

# Introduction to Visualizations

Seeing is Believing



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**Power BI: Introduction to Business Analytics**

*Course Author: Joshua Michalik*

# Overview

Simple Visuals

Charts

Maps

Interactivity

Formatting



# Simple Visuals

Cards

Gauges

Tables



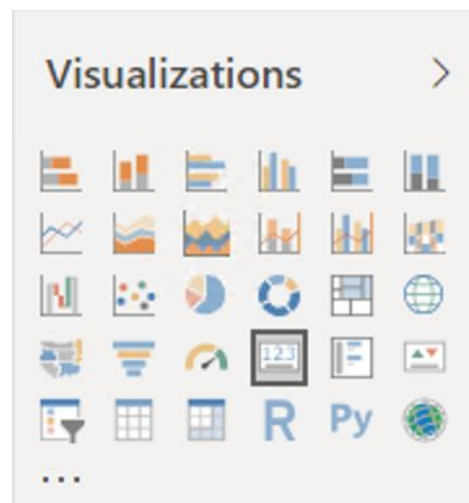
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# Cards

## Key Figure and Label



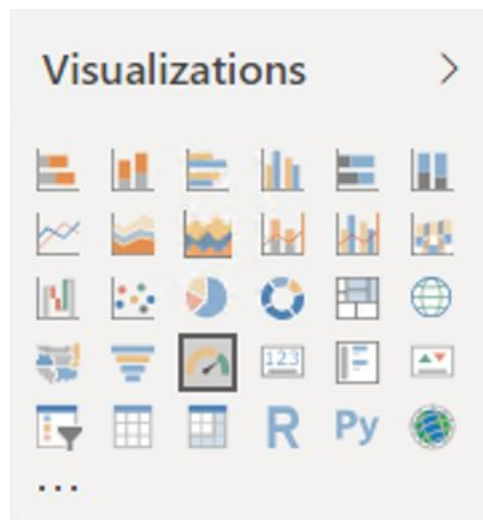
\$4M

Total Units This Year

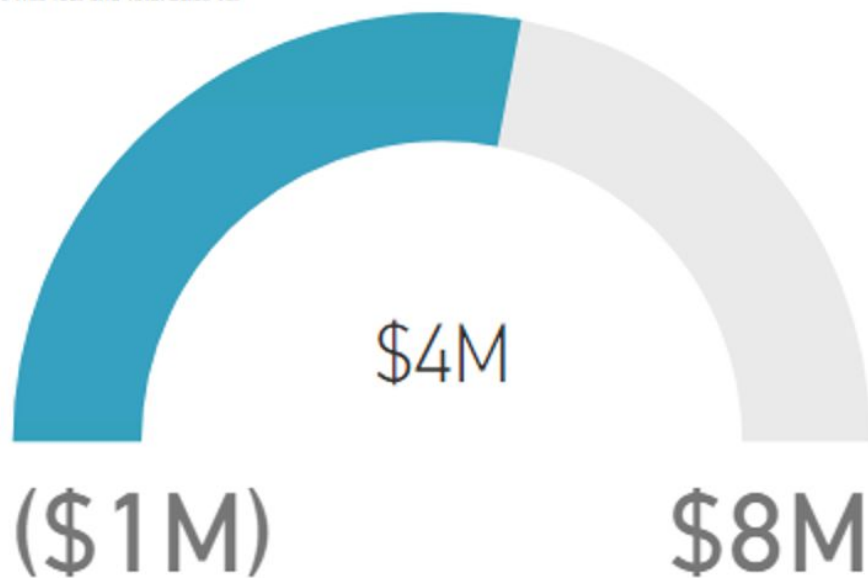


# Gauges

Set a Goal

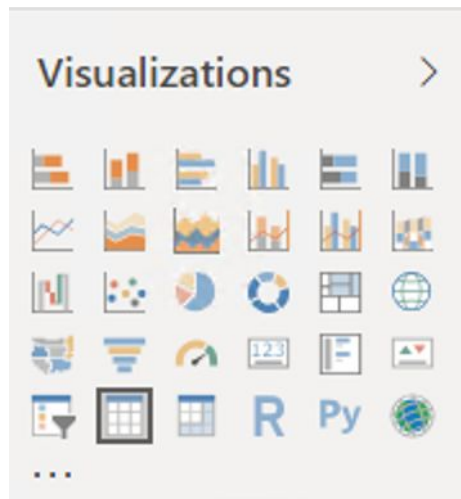


Total Units This Year and Total Sales Var



# Tables

Show exact records



Average Selling Area Size	Territory
10,000	DE
11,875	GA
20,000	KY
15,769	MD
11,364	NC
49,286	OH
47,500	PA
11,667	SC
12,000	TN
13,636	VA
45,000	WV
24,327	



