

# Charting

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This assignment has a total of 100 points.

Complete the assignment by placing all answers in the cells indicated.

Do not insert rows or columns unless instructed to do so. The grader relies on the current worksheet structure.

## Education

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Howard volunteers for a local youth group. He was asked to talk with the youth about the importance of education. He found some information about the median annual income and unemployment rate for Americans with various levels of education. Use charts to look at how education impacts income and unemployment.

Task #	Points	Task Description
1	12	Construct a column chart to examine the median annual earnings for each level of education. Format the chart with a title "Education and Income" at the top, each education level on the horizontal axis, and no legend. Show data labels on the top of each of the "bars" of the graph. Add a linear trendline to the chart.
2	12	Construct a column chart to examine the unemployment rate for each level of education. Format the chart with a title "Education and Unemployment" at the top, each education level on the horizontal axis, and no legend. Show data labels on the top of each of the "bars" of the graph. Add a linear trendline to the chart.
Total:	24	

## Quarterly Revenue

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Quickstove, Inc. has been in business since 2011. The table on the "Quarterly" worksheet contains the quarterly sales totals for the company. Use this data to build a stacked column chart to see if their sales are seasonal (sales are not evenly distributed over each quarter).

Task #	Points	Task Description
1	21	Construct a stacked column chart to compare the revenue totals for each year. Format the chart with a title "Quickstove Quarterly Revenue", the year as the horizontal axis, the quarterly revenues "stacked" in each column, and a legend that depicts each quarter. Do not include the total revenue range in the chart.

Total:	21	
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## Compare

Examine the quarterly sales data in a little different way. Construct two pie charts, one for sales in 2012 and the other for sales in 2013. Does it appear that sales are becoming more seasonal or less seasonal?

Task #	Points	Task Description
1	14	Construct a pie chart to compare the quarterly sales totals for Quickstove in 2012. Format the chart with a title "Quickstove Sales in 2012", a legend that depicts each quarter (reference an appropriate range as the Horizontal (Category) Axis Labels) , and data labels that display the percentage of sales for each quarter.
2	14	Construct a pie chart to compare the quarterly sales totals for Quickstove in 2013. Format the chart with a title "Quickstove Sales in 2013", a legend that depicts each quarter (reference an appropriate range as the Horizontal (Category) Axis Labels) , and data labels that display the percentage of sales for each quarter.
Total:	28	

## Product Sales

Quickstove sells a number of different products. They also sell product bundles. The table on the "Product Sales" worksheet details the total sales revenue by month for each of the products and bundles that Quickstove sold in 2012. Create a line chart to examine trends in sales for certain products and bundles.

Task #	Points	Task Description
1	12	Construct a line chart to examine the Total Sales growth (row 89 of the worksheet) across each month in 2012. Format the chart with the title "Quickstove Product Sales" and a legend to the right of the chart. Use the months in row 6 of the worksheet as the labels for the horizontal axis. Add a linear trendline to the chart.
2	15	Construct a line chart to compare the sales trends for the following products and kits: Firebox Deluxe Combo Kit, Firebox Master Combo Kit, Folding Firebox Campfire Stove, and Quickstove Fuel Disk. Format the chart with the title "Sales for Selected Products" and a legend to the right of the chart. Use the months in row 6 of the worksheet as the labels for the horizontal axis.
Total:	27	