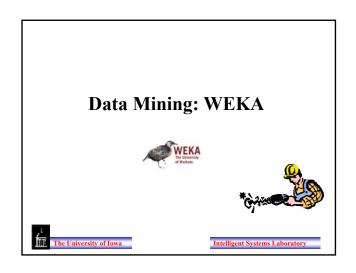


Data Mining Software

- Enterprise-level: (US \$10,000 and more)
 - Fair Isaac, IBM, Insightful, KXEN, Oracle, SAS, and SPSS
- Department-level: (from \$1,000 to \$9,999)
 - Angoss, CART/MARS/TreeNet/Random Forests, Equbits, GhostMiner, Gornik, Mineset, MATLAB, Megaputer, Microsoft SQL Server, Statsoft Statistica, ThinkAnalytics
- Personal-level: (from \$1 to \$999):
 - Excel, See5, MATLAB
- Free:
 - C4.5, R, Weka, Xelopes



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Outline

- •Data preparation
- •Preprocessing and "arff" files
- •Filters, classifiers, and visualization
- Attribute selection
- •Training and testing
- •Quality measurements
- •Interpretation of results



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Data Mining Procedures

- Prepare the data into desired formats
- Preprocess the data if necessary
- Select different algorithms based on application or domain expertise
- Evaluate the results and repeat experiments again if necessary



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