

# Improving Bug Prediction Accuracy by Regularization and Hyperparameter Optimization

Haidar Osman  
Mohammad Ghafari  
Oscar Nierstrasz

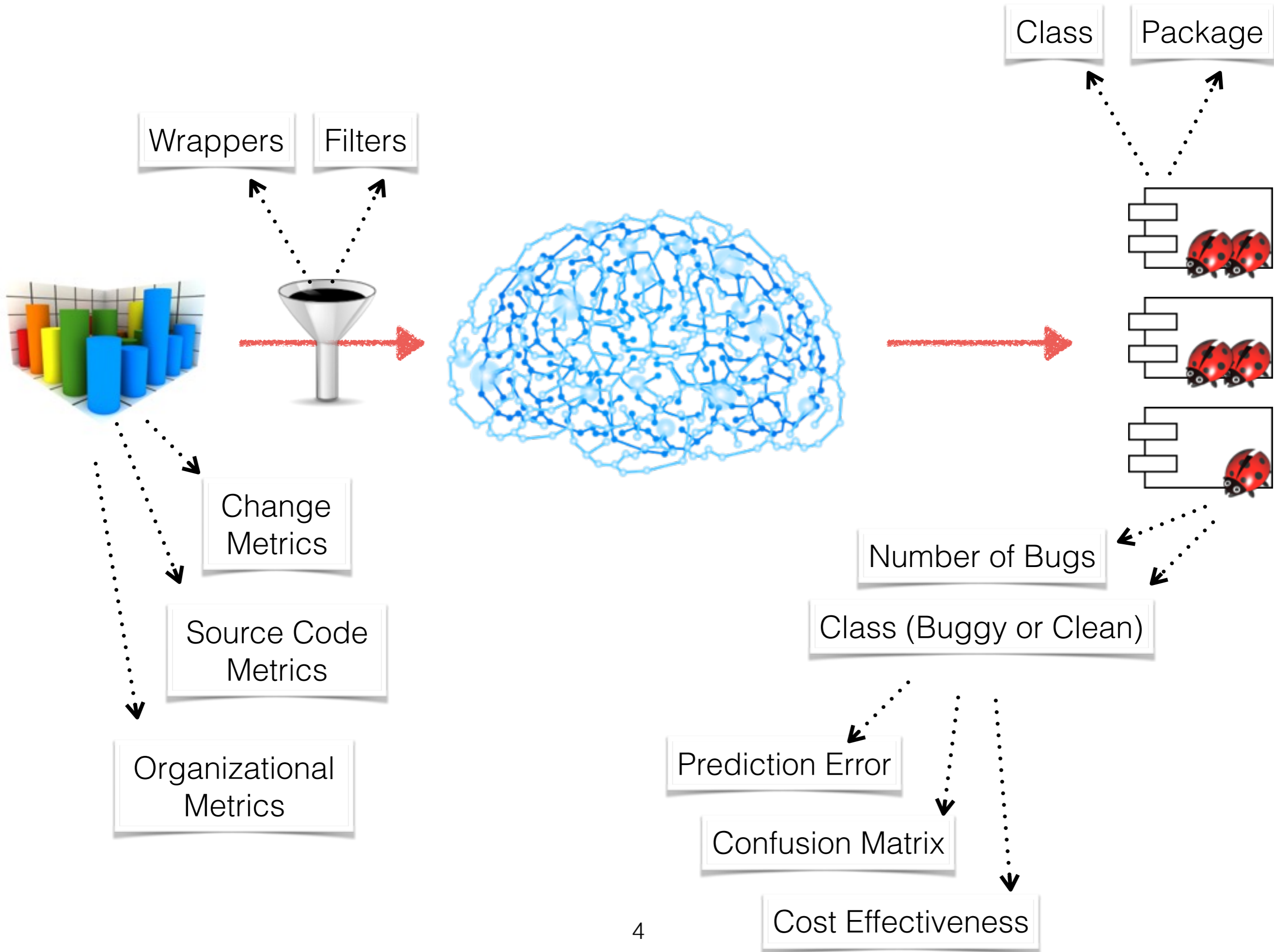


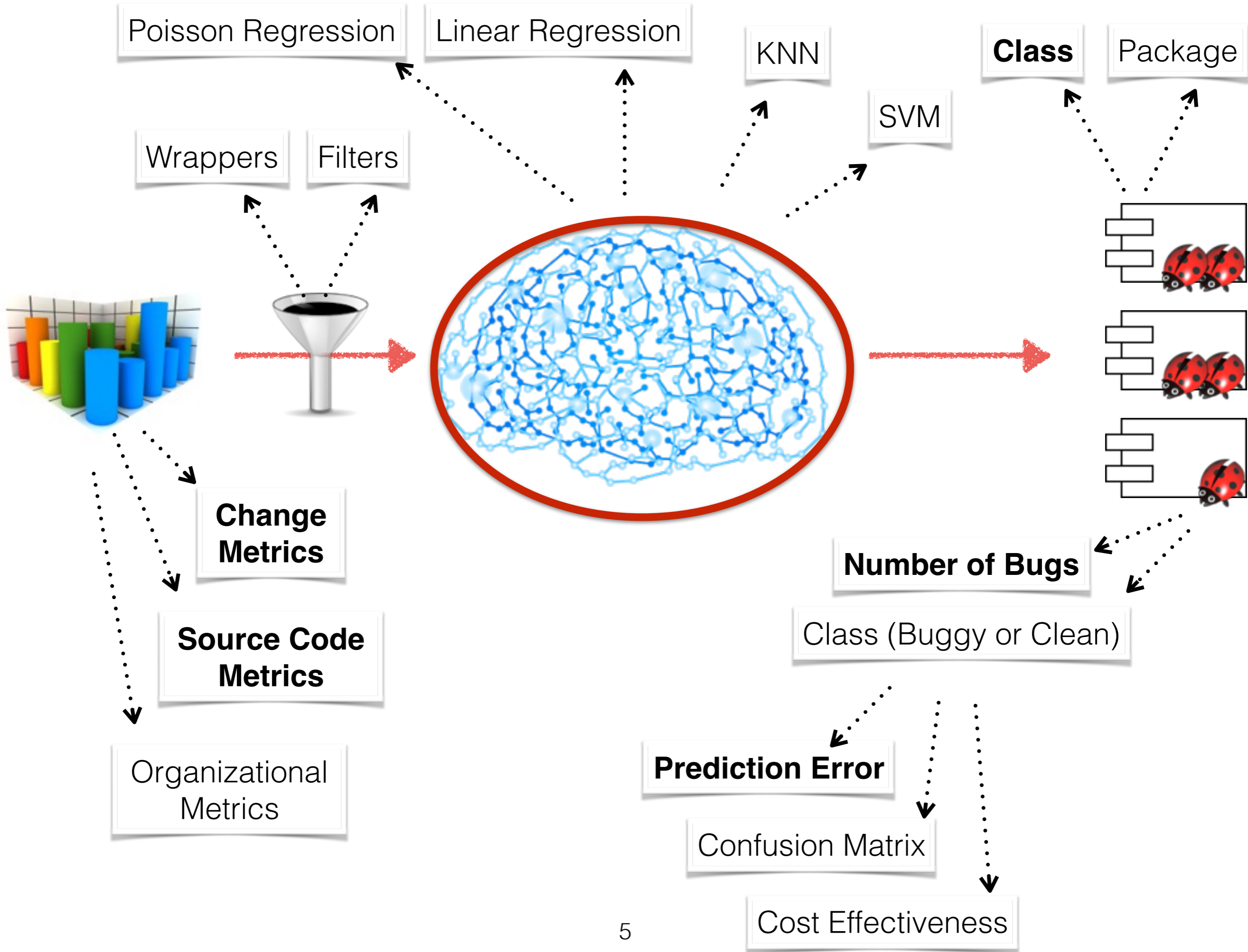
# Improving Bug Prediction Accuracy by **Regularization** and **Hyperparameter Optimization**

