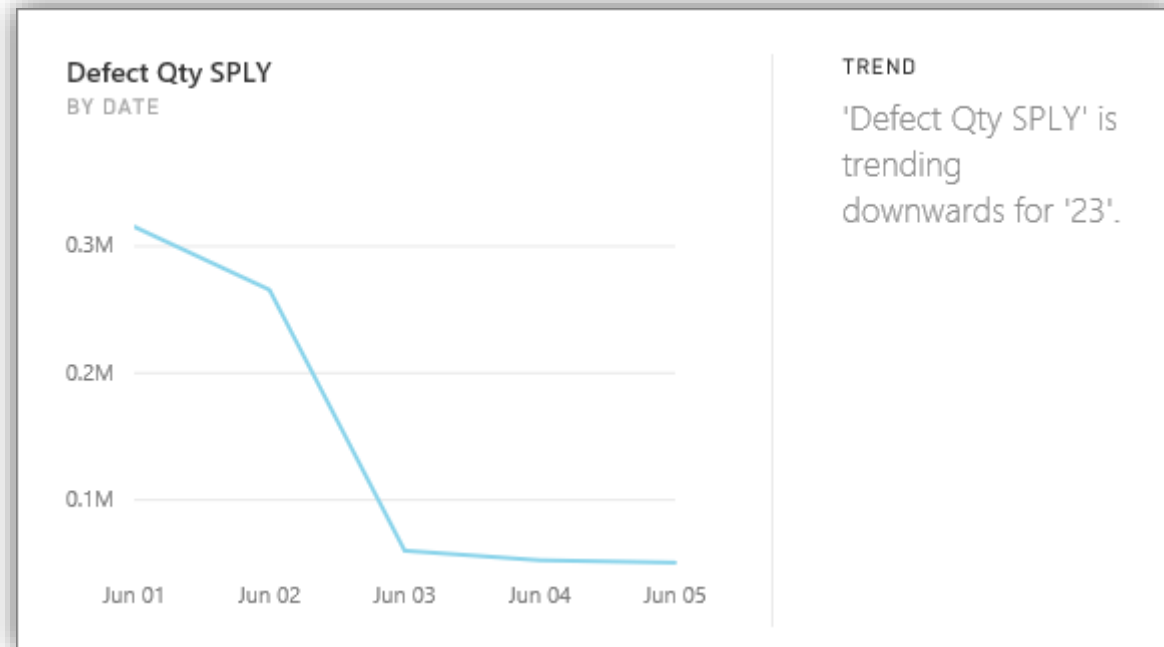
- **Time Series Outliers** - For data across a time series, detects when there are specific dates or times with values significantly different than the other date/time values.



Q&A and Quick Insights

Quick Insights - Types

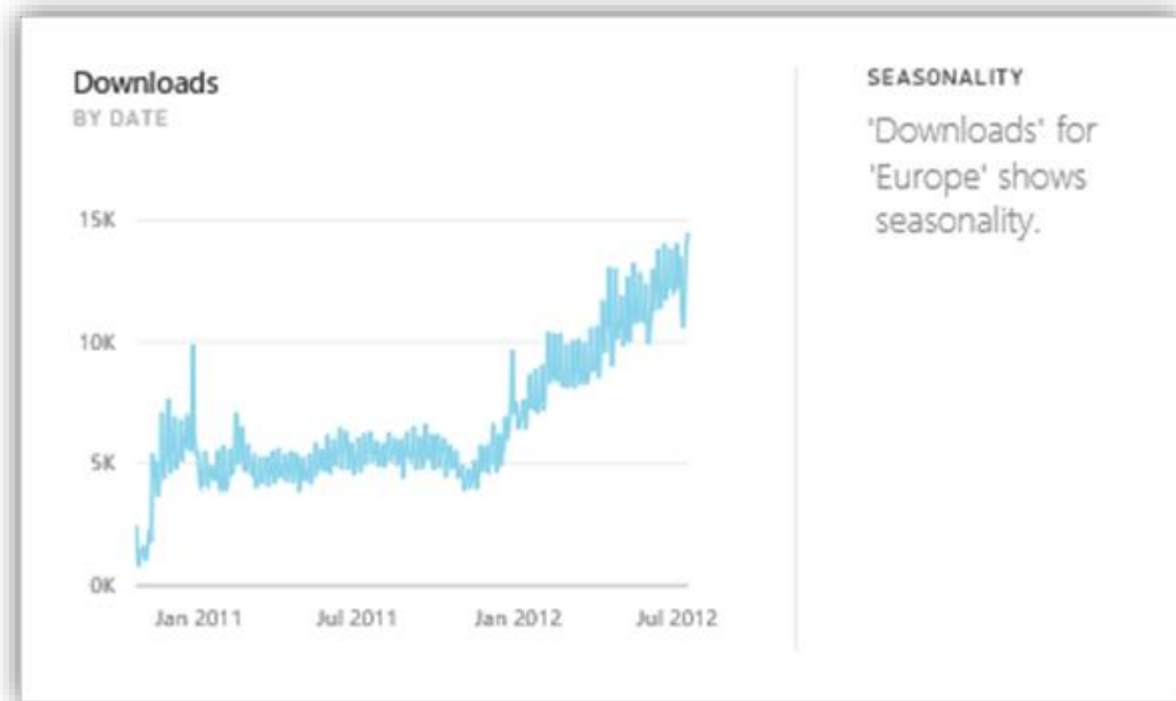
- **Time Series Trends** - Detects upward or downward trends in time series data.