# Charts

Column Charts

Bar Charts

Line Charts

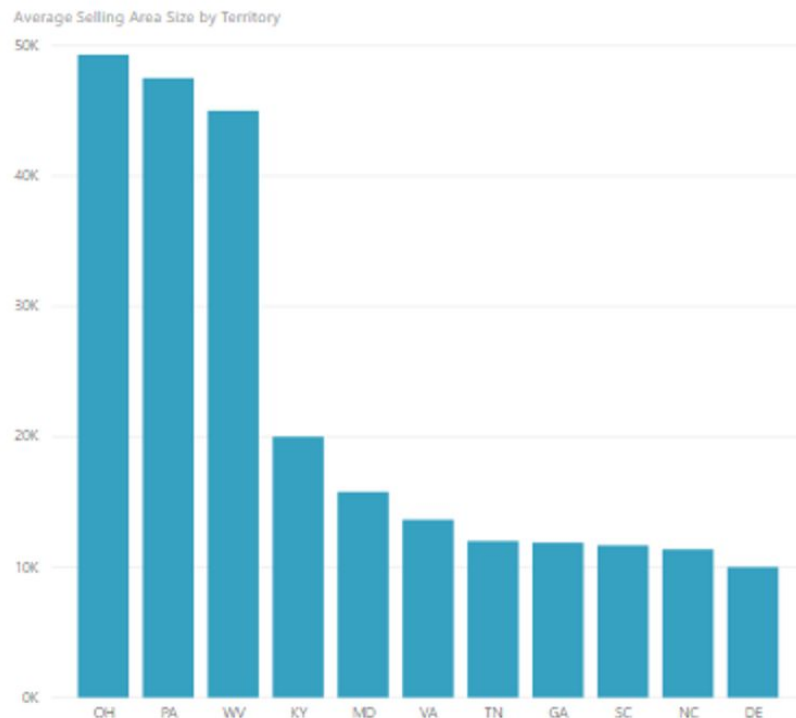
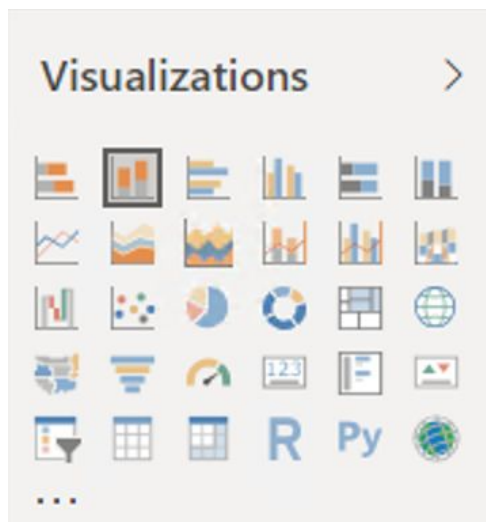
Area Charts