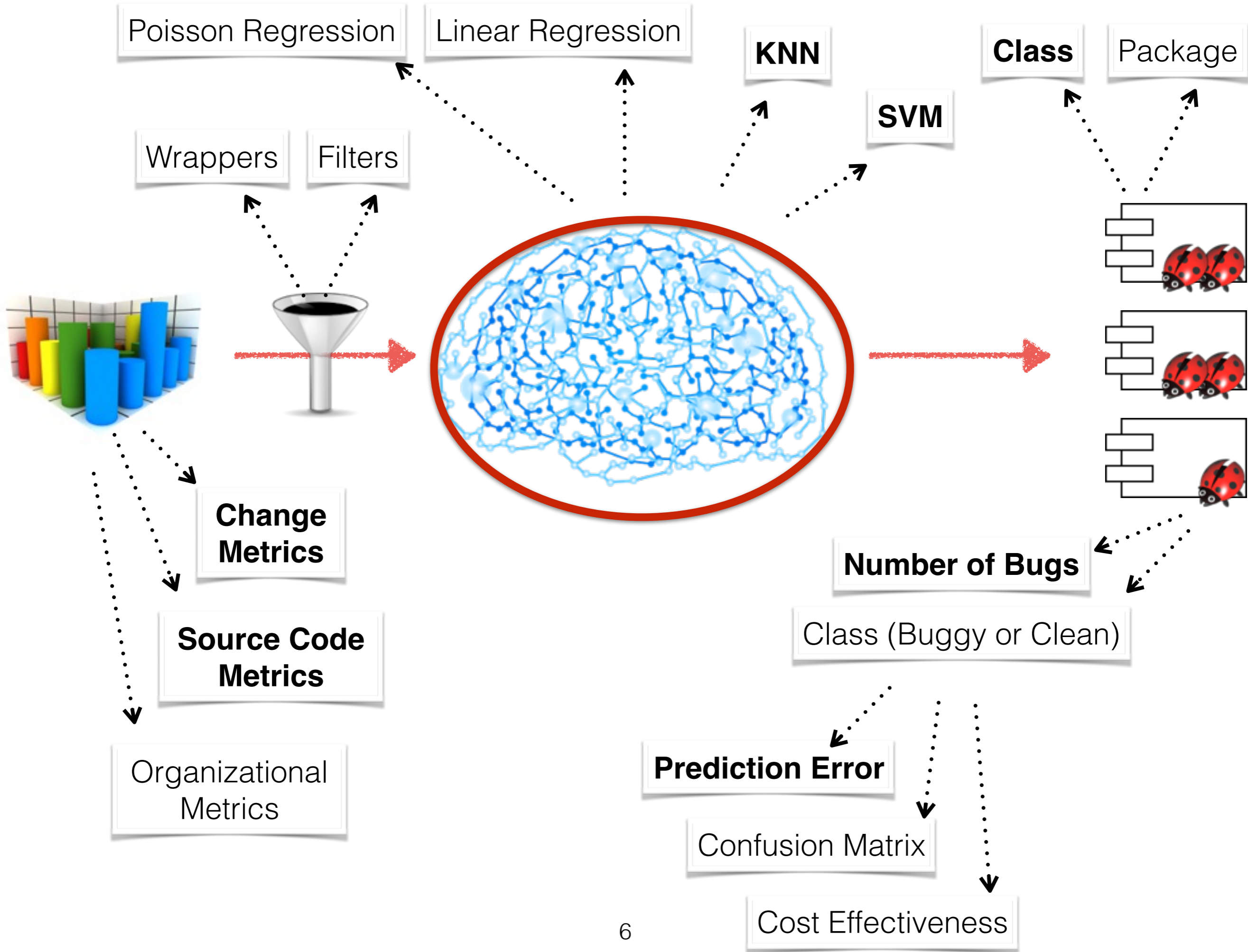
Haidar Osman  
Mohammad Ghafari  
Oscar Nierstrasz