Q&A and Quick Insights

Quick Insights - Types

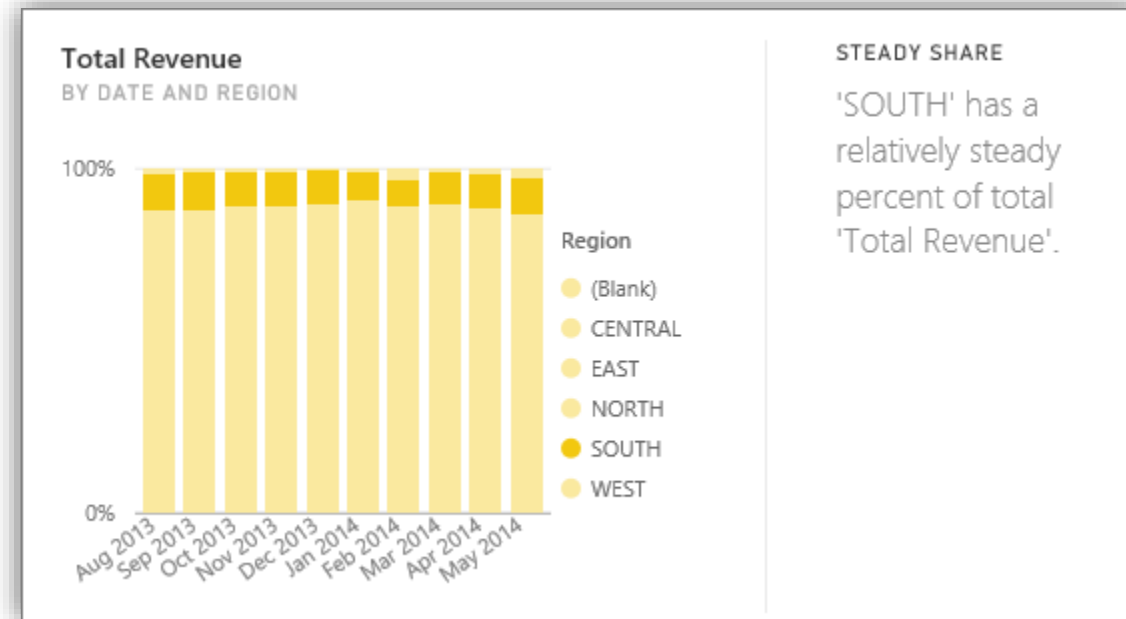
- **Time Series Seasonality** - Finds periodic patterns in time series data, such as weekly, monthly, or yearly seasonality.



