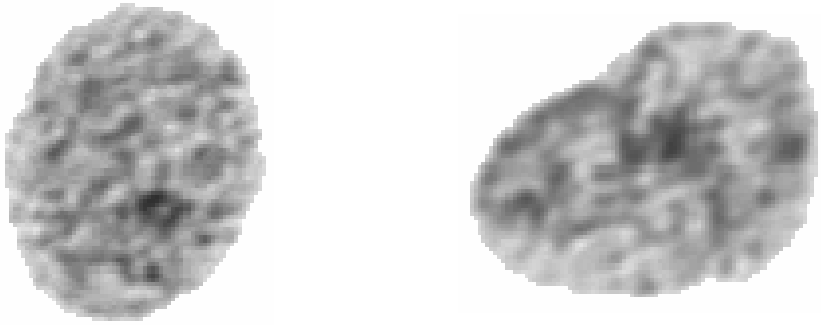
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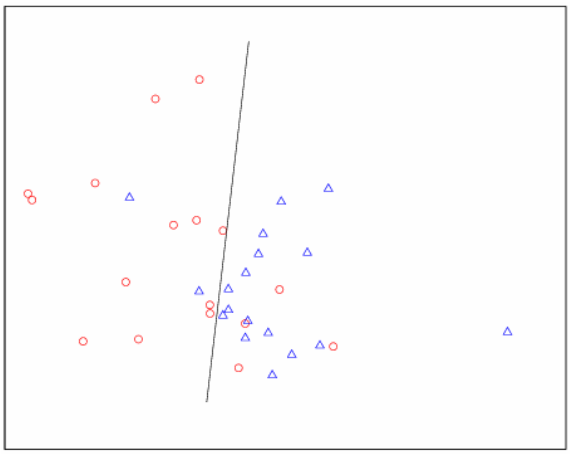
Medical Image Analysis

Diagnosis and prognosis on cancer cell nuclei



Good and bad prognosis of cell nuclei from early stage ovarian cancer

- We work on quantitative analysis of the DNA texture within cell nuclei.
- Separate analysis is performed in the peripheral and central parts.
- A number of texture analysis methods are used, based on statistical relations between pixels in the image, and on fractal parameters.
- Feature selection and classification in high dimensional spaces.
- We have developed methods to compute problem-adaptive low-dimensional features based on class distance matrices.



Prognostic classification of 40 early ovarian cancer patients