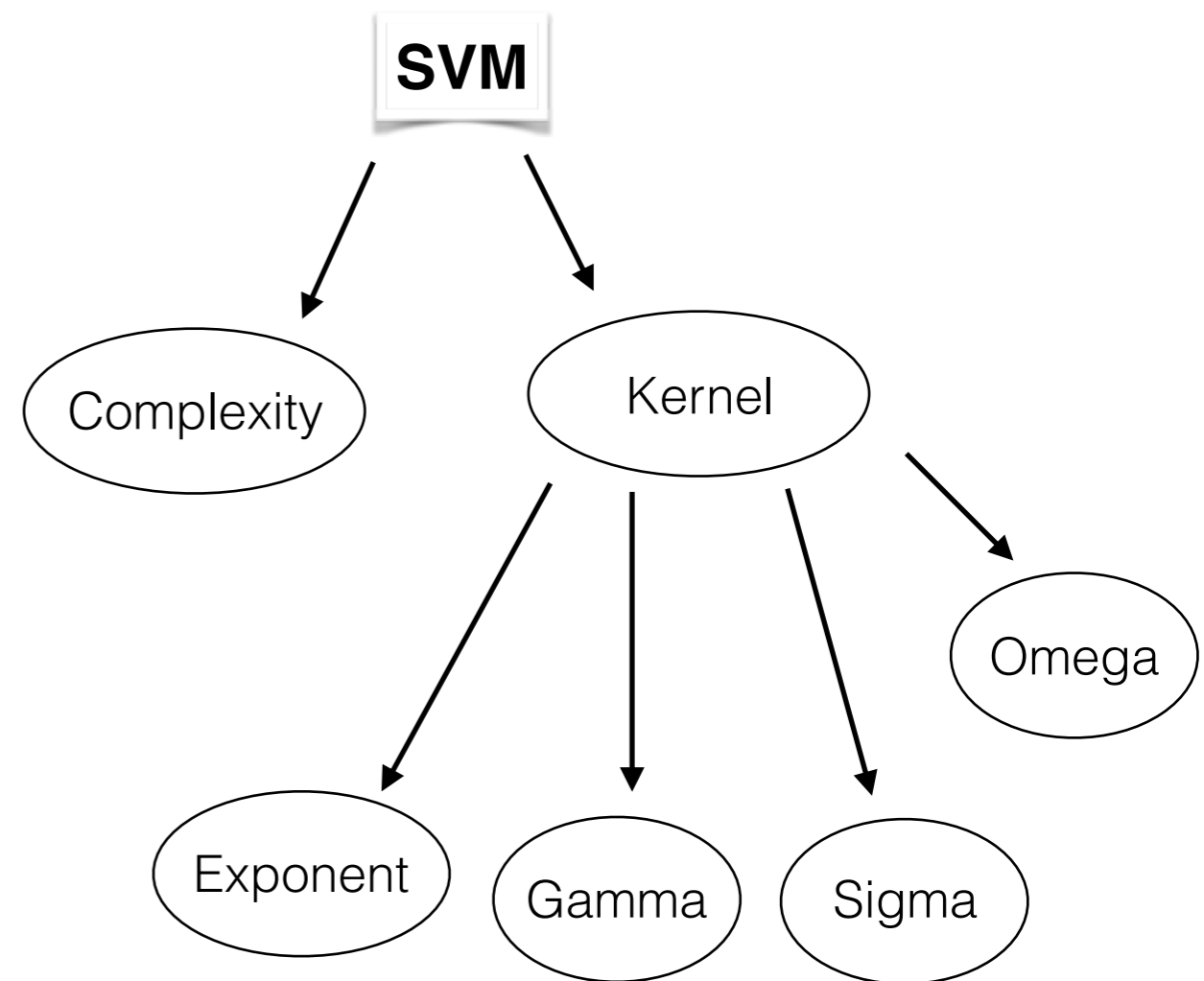
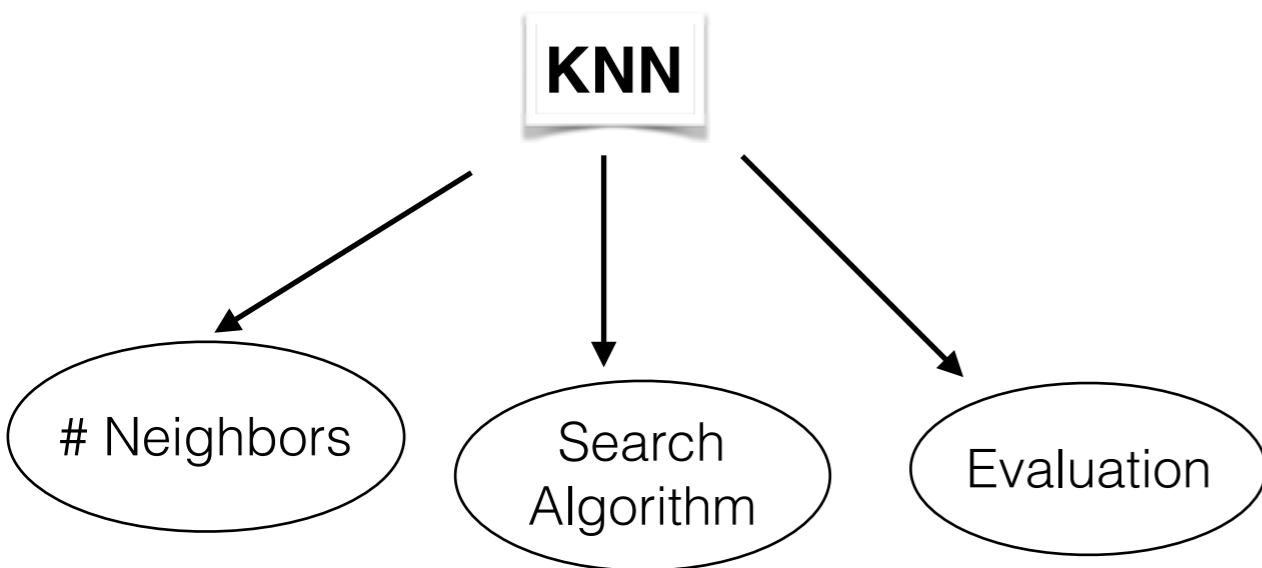


