

1. Using the `Global Superstore.xls` datafile, do the following:

- (a) (3 points) Load the `Orders` sheet.
- (b) (4 points) Create a visualization that shows sales based on category and sub-category. Also, add the actual sales as labels in your chart.
- (c) (4 points) Create a calculated field, call it `Sales Excluding Sub-Category`. Use the following formula:

$$\{\text{EXCLUDE [Sub-Category] : SUM([Sales])}\}$$

- (d) (4 points) Add this new calculation to your chart from part (b). Make sure to include the actual sales as labels in your chart.
- (e) (4 points) Create another calculated field, call it `Percentage of Sales`. Use the following formula:

$$\text{SUM([Sales])} / \text{SUM([Sales Excluding Sub-Category])}$$

- (f) (4 points) Add this new calculation to your chart from part (d). Make sure to include the percentage as labels in your chart.
- (g) (3 points) What percentage of furniture sales does table sales represent? What percentage of technology sales does phones represent?

¹Make sure you submit a `*.twb` file in Blackboard.