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Approximation, learning, generalization: the global picture

	approximation	learning	generalization
Large train set		worse	better
Large weights	better	?	worse
Large model	better	better	worse











Reliability in machine università learning **DI SIENA** Predictive models (bayesian models, autoencoder) Model trainset distribution Predict the probability that a pattern is generated from the same distribution as that of training set Good to recognize outliers Good for verification problems Discriminative models (common neural networks, SVMs,..) Do not model trainset distribution Predict the most probable class (or targets) Good for classification problems