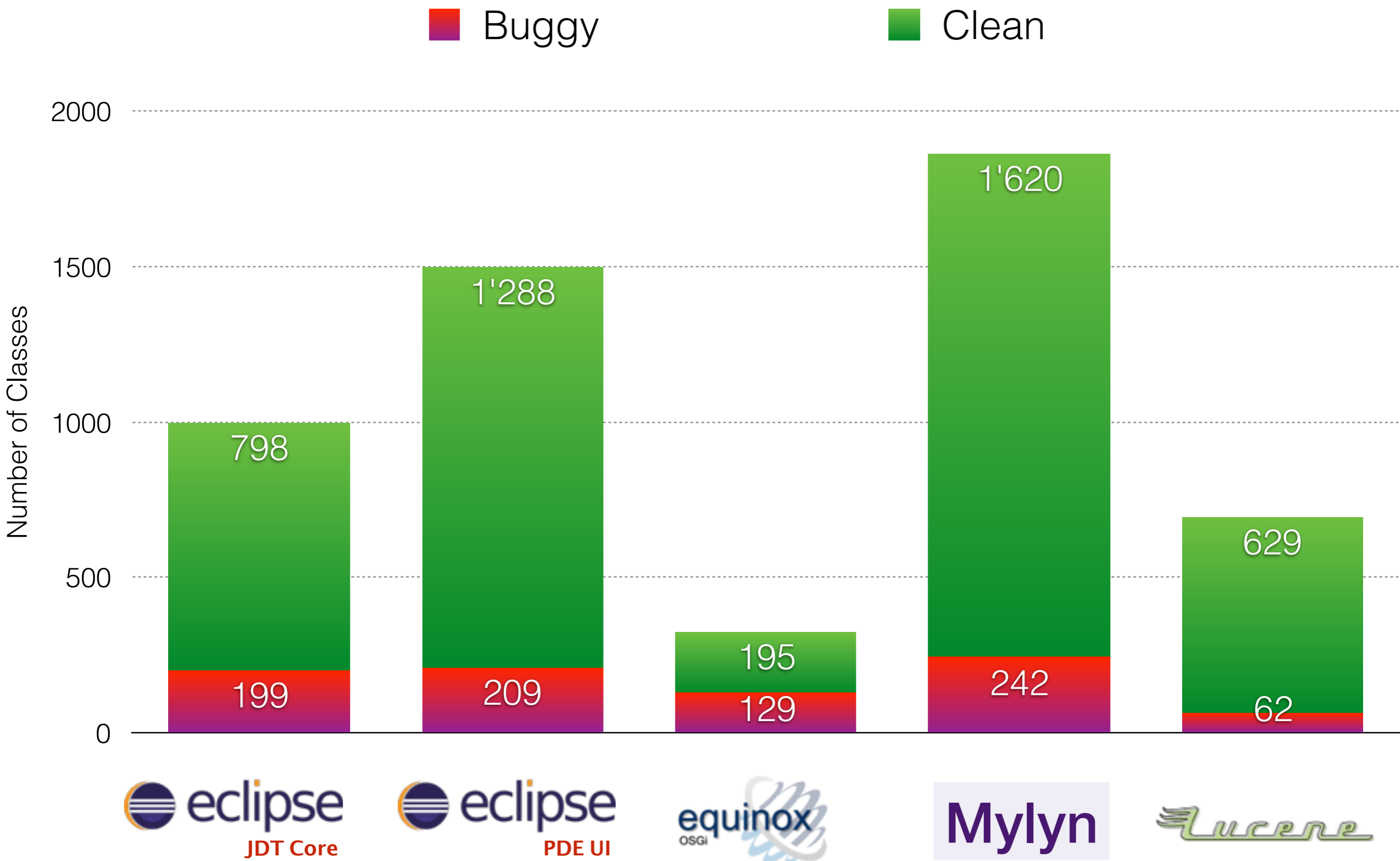






# Hyperparameters



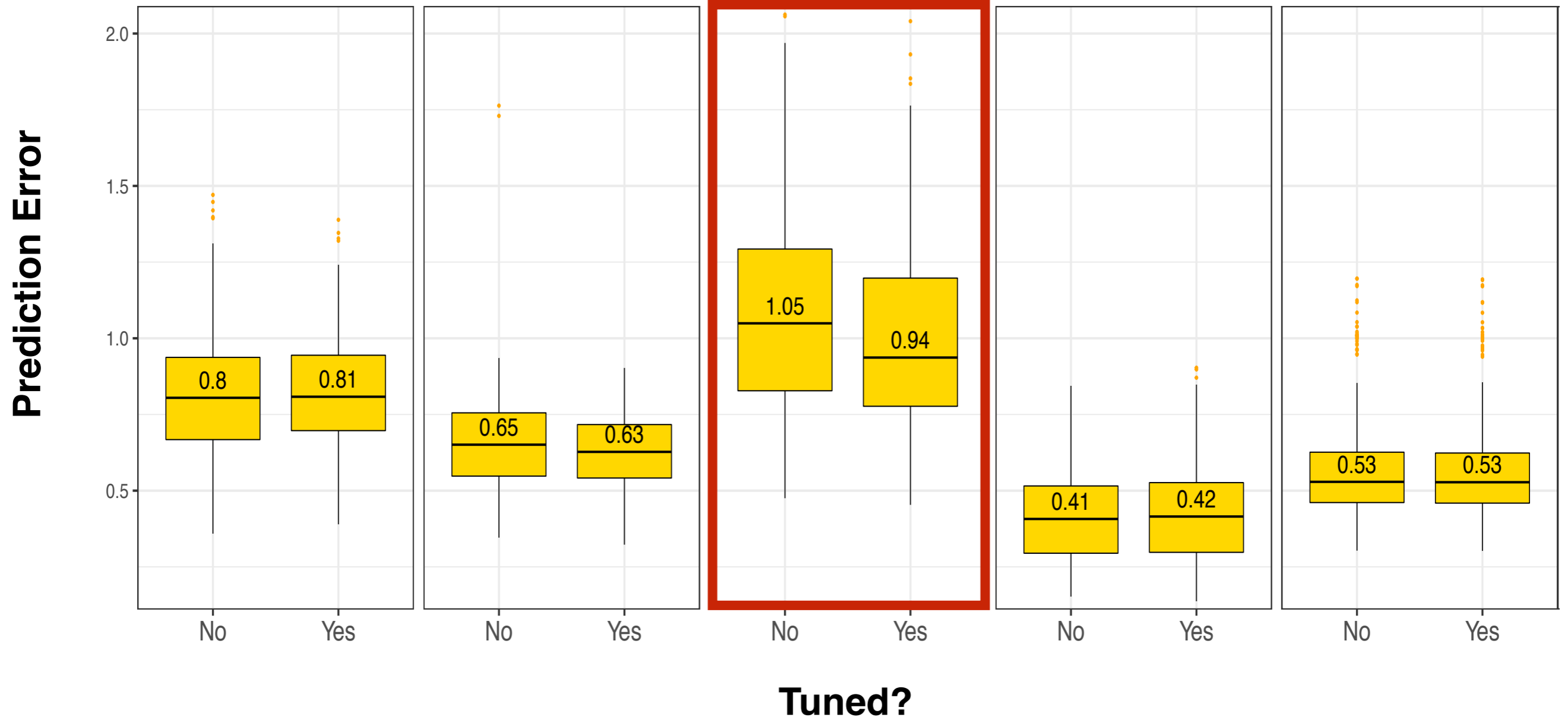




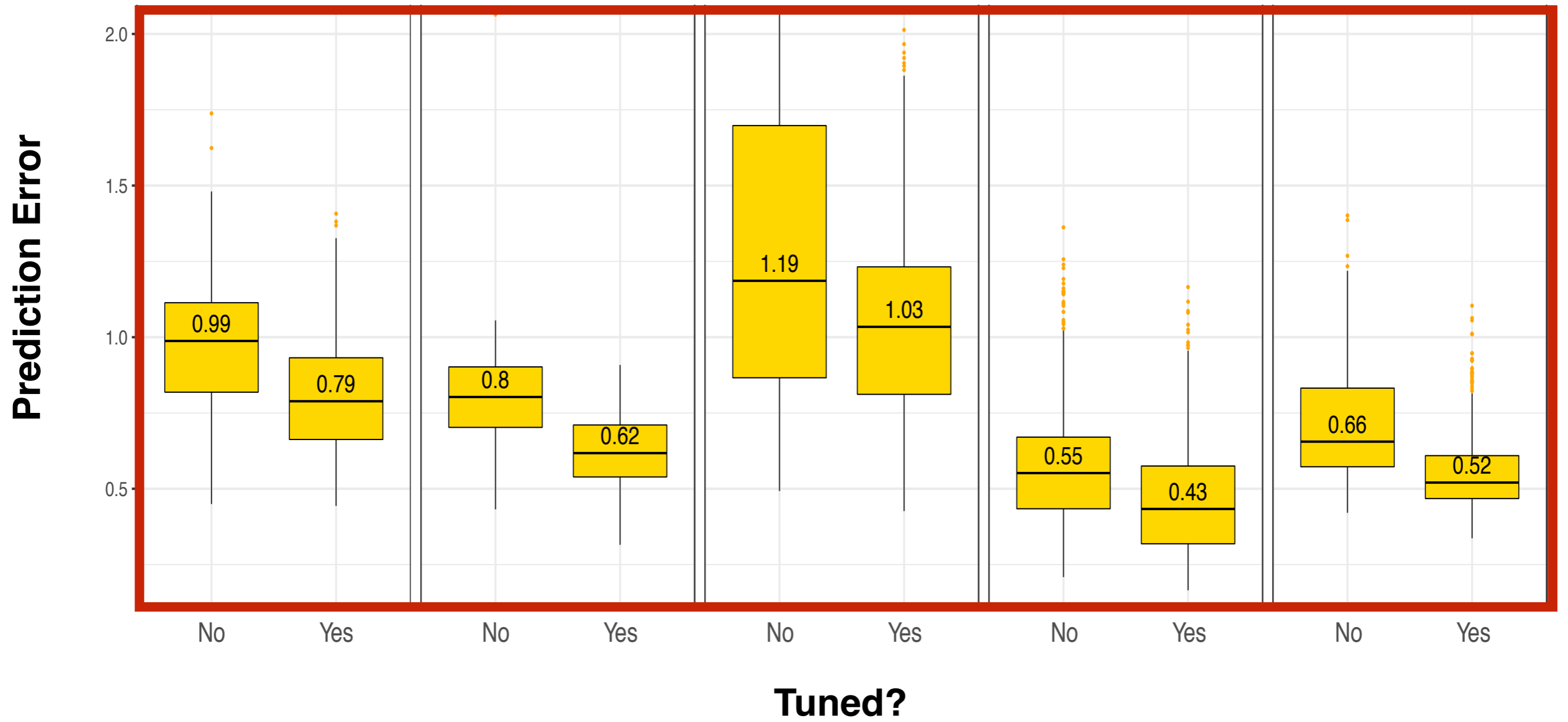