Q&A and Quick Insights

Quick Insights - Types

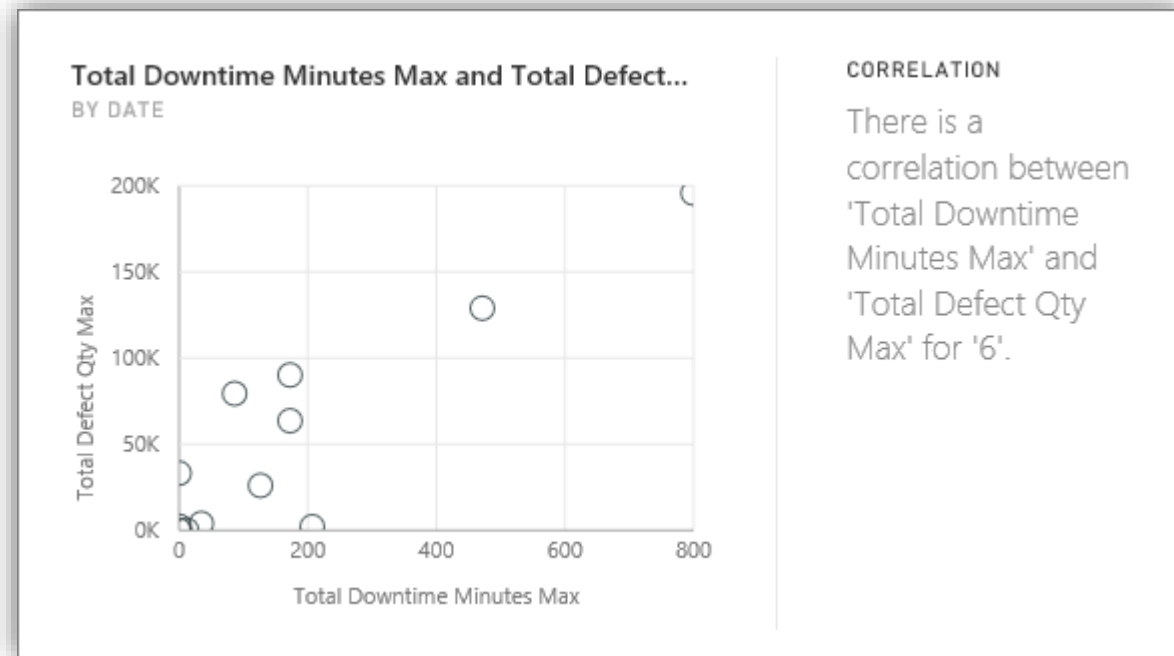
- **Steady share** - Highlights cases where there is a parent-child correlation between the share of a child value in relation to the overall value of the parent across a continuous variable.



Q&A and Quick Insights

Quick Insights - Types

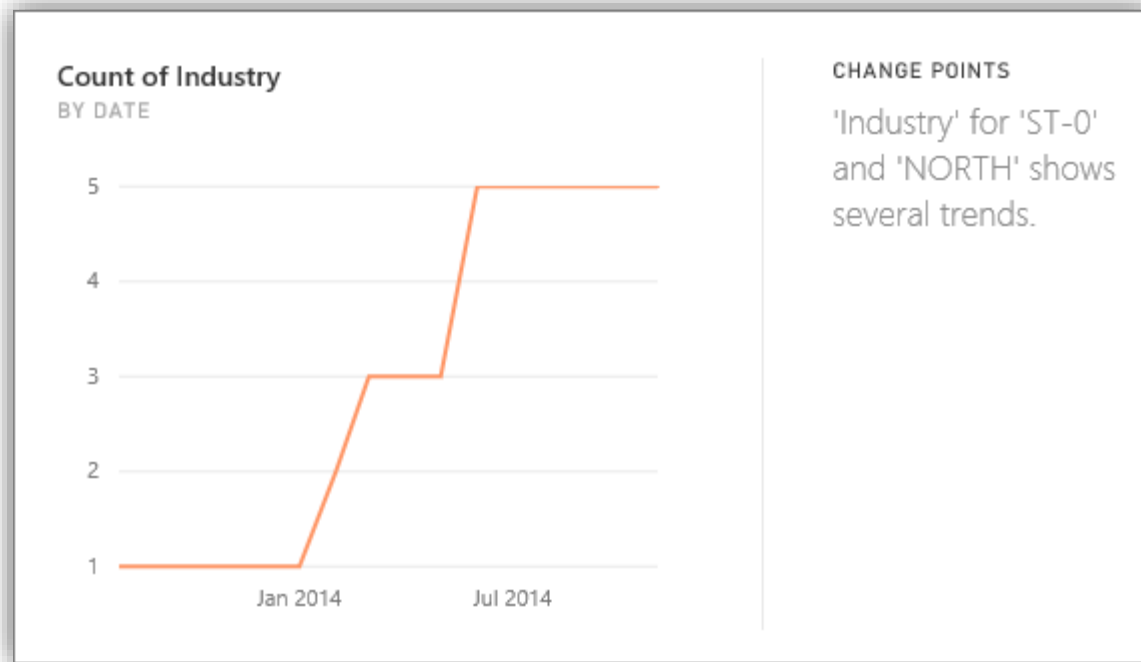
- **Correlation** - Detects cases where multiple measures show a correlation between each other when plotted against a dimension in the dataset.



Q&A and Quick Insights

Quick Insights - Types

- **Change points in a time series** - Highlights when there are significant changes in trends in a time series of data



Demonstration: Q&A and Quick Insights

Lab 2:

Power BI Service