



Class05

Advanced Image Processing
Data and Web Mining
Biomedial Image Processing



305541 Data and Web Mining

Data mining terminology and concepts; data preparation process; data mining task analysis; classification and prediction; clustering; genetic algorithms; fuzzy sets; rough sets; artificial neural networks; association and rule generation; frequent itemset algorithms; correlated items; matching and mining event sequences; web content mining; web structure mining; web usage mining

Assignment05

1. Prepare the class project.
2. Present the project idea next Friday



305513 Advanced Image Processing

Multiscale image decomposition and wavelets; image noise models; image edge detection; color and multispectral image representation; multiscale denoising of photographic images; nonlinear filtering for image analysis and enhancement; image quality assessment

Assignment05

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305613 Biomedical Image Processing

Digital signal processing in biomedical work; biomedical data acquisition; biomedical image reconstruction; image processing for biomedical images; computed tomography; Magnetic Resonance Imaging (MRI); other biomedical image modalities

Assignment05

1. Prepare the class project.
2. Present the project idea next Friday