Zach Makki

Intro to Data Science

Homework #1 Problem #1

01/27/2021

1. Project Purpose

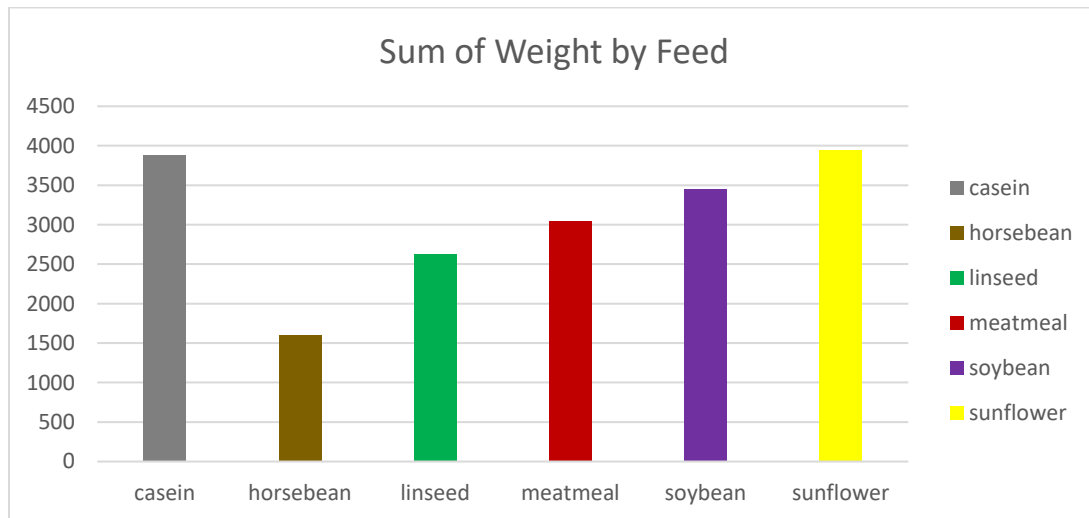Determine the feed which is most effective in chicken weight gain from the data available.
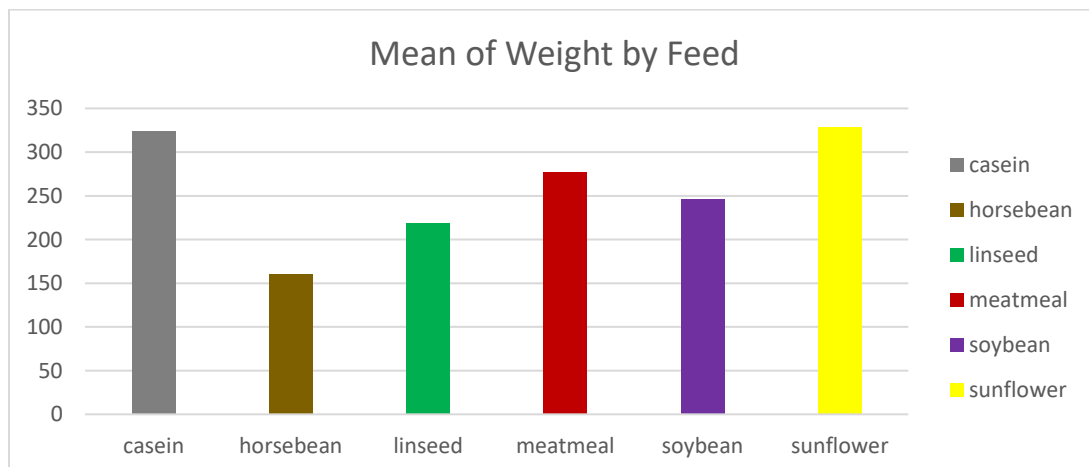
2. Methodology

To examine the data in excel bar charts were created displaying the mean, max, min, and sum of weight by feed. A data table displaying min, max, and mean of weight by feed was also created.
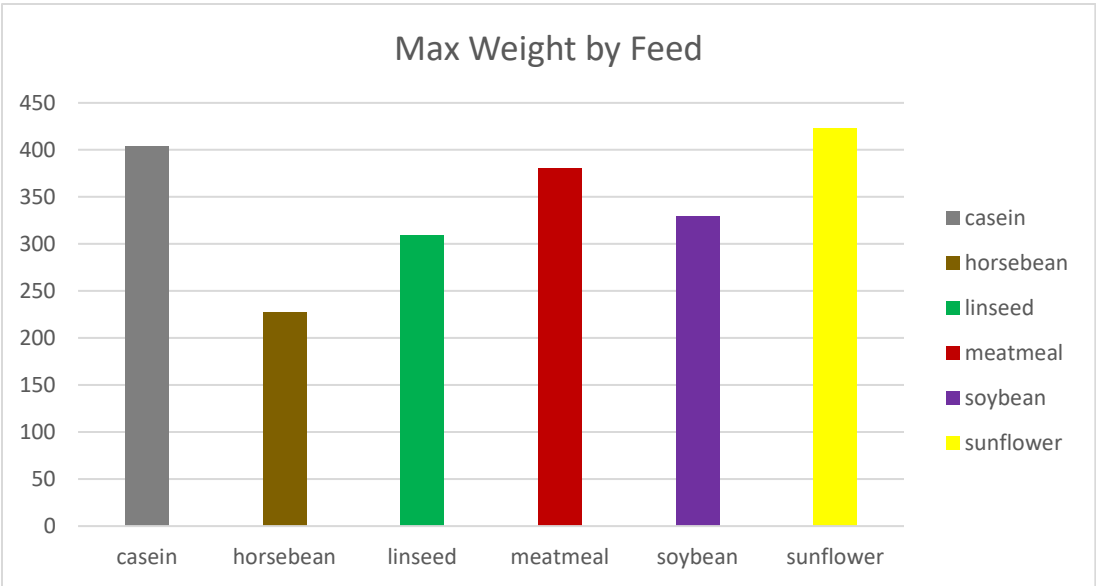
3. Data

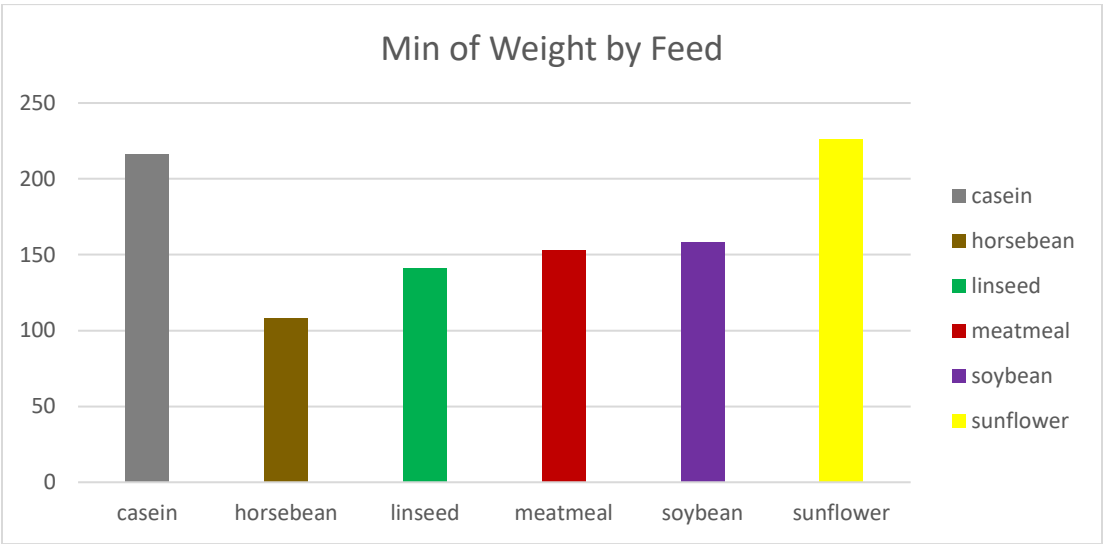Sum of Weight by Feed Bar Chart:

Mean of Weight by Feed Bar Chart:

Maximum Weight by Feed Bar Chart:

Minimum Weight by Feed Bar Chart:

Minimum, Maximum, Mean of Weight by Feed:

Row Labels ▼	Min Weight	Max Weight	Mean Weight
casein	216	404	323.6
horsebean	108	227	160.2
linseed	141	309	218.8
meatmeal	153	380	276.9
soybean	158	329	246.4
sunflower	226	423	328.9

4. Conclusions

Based on the data presented below Sunflower is the best performing chicken seed. Barring additional data such as price point a thriving poultry business should strongly consider using Sunflower as the main source of feed for their chickens. While Casein does come close in terms of performance, Sunflower slightly outperforms Casein in every category. Casein would be the clear second choice if Sunflower is unavailable.