# SVM

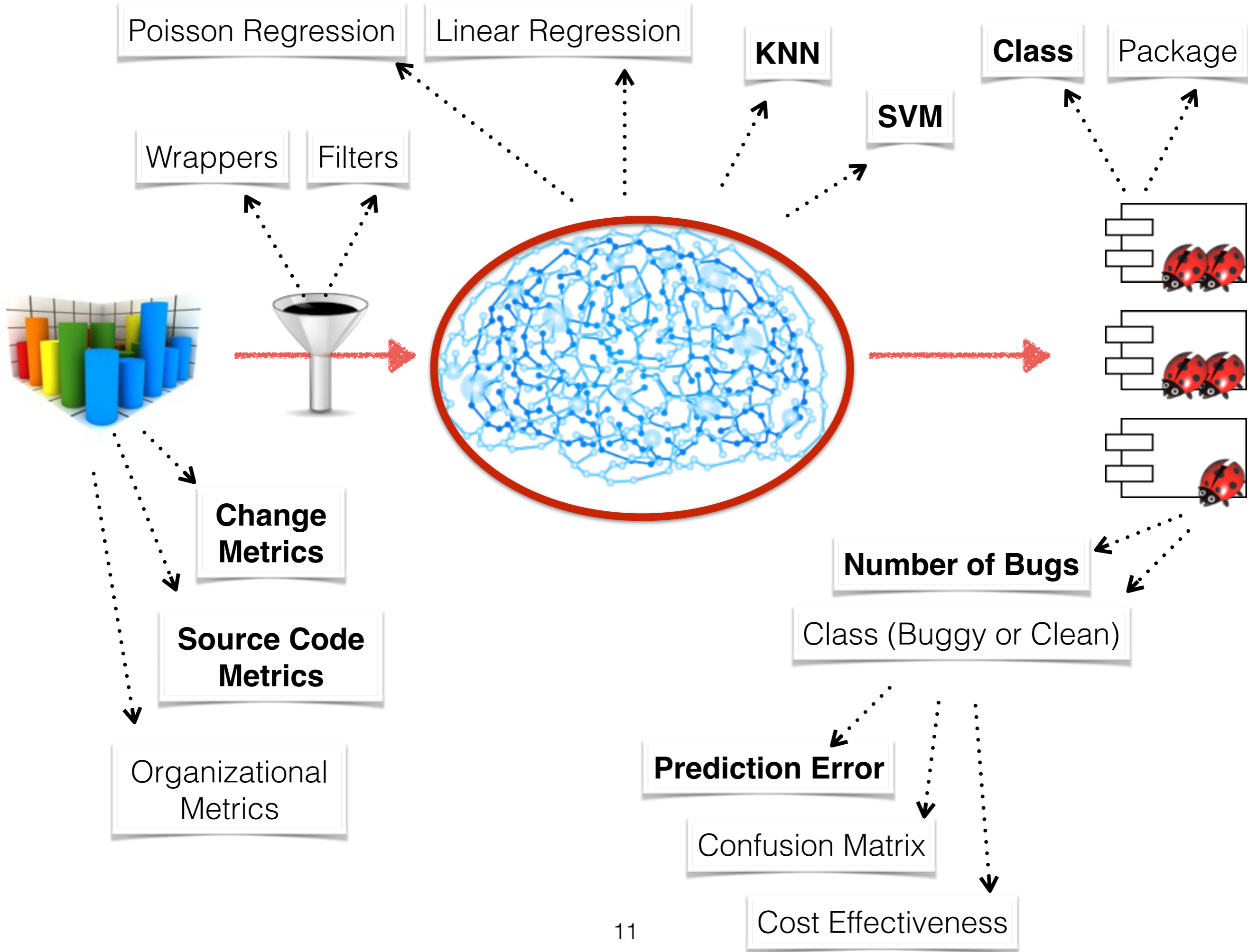


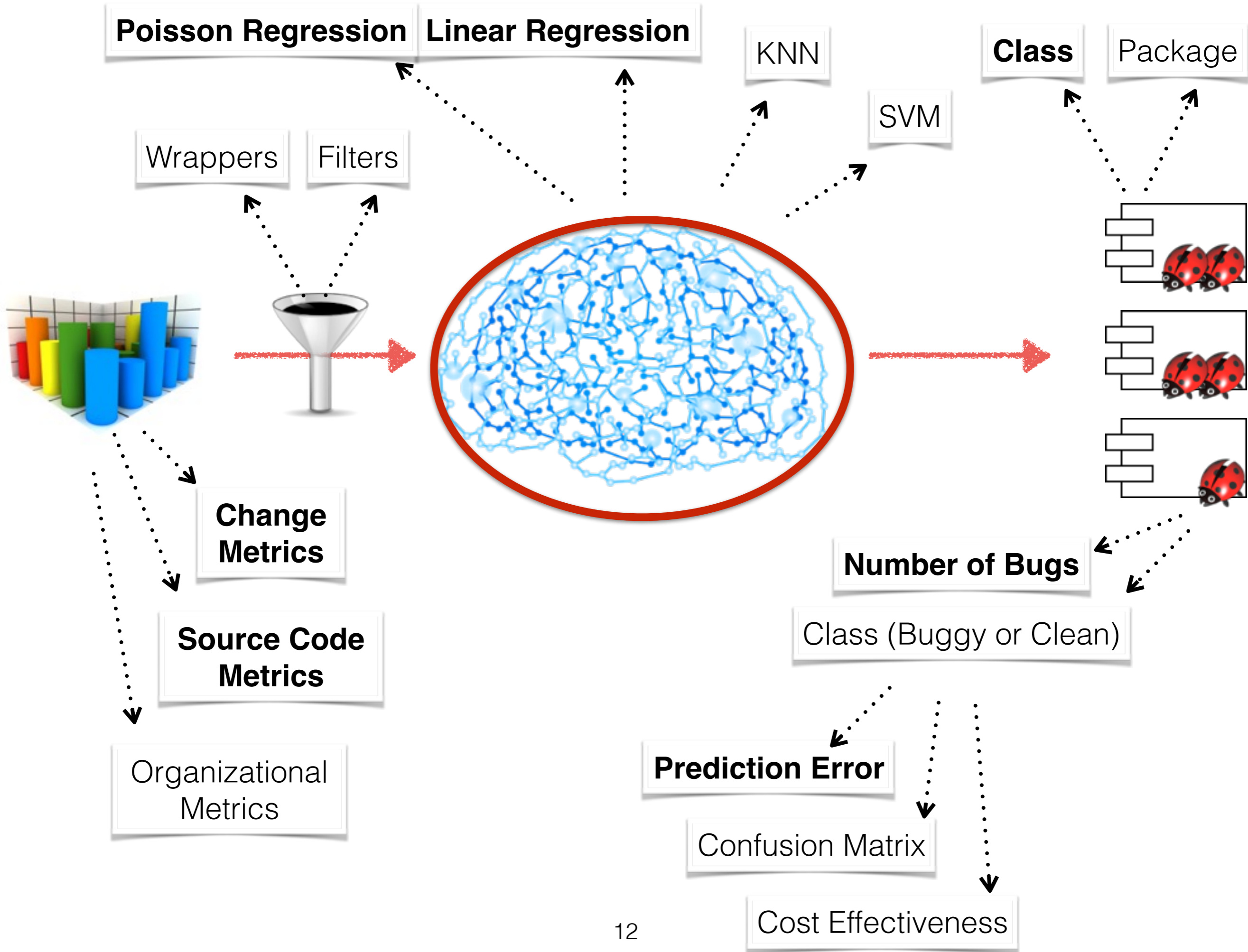
Mylyn