Scatter Charts



# Column Charts

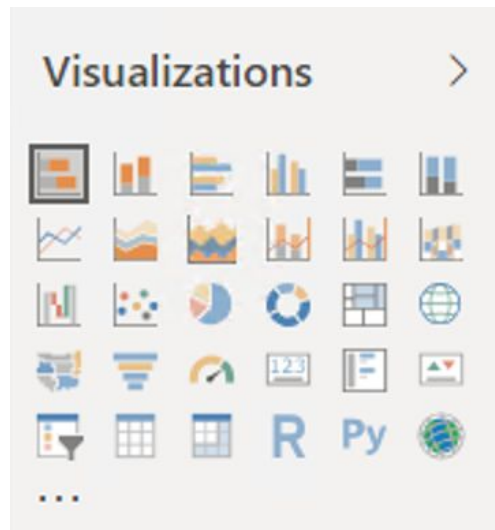
Compare values



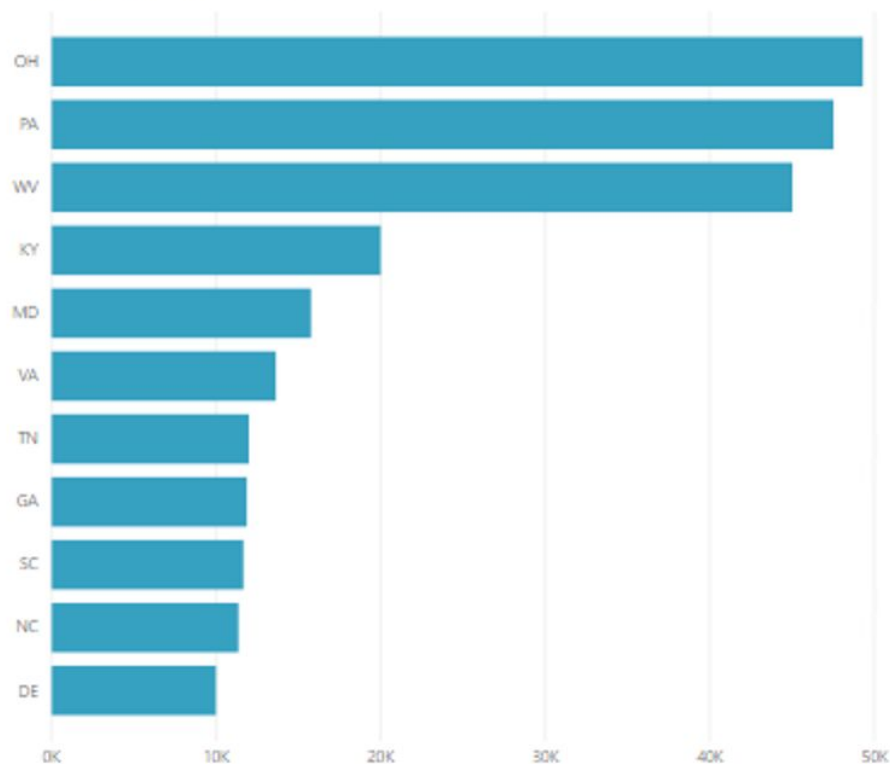


# Bar Charts

Compare Categories

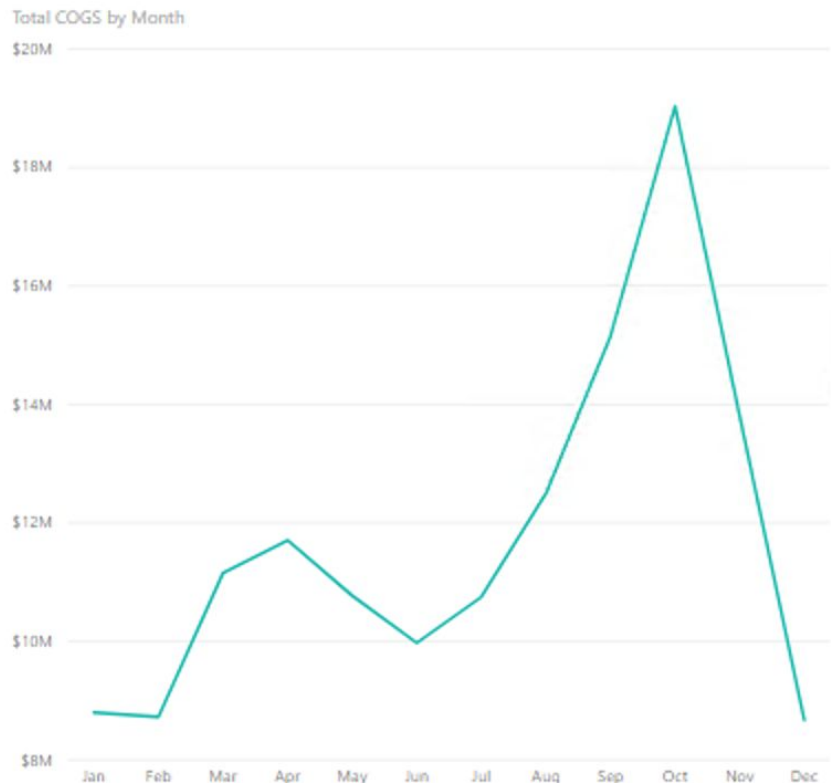
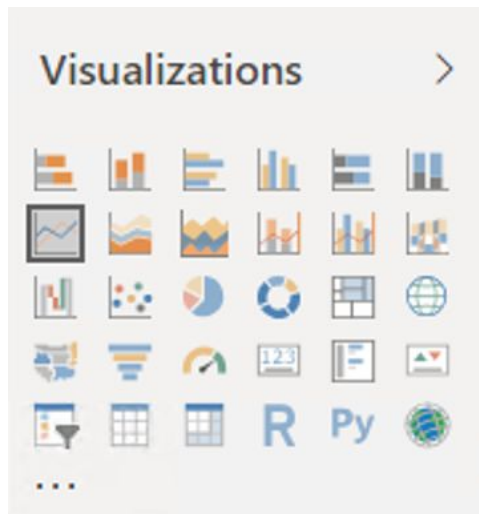


