

[Learning Notes] A Dataset for Breast Cancer Histopathological Image Classification.

10.11

Goal: Image classification,

present the classification performance of baseline pattern recognition system,

→ discriminate between benign & malignant tumors with feature extractors & classifiers

⇒ present an evaluation of different combinations of six different feature descriptors along with 4 different classifiers.

Datasets: Breast Cancer Histopathological Database.

Architecture:

hand-craft features:

1. feature extractor/Descriptor.

(trained with diff textural representations

and keypoint detectors,

LBP/CLBP/LPQ/GLCM/OTMS ...)

+

2. classifier

(4 machine learning,

k-NN, QDA, RF, SVM).

Results: classification

1. Table VII

2. Table IX.