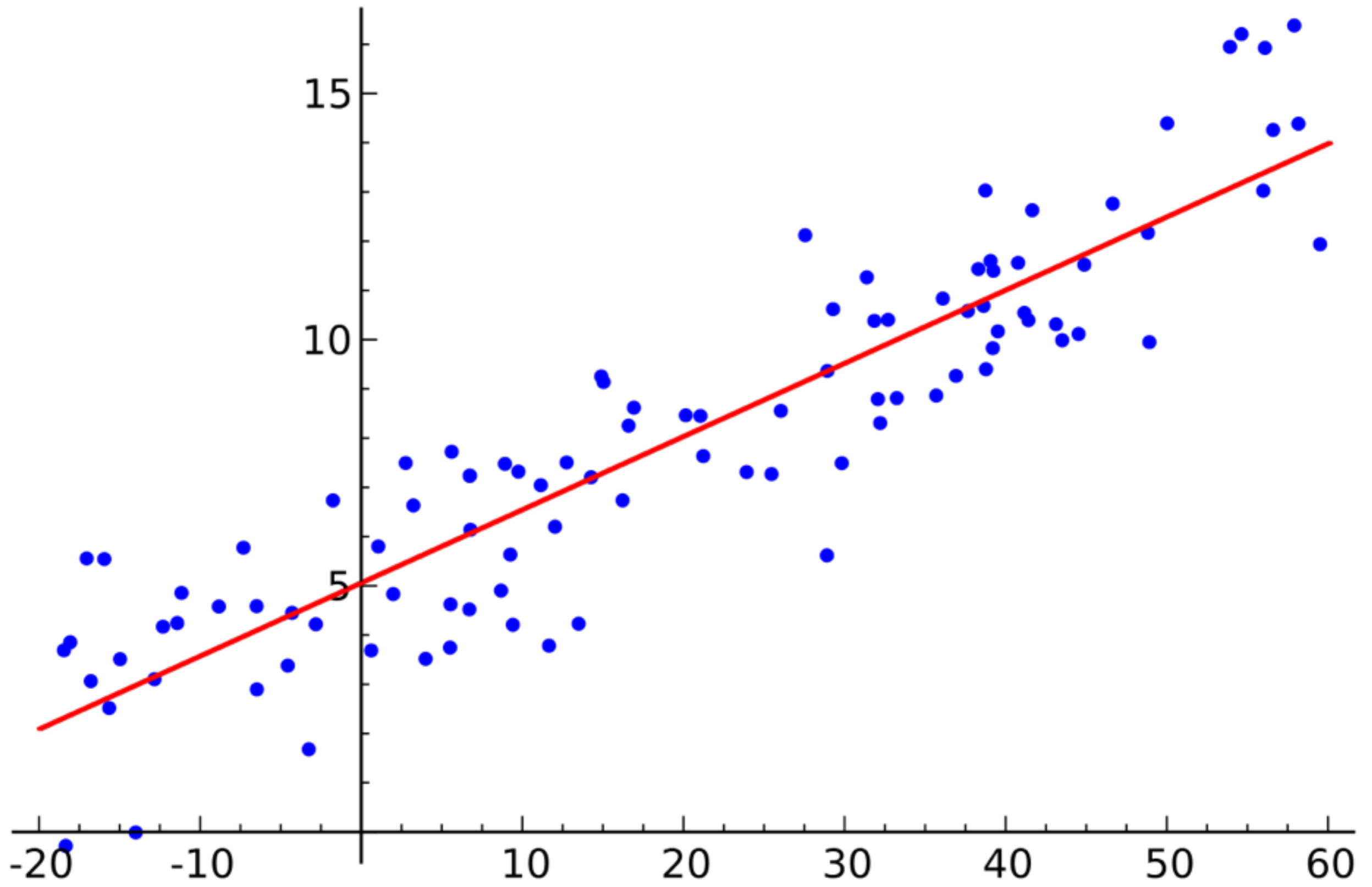


# KNN

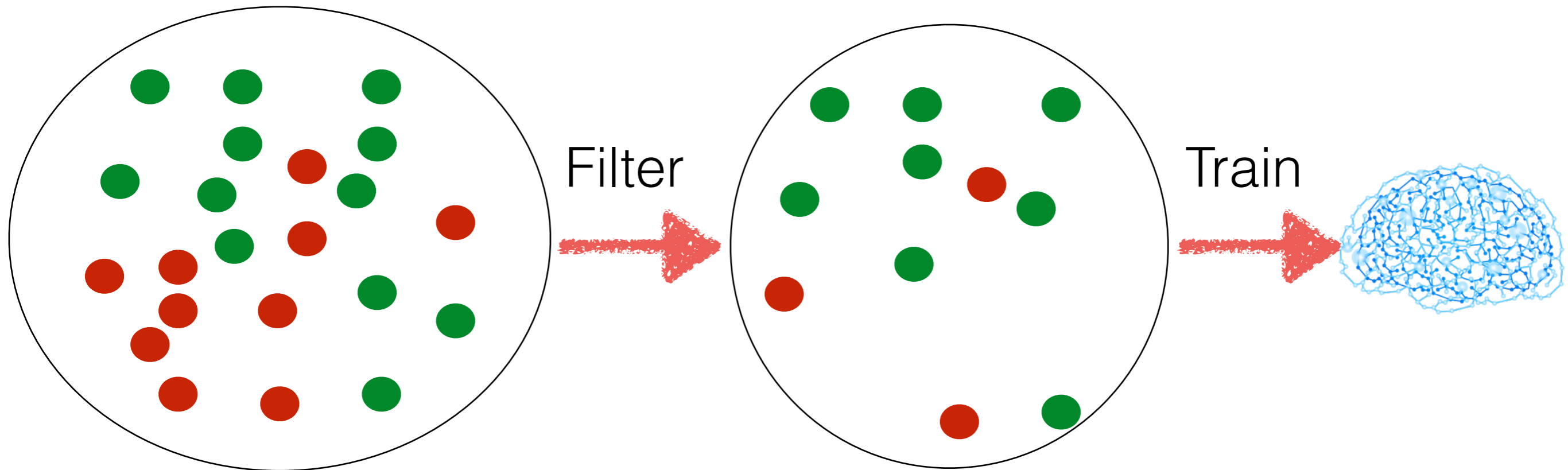




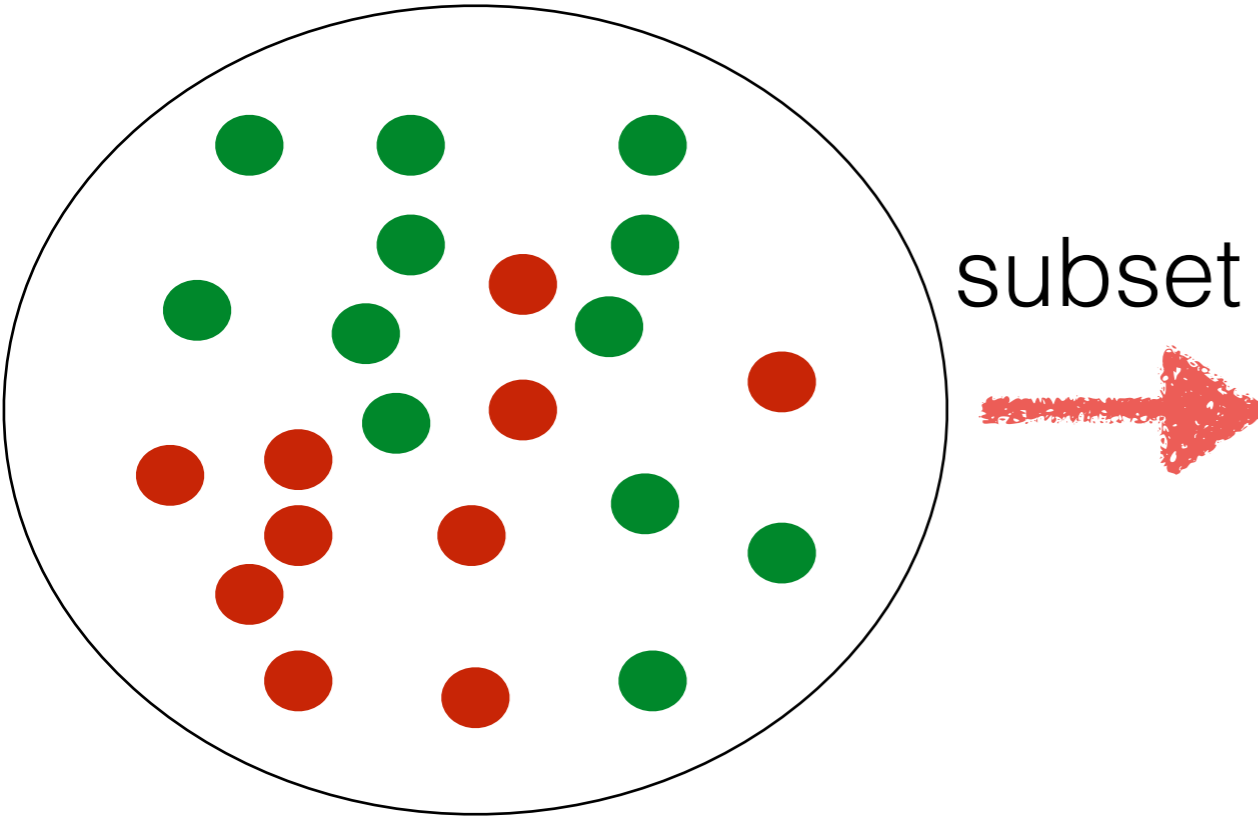




