**Calculated Fields and Tableau Calculations**

**Business Scenario:**

Comparing quarterly earnings is an important way to measure a company's financial performance during a specific year. This gives analysts, investors, and other participants an idea of how much a company's sales are increasing over time. For this, the data analyst of a consumer product company needs to analyze the difference between the average orders and the current orders for this year and all previous years every quarter. This will give the investors an idea of how well the company is doing.

**Overview:**

* Use the Sample–Superstore excel sheet as the data source
* Create a calculated field to calculate this year’s average difference using the formula: SUM ([Quantity]) - WINDOW\_AVG (SUM ([Quantity]), First (), Last ())
* Create another calculated field to calculate the average difference over all years using the formula: ZN (SUM ([Quantity])) – Window\_AVG (SUM ([Quantity]))
* Use the Order Date dimension and perform drilling to break the data into quarters
* Use the newly created calculated fields and order quantity to complete the view
* Use the Category dimension to differentiate the data using colors