

Dataset: [Apple Quality \(kaggle.com\)](https://www.kaggle.com/datasets/applequality/apple-quality)

	Size	Weight	Sweetness	Crunchiness	Juiciness	Ripeness	Acidity	Grade
count	4000.000000	4000.000000	4000.000000	4000.000000	4000.000000	4000.000000	4000.000000	4001.000000
mean	-0.503015	-0.989547	-0.470479	0.985478	0.512118	0.498277	0.076877	0.500875
std	1.928059	1.602507	1.943441	1.402757	1.930286	1.874427	2.110270	0.500062
min	-7.151703	-7.149848	-6.894485	-6.055058	-5.961897	-5.864599	-7.010538	0.000000
25%	-1.816765	-2.011770	-1.738425	0.062764	-0.801286	-0.771677	-1.377424	0.000000
50%	-0.513703	-0.984736	-0.504758	0.998249	0.534219	0.503445	0.022609	1.000000
75%	0.805526	0.030976	0.801922	1.894234	1.835976	1.766212	1.510493	1.000000
max	6.406367	5.790714	6.374916	7.619852	7.364403	7.237837	7.404736	1.000000

Mean

- The size and sweetness of the samples are slightly below average.
- The weight of the samples is significantly below average.
- The crunchiness, juiciness, ripeness, and quality of the samples are all above average.
- The acidity of the samples is slightly above average.

In conclusion, the samples all appear to have good attributes in terms of its crunchiness, juiciness, ripeness, and quality. Size, sweetness, and weight are all below average while the acidity is slightly above average.

Median

- The median size, weight, and sweetness of the samples are slightly below average.
- The median crunchiness, juiciness, ripeness, and quality of the samples are above average.
- The median acidity of the samples is slightly below average.

In conclusion, the samples have good attributes in terms of crunchiness, juiciness, ripeness, and quality, but they are slightly below average in terms of size, weight, sweetness, and acidity.

Standard Deviation

- Size, weight, sweetness, and ripeness have relatively high variability, indicated by their standard deviations.
- Crunchiness and juiciness have moderate variability.
- Acidity has the highest variability among the attributes, as indicated by its highest standard deviation.
- Quality has the lowest variability among the attributes, with a standard deviation close to 0.5.

In conclusion, these standard deviations suggest that there is variability in the dataset across all attributes, with acidity showing the most variation and quality being the most consistent.