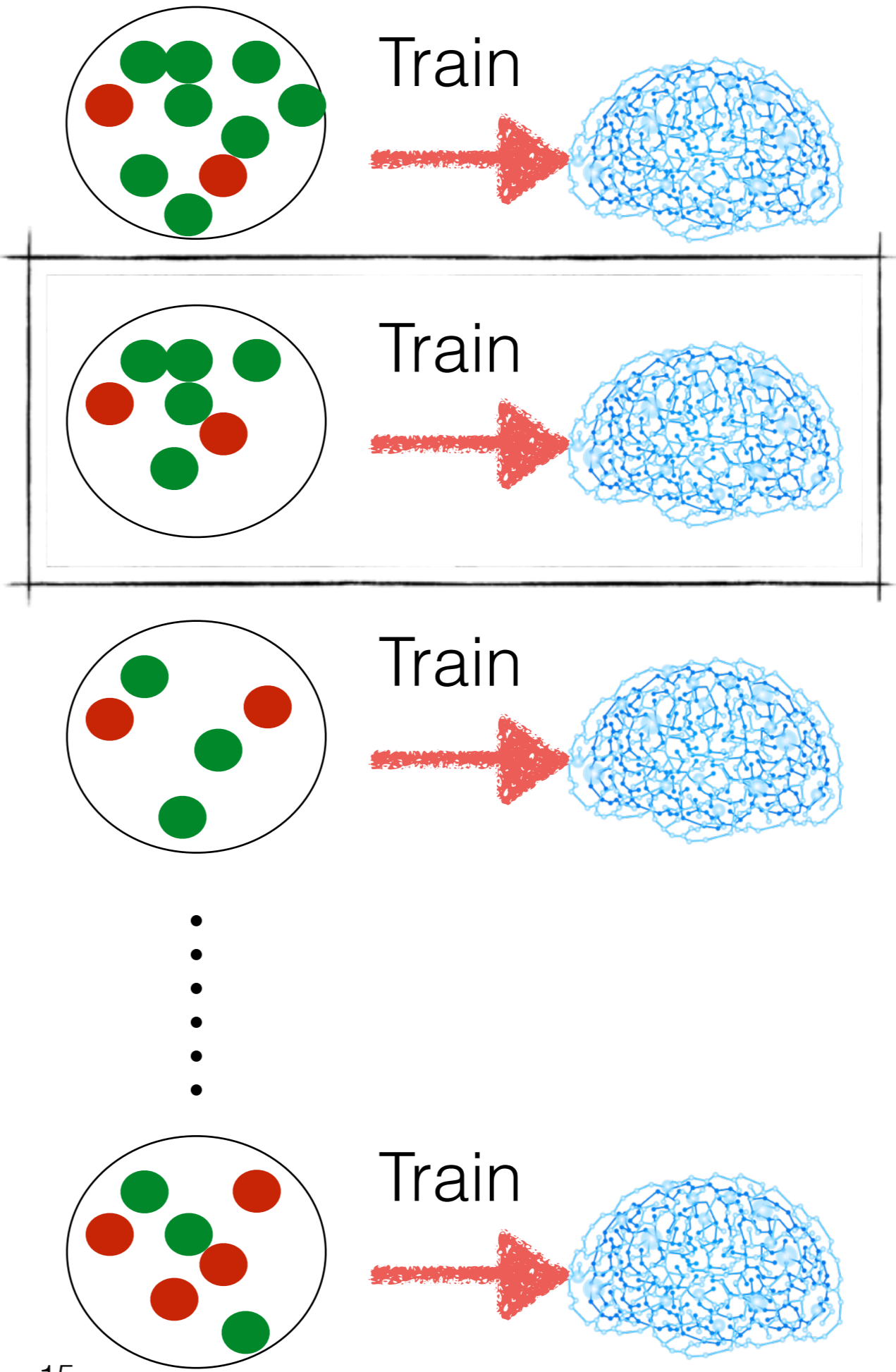
# Filter Feature Selection



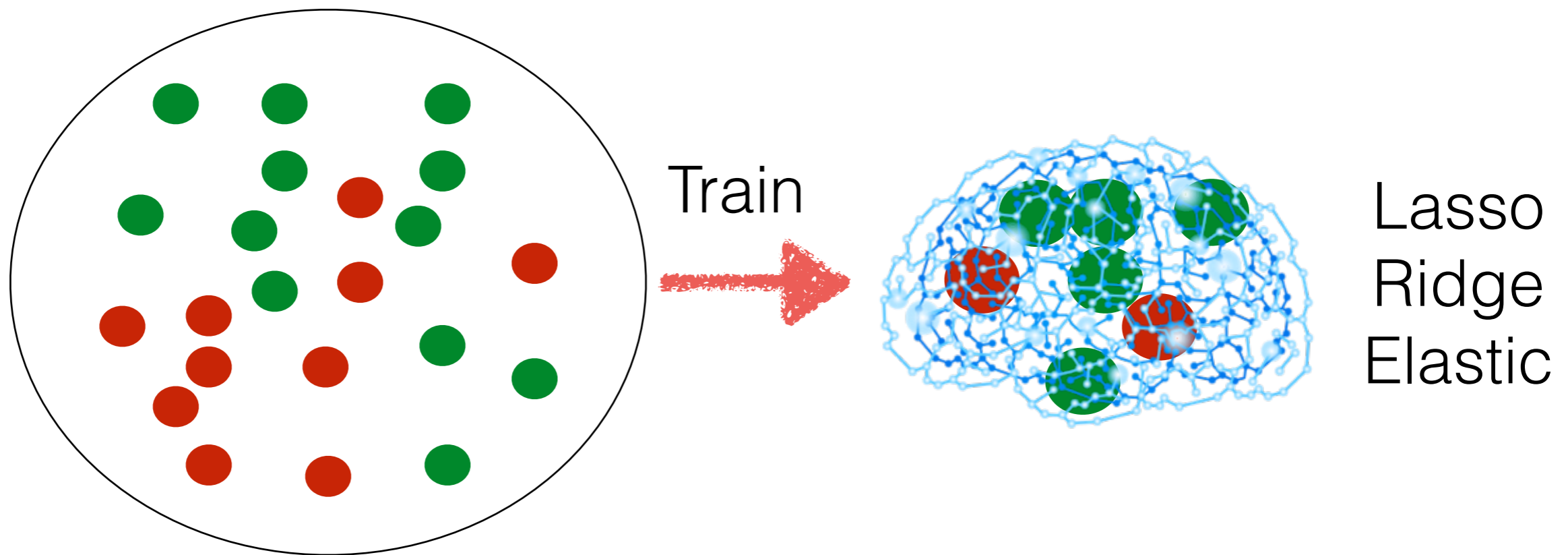
# Wrapper Feature Selection



subset



