Design Machine Learning System

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| Example Building spam Classifier |
| Save time by   1. Collect lots of data 2. Develop sophisticated features based on email routing information 3. Develop sophisticated features for message body 4. Develop sophisticated algorithm to detect misspellings   https://d3c33hcgiwev3.cloudfront.net/imageAssetProxy.v1/Ys5NKOLJEeaPWBJZo44gSg_aba93cf4ce4507175d7e47ab5f9b7ce4_Screenshot-2017-01-24-22.29.45.png?expiry=1535760000000&hmac=g6RIPurLh2iSh_KWmaCP1x9Yah-Km-gpPqnKFHmz5nY |
| Error Analysis |
| 1. Look at misclassified example, find patterns in them 2. Have a numerical evaluation of the learning algorithm |
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