

# Current state and future challenges in Optional Weaving

Constanze Michaelis

Student Conference on Software Engineering and Database Systems

June 27, 2009

# Data Preparation

49 Attributes, 101.000 Instances

Reasons for attribute removal:

1. **Uniqueness**
2. **Missing Values**
3. **Unequal Distribution**
4. **Single Attribute**

No instance was removed

# Choice of Algorithms

Algorithms:

- Naive Bayes
- SVM
- YATSI
- Decision Table

# Implementation

Choice of libraries:

- weka
- libSVM
- collectiveClassifiers

# Experiments

- Percentage-Split / Cross-Validation
- Classification Accuracy
- two additional data sets:
  - 2-class data set
  - even class data set

# Results