# Embedded Feature Selection

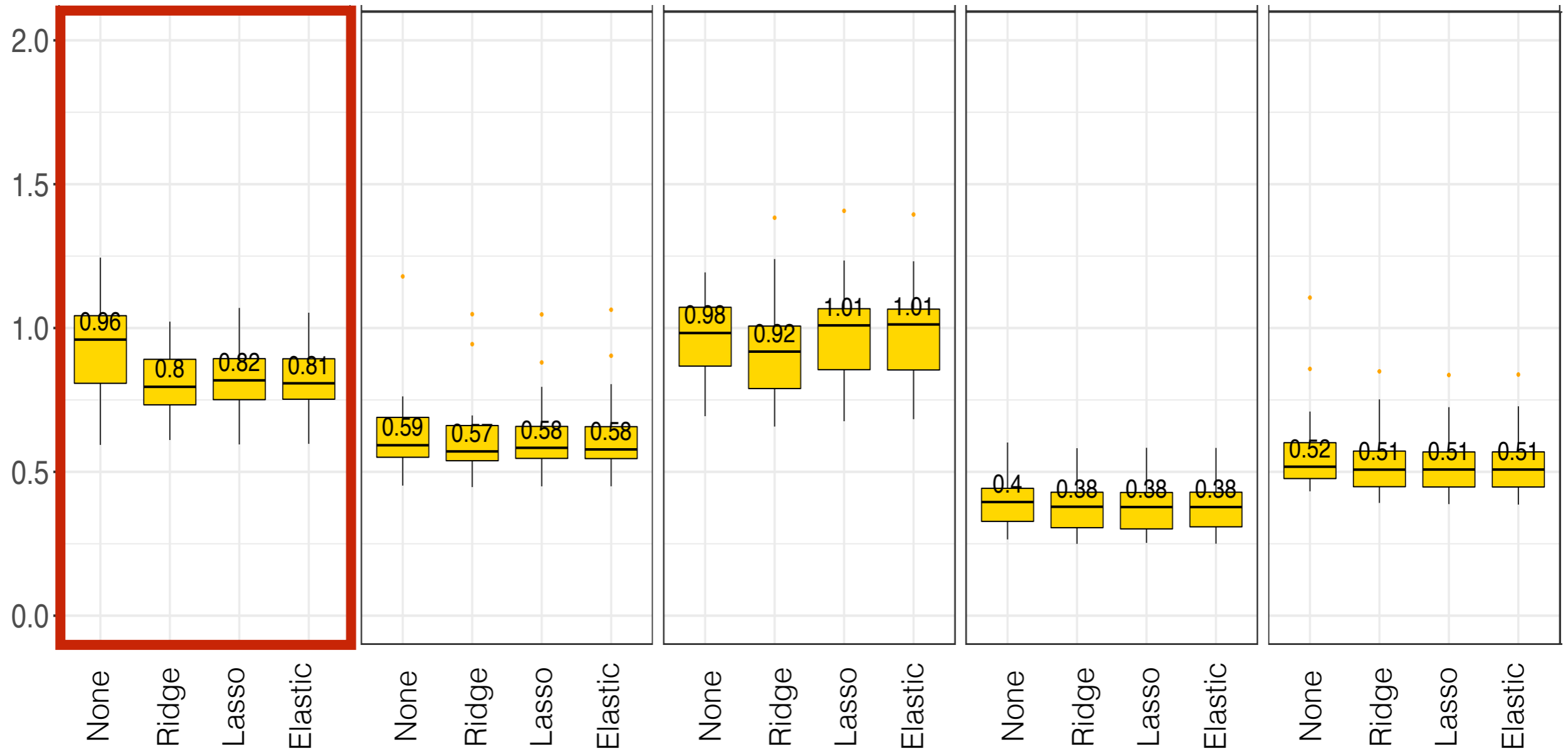




# Linear Regression



Mylyn



# Poisson Regression

