**Raisin Data**

**1) Sources**

<https://archive.ics.uci.edu/ml/datasets/Raisin+Dataset>

**2) About**

Images of Kecimen and Besni raisin varieties grown in Turkey were obtained with CVS. A total of 900 raisin grains were used, including 450 pieces from both varieties. These images were subjected to various stages of pre-processing and 7 morphological features were extracted.

**3) Data Description**

1. **ar:** Area gives the number of pixels within the boundaries of the raisin.
2. **peri:** Perimeter measures the environment by calculating the distance between the boundaries of the raisin and the pixels around it.
3. **majorAL:** Major Axis Length gives the length of the main axis, which is the longest line that can be drawn on the raisin.
4. **minorAL:** Minor Axis Length gives the length of the small axis, which is the shortest line that can be drawn on the raisin.
5. **ecc:** Eccentricity gives a measure of the eccentricity of the ellipse
6. **conArea:** Convex Area gives the number of pixels of the smallest convex shell of the region formed by the raisin.
7. **extent:** Gives the ratio of the region formed by the raisin to the total pixels in the bounding box.
8. **class:** Kecimen (0) and Besni (1) raisin.

**4) Data file format**

The file is present in **xlsx format**.