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| **Title** | **Algorithm** | **Results** |
| Vulnerability Identification and Classification Via Text Mining Bug Databases [1] | Bayesian detection | 28% to 88% HIBs |
| Comparing Hierarchical Dirichlet Process with Latent Dirichlet Allocation in Bug Report Multiclass Classification [2] | Latent Dirichlet Allocation,  Hierarchical Dirichlet Process | -- |
| Bug Detection through Text Data Mining [3] | Matching and mining techniques | -- |
| Combining Text Mining and Data Mining for Bug Report Classification [4] | Multinomial Naive Bayes classifier | 73.9% to 80.2% |
| Determining Bug Severity using Machine Learning Techniques [5] | Machine Learning Techniques | 70% to 75.10% |
| Mining Bug Databases for Unidentified Software Vulnerabilities [6] | Bayesian detection | 62% |