Bellevue University

Exercise 9.2 Narrative

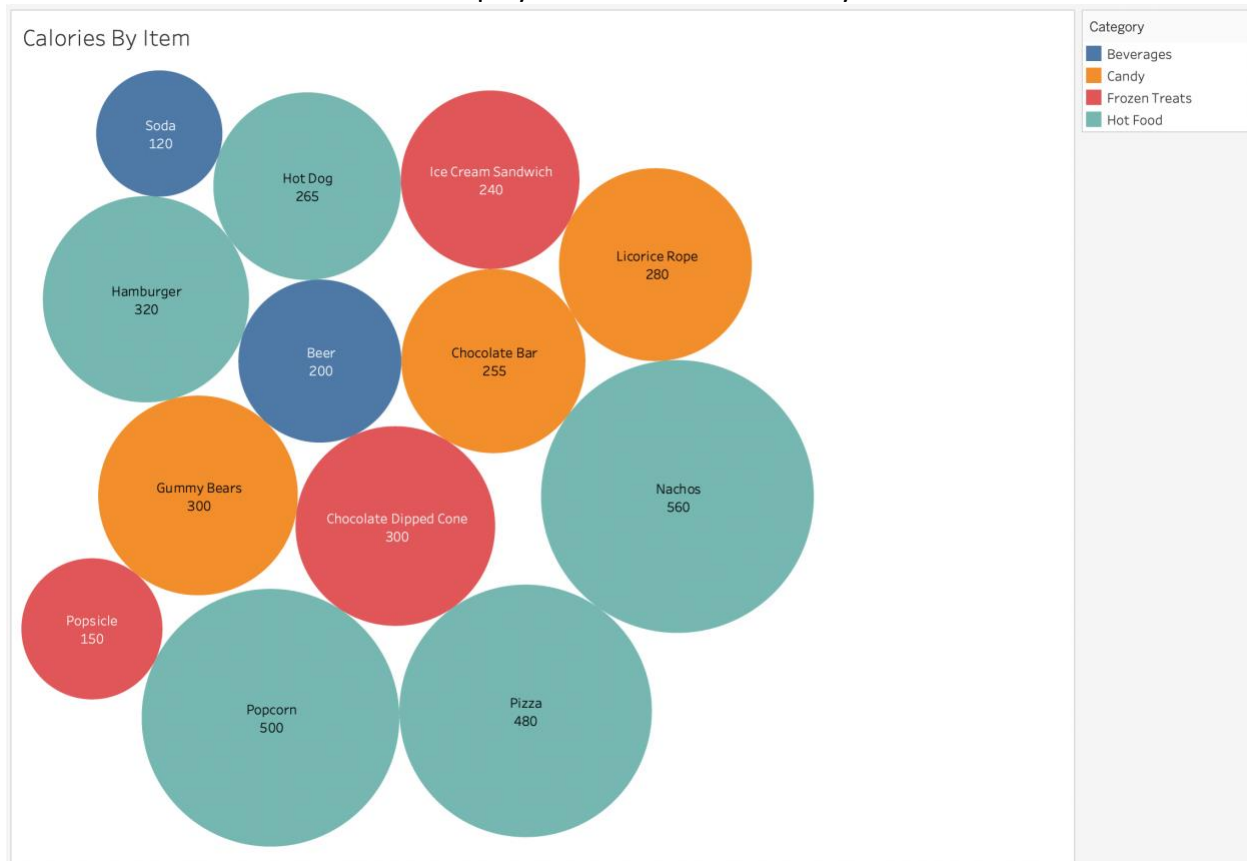DSC500: Introduction to Data Science

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The file imported contained basketball game sales. There are four different types of visualizations that were created, and I will discuss each one individually. There