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Intro to Data Science

Project 1

January 25, 2022

Chicken Weights

Purpose

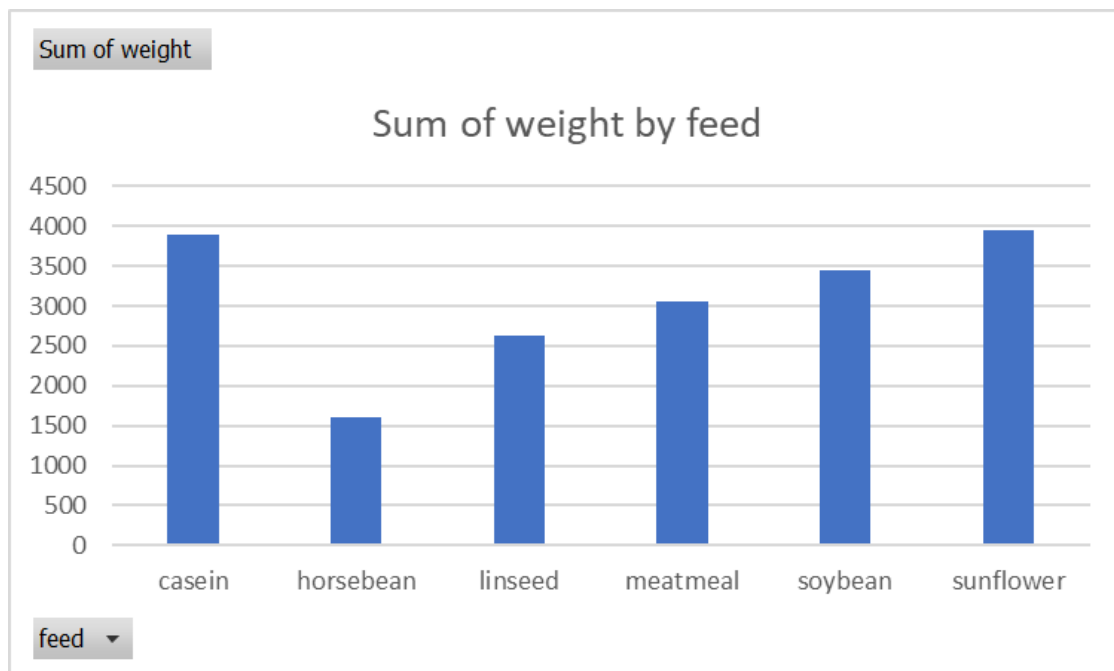
The purpose of this project is to learn the basics of manipulating data and applying it to a real-world application.

Methodology

By using excel to view and manipulate the data we are able to view statistics based on the data.

Conclusion and Summary

Problem 1:

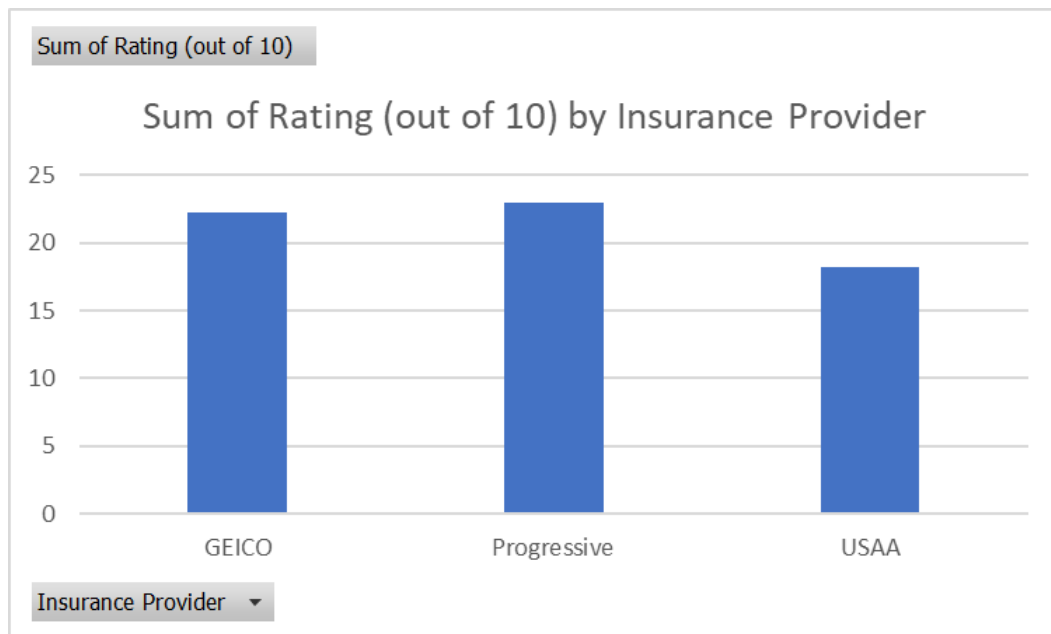


| Food Type | Min Weight | Mean Weight | Max Weight |
|-----------|------------|-------------|------------|
| Casein | 216 | 323.5833333 | 404 |
| Horsebean | 108 | 160.2 | 227 |
| Linseed | 141 | 218.75 | 309 |
| Meatmeal | 153 | 276.9090909 | 380 |
| Soybean | 158 | 246.4285714 | 329 |
| Sunflower | 226 | 328.9166667 | 423 |

Question 1: Based on the chicken feed data, which type of chicken food appears the most beneficial for a thriving poultry business? Explain your answer.

Based on the table I created, it was clear that sunflower is the best food for farmers to feed their chickens. This is evident because sunflower has the highest minimum weight along with higher mean weight and max weight. This makes sunflower the clear winner.

Problem 2:



| Provider | Min | Mean | Max |
|-------------|-----|----------|-----|
| GEICO | 4.7 | 7.4 | 9.2 |
| Progressive | 6.7 | 7.666667 | 8.9 |
| USAA | 3.8 | 6.066667 | 8.1 |

Question 2: If you had to choose an auto insurance provider based on these ratings, which one you would opt for. Explain your answer.

If I had to choose one of these I would go with Progressive as it has the highest minimum, mean, and maximum. This means that overall I am more likely to have a good experience with Progressive than the other providers.