|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Data (Model) | SSE | SST | SSR |  |  | Bias | Standard error of estimation (s) | Slope |
| Sugar | 6284.86 | 14996.80 | 8711.93 | 58.09 | 57.53 | 59.96 | 9.03 | [[-2.46]] |
| Fiber | 9879.24 | 14996.80 | 5117.55 | 34.12 | 33.24 | 35.25 | 11.32 | [[3.44]] |
| Sugar and Fiber | 2784.71 | 14996.80 | 12212.08 | 81.43 | 80.92 | 52.23 | 6.01 | [[-2.24 2.87]] |
| Sugar, Fiber and Fat | 2063.88 | 14996.80 | 12932.91 | 86.23 | 85.67 | 53.70 | 5.17 | [[-2.01 2.95 -3.21]] |
| Sugar, Fiber and Protein | 2764.54 | 14996.80 | 12232.25 | 81.56 | 80.80 | 50.85 | 5.99 | [[-2.21 2.75 0.56]] |
| Sugar, Fiber and Sodium | 1169.95 | 14996.80 | 13826.84 | 92.19 | 91.87 | 60.95 | 3.89 | [[-2.19 2.75 -0.05]] |

​

Sugar Data: The value is low that implies sugar individually doesn’t make an impact rating value. But individually comparing with fiber, sugar has a better value. We can infer that sugar individually can make better impact than fiber on rating of a cereal.  
  
Fiber Data: On evaluating all the models, fiber performs the worst in helping predict the rating value. This is because of having the least value among all the other models and also having a high when compared to all other models.  
  
Sugar and Fiber: When selecting both variables they perform better in estimating the values of rating then individually trying to predict rating values. This is because the is appreciable than the models that contain a single variable like sugar or fiber.

Sugar, Fiber and Fat: Considering fat as the third attribute gives better results than taking protein as third attribute. But this is not the best model as the is less when compared to the model that has sodium as the third attribute.

Sugar, Fiber and Protein: When considering three variables in the model, this model has the least value. This can be considered as the worst performing model due its least and highest .

Sugar, Fiber and Sodium: Among all the models that are considered this model has the highest value. This model can be referred as the best among all the models here. Also this model has the least