first one was a visualization of individual profits.
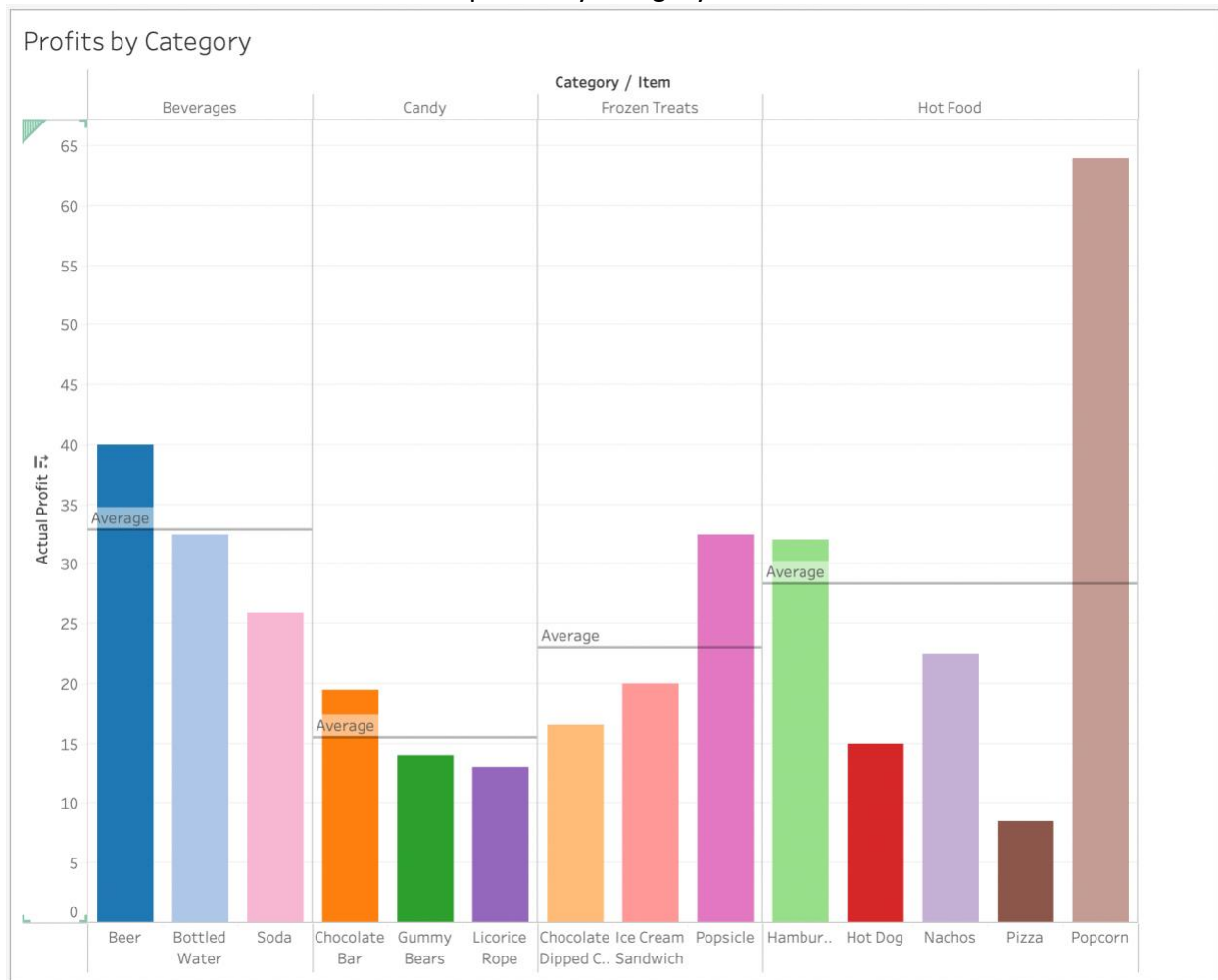
Profits Individual

This visualization was selected with a monochrome color so that the darker shades can indicate which item contained the higher sales. The items that have higher sales are also indicated by having a larger size rectangle.

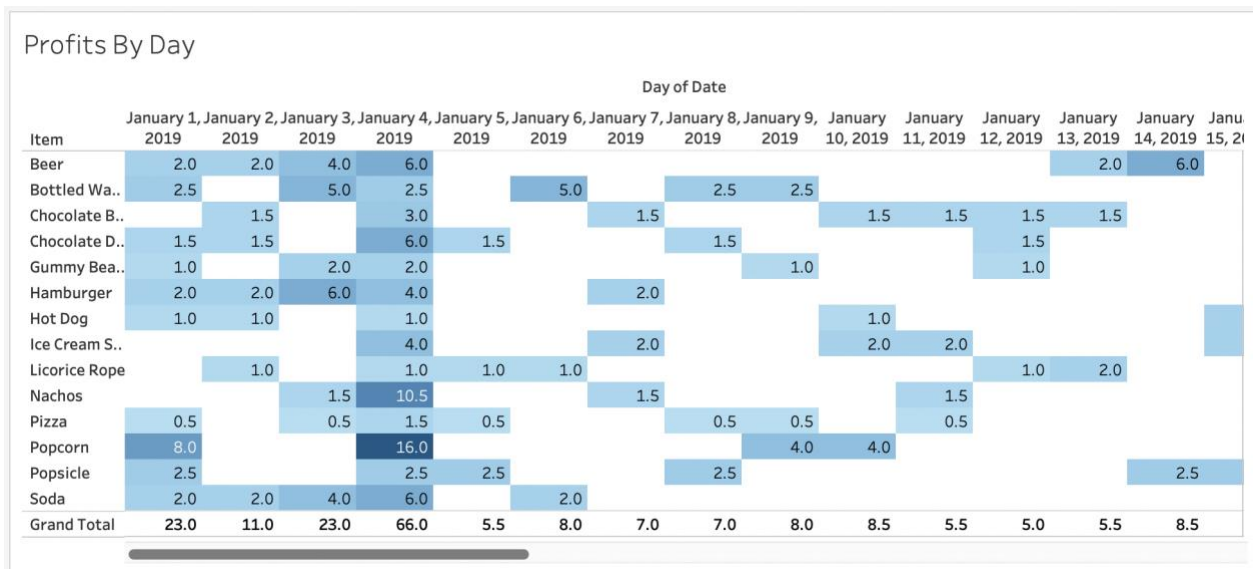The next visualization is a display of number of calories by item.

This shows how many calories each item has. This visualization was chosen to display to consumers the calorie count in the items they have available for purchase. The larger the size of the circle, the higher the calorie count is. Also, the circles are color coordinated by category so that it is known which category the items belong into.

The next visualization shows profits by category.

This chart shows the different categories and items available and the profits that they produced. Each item is a different color to show that the items are different. There is also a line to indicate the average sales of each category. This data is interesting because even though popcorn had the highest sales, the category did not have the highest average.

The last visualization has profits by day.

Profits By Day

Day of Date

Item	January 1, 2019	January 2, 2019	January 3, 2019	January 4, 2019	January 5, 2019	January 6, 2019	January 7, 2019	January 8, 2019	January 9, 2019	January 10, 2019	January 11, 2019	January 12, 2019	January 13, 2019	January 14, 2019	January 15, 20..
Beer	2.0	2.0	4.0	6.0									2.0	6.0	
Bottled Wa..	2.5		5.0	2.5		5.0		2.5	2.5						
Chocolate B..		1.5		3.0			1.5				1.5	1.5	1.5	1.5	
Chocolate D..	1.5	1.5		6.0	1.5			1.5					1.5		
Gummy Bea..	1.0		2.0	2.0						1.0			1.0		
Hamburger	2.0	2.0	6.0	4.0			2.0								
Hot Dog	1.0	1.0		1.0							1.0				
Ice Cream S..				4.0			2.0				2.0	2.0			
Licorice Rope		1.0		1.0	1.0	1.0							1.0	2.0	
Nachos			1.5	10.5			1.5					1.5			
Pizza	0.5		0.5	1.5	0.5			0.5	0.5			0.5			
Popcorn	8.0			16.0						4.0	4.0				
Popsicle	2.5			2.5	2.5			2.5						2.5	
Soda	2.0	2.0	4.0	6.0		2.0									
Grand Total	23.0	11.0	23.0	66.0	5.5	8.0	7.0	7.0	8.0	8.5	5.5	5.0	5.5	8.5	

This visualization includes all the days that sales were made and calculates the total at the bottom for each day. It also highlights all the profits in blue and the darker the tone is, the more profit the item had.