

# Dataset Documentation

Md. Sabbir Hassan (14.02.04.058)  
Nowshin Nawar Arony (14.02.04.067)

## Title: Food Type Dataset

## Dataset Naming

The name of the dataset is FoodTypeDataset. This dataset contains 8 features which are used to predict the type of the food. The features are nutritional elements of different types of food such as - calories, fat, vitamin, sodium, potassium etc.

For example, apple contains some specific nutritional elements for which it is classified under the class fruit. The other items are similarly classified based on their nutritional features.

## Sources

1. Fruit Data [2]
2. Vegetable Data [4]
3. Meat Data [3]
4. Dairy Data [1]

## Number of Instances

100 (25 in each of the four classes)

## Number of Attributes

8 numeric, predictive attributes and the target class is Item.

## Attribute Information

1. Calories in cal
2. Total Fat in gm
3. Na (Sodium) in mg

4. K (Potassium) in mg
5. Protein in g
6. Vitamin A in %DV (Percent Daily Values)
7. Vitamin C in %DV (Percent Daily Values)
8. Iron in %DV (Percent Daily Values)
9. Item:
  - Fruit
  - Vegetable
  - Meat
  - Dairy

## Missing Attribute Values

No attribute value is missing.

Summary Statistics:

	Calories(g)	Total Fat(g)	Na(mg)	K(mg)	Protein(g)	Vitamin A	Vitamin C	Iron
<b>MAX</b>	300	48.2	850	620	26.2	448	240	15
<b>MIN</b>	10	0	0	19	0	0	0	0
<b>MEAN</b>	118.87	8.191	68.58	229.69	7.779	35.135	25.11	3.173
<b>SD</b>	91.6480	10.7121	103.8913	109.9815	8.5275	64.5198	47.1470	3.6927

## Class Distribution

25% for each of 4 classes.

## References

- [1] FOOD, U., AND ADMINISTRATION, D. Dairy nutrition fact, 2008.
- [2] FOOD, U., AND ADMINISTRATION, D. Fruits nutrition fact, 2008.
- [3] FOOD, U., AND ADMINISTRATION, D. Meat nutrition fact, 2008.
- [4] FOOD, U., AND ADMINISTRATION, D. Vegetable nutrition fact, 2008.