Intelligent Medical Systems

Instructors: Prof. Dimitris Maroulis, Dr. Michalis Savelonas Semester: 3rd Field: Information Technology in Medicine Introduction to intelligent medical systems: motivation, problems, definitions, clinical data. Meth ods for treatment of missing values □□in medical data . Statistical learning theory and machine learning. Feature extraction and selection methods for medical data. Clustering methods. Fuzzy representation of medical parameters Expert systems Heuristic optimization methods and genetic algorithms Hybrid systems

Medical decision support systems. E valuation methods of intelligent medical systems .

ROC curves.
Applications

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