

Lecture 1

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1 Machine Learning

A program is said to learn from experience E with respect to some task(s) T and performance measure P , if its performance at tasks in T , measured by P , improves with E .

There are three main types:

- Supervised
- Unsupervised
- Reinforcement Learning

2 Big Data

2.1 Bonferroni's Principle

A risk when data-mining big data is that you will “discover” patterns that are meaningless. Known as Bonferroni's principle:

(roughly) if you look in more places for interesting patterns than your amount of data will support, you are bound to find crap.