Machine Learning
A vs B

Dell Zhang
Birkbeck, University of London
To Be

Not To Be
Machine Learning

- Labelling | Coding | Learning
- Representation | Evaluation | Optimisation
- Training | Validation | Testing
Machine Learning

- Supervised | Unsupervised
- Underfitting | Overfitting
- Bias | Variance
- Discriminative | Generative
Machine Learning

• Feature Engineering | Model Design
• Low Dimensional | High Dimensional
Machine Learning

• Better Algorithms | More Data
• Small Data | Big Data
Machine Learning

- Algorithmic | Statistical
- Frequentist | Bayesian
- Parametric | Nonparametric
Machine Learning

- Shallow | Deep
- Individual | Ensemble
- Correlation | Causality