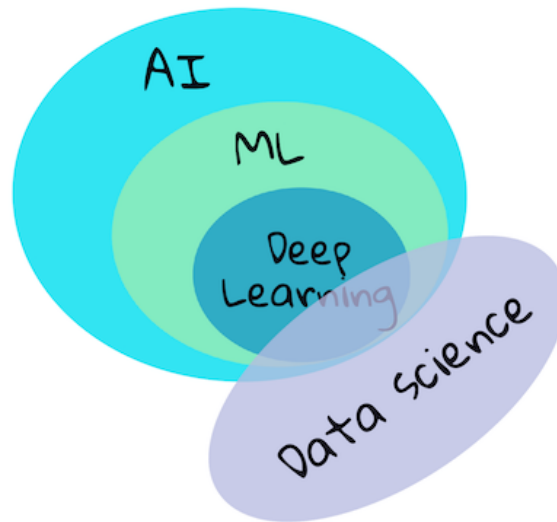


Machine Learning

Introduction