Average Selling Area Size by Territory



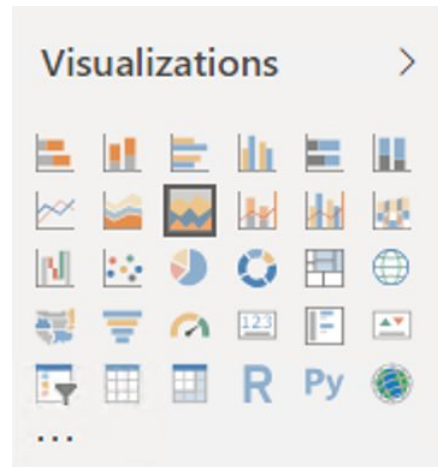
# Line Charts

Change over time

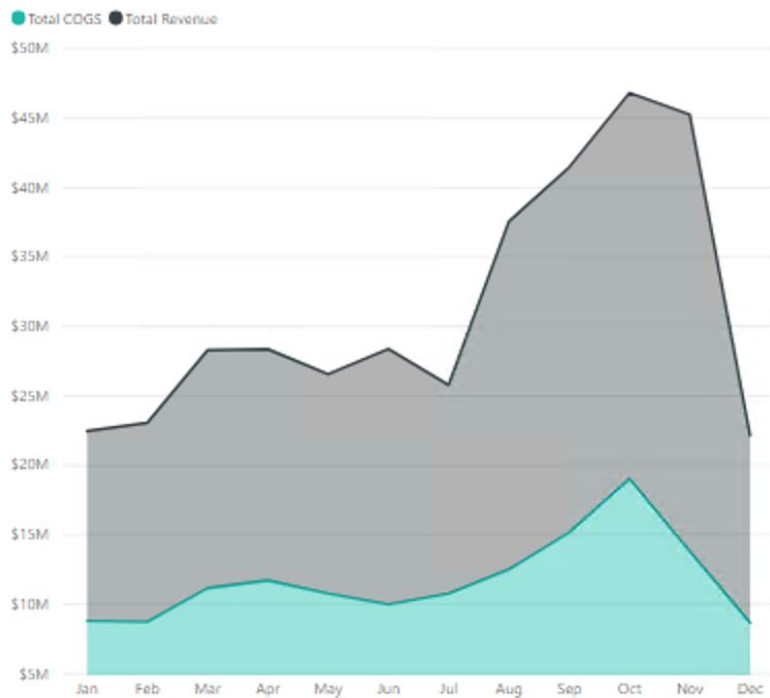


# Area Charts

Compare relative amounts



Total COGS and Total Revenue by Month



# Scatter Charts



# Maps

Maps

Filled Maps

3D Maps



# Maps



# Filled Maps



# 3D Maps





# Interactivity

Slicers

Drill-through

Select Elements



# Slicers



# Drill-through



# Selecting Elements



# Formatting

General

Legend

Axes

Colors

Labels



# General



# Legend



# Axes





# Colors



# Labels



# Review



# Review

Which visual is effective for ranking categories?

Which visual is effective for comparing 2 kinds of things?

Which visuals should be avoided?

What is your favorite visual? Why?

