Benign_Breast_Tumor_Dataset

This dataset has information of 83 patients from India. This dataset contains patients' clinical history, histopathological features, and mammogram. In the dataset features 2 to 7 are histopathological features and feature numbers 8 to 12 are patient information and clinical history.

P_Code is a patient code, and the mammogram image is also numbered with the same code.

1) P_Code: Patient Code AlphaNumeric

2) cellular_change:

Values-

1. apocrine_metaplasia (1)
2. Grey_white_appearance (64)
3. hyperchromatic_pleomorphic_nuleai_scanty_cytoplasm (6)
4. white_lession (10)
5. yellow_grey_white_appearance (2)

3) signs:

Values-

1. chronic_inflammation (1)
2. clusters_ductal_cell (6)
3. dustructed_lobules (7)
4. fibrocollagenous (3)
5. maintained_lobularity (24)
6. slit_leaf_like (42)

4) histological_classification:

Values:

1. columnar_cell_change (1)
2. two_cell_lining (82)

5) Epithelium:

Values:

1. adenosis with nuclear atypia (6)
2. cuboidal_epithelial (1)
3. epitheliosis (1)

4. fibrosis_with_lymphocytes_neutrophils (7)
5. inner_cuboidal_outer_myoepithelial (68)

6) structure:

Values:

1. congested_blood_vessels (7)
2. dense (5)
3. encapsulated (31)
4. enlarged_terminal_duct (2)
5. round_oval_cell (6)
6. stroma_is_abundant_myxoid_cellular (11)
7. well_circumscribed (21)

7) proliferative_non _proliferative:

Values:

1. no (42)
2. prolifieration_of_ducts (1)
3. yes (40)

8) Age: Numeric

9) Menarcheal_age: Numeric

10) No._of_kids:

Values:

1. 0 (9)
2. 1 (30)
3. 2 (32)
4. 3 (9)
5. 4 (1)
6. Missing Values- 2

11) No._of_abortions:

Values:

1. 0 (52)
2. 1 (28)
3. 2 (1)
4. Missing Values- 2

12) cancer_history:

Values

1. No (83)
2. Yes (1)

13) Class:

Values

1. FCC (22)
   a. Bilateral_FCC (3)
   b. FCC_breast_with_nuclear_atypia (6)
   c. FCC_with_epitheliosis (1)
   d. FCC_with_epitheliosis_ papillomatosis (2)
   e. FCC_with_mastitis (7)
2. Fibroadenoma (31)
   a. Bilateral_fibroadenoma (3)
3. Phyllodes (8)