**Context**

This breast cancer databases was obtained from the University of Wisconsin Hospitals, Madison from Dr. William H. Wolberg.

Attributes 1 through 10 have been used to represent instances. Each instance has one of 2 possible classes: benign or malignant.

**Content**

Attribute Domain  
1.Sample code number id number  
2.Clump Thickness 1 - 10  
3.Uniformity of Cell Size 1 - 10  
4.Uniformity of Cell Shape 1 - 10  
5.Marginal Adhesion 1 - 10  
6.Single Epithelial Cell Size 1 - 10  
7.Bare Nuclei 1 - 10  
8.Bland Chromatin 1 - 10  
9.Normal Nucleoli 1 - 10  
10.Mitoses 1 - 10  
11.Class (benign, malignant)

**Class distribution:**

Benign: 458 (65.5%)  
Malignant: 241 (34.5%)

<https://archive.ics.uci.edu/ml/datasets/Breast+Cancer+Wisconsin+(Original)>