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CSC 346
Project 1
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Goal

The goal of this project was to analyze sets of data to obtain the minimum, maximum, and mean values. The information gathered was used to determine the best option from the dataset. Graphs and tables were used to make it easier to analyze the data.

Methodology

For Problem 1, the dataset was retrieved from Github and imported into Google Sheets to be analyzed. All the weights for each food type were grouped together to find the minimum, maximum, and mean weights for each food type. Those values were placed in the table in Figure 1. After grouping the weights for each food type, the data was also analyzed to find the sum of the weights for each food type. Those values were then put into a column chart shown in Figure 2. For Problem 2, the same method was used as in Problem 1. The dataset provided was put into Github and imported into Google Sheets. The ratings were grouped by the insurance company and analyzed for the minimum, maximum, and mean ratings for each company. Those values were also put into a table as shown in Figure 3.

Conclusion and Summary

After analyzing the data and looking at the mean weights for each food type, it was concluded that sunflower is the most beneficial for a thriving poultry business with a mean weight of 328.9. From the Sum of Weight by Feed column chart, sunflower has the highest weight of about 4000. Based on the data for Problem 2, if I had to choose an insurance company I would choose Progressive because it has the highest mean rating.

Tables and Graphs

Figure 1: Summary of Chicken Weights

Food Type	Min Weight	Mean Weight	Max Weight
horsebean	108	159.5	179
linseed	141	218.8	309
soybean	158	246.4	329
sunflower	226	328.9	423
meatmeal	153	276.9	380
casein	216	323.6	404

Figure 2: Sum of Weight

Sum of Weight by Feed
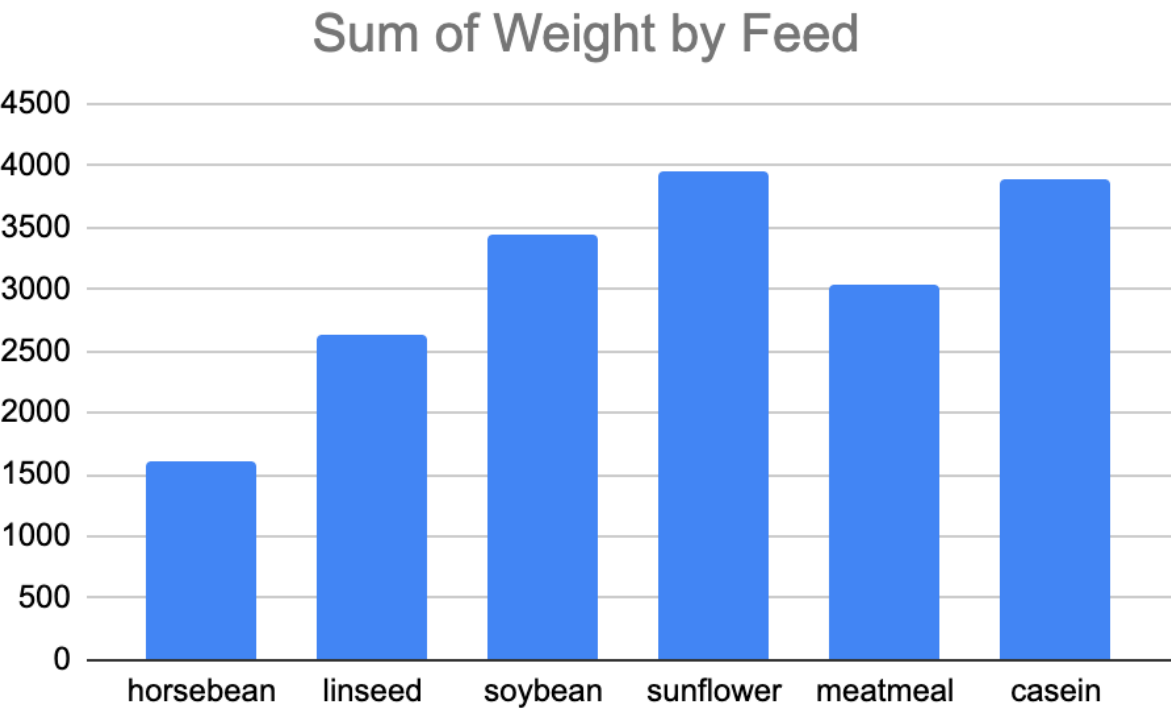
Figure 3: Summary of Insurance Company Ratings

Insurance Provider	Min Rating	Mean Rating	Max Rating
GEICO	4.7	7.4	9.2
Progressive	6.7	7.7	8.9
USAA	3.8	6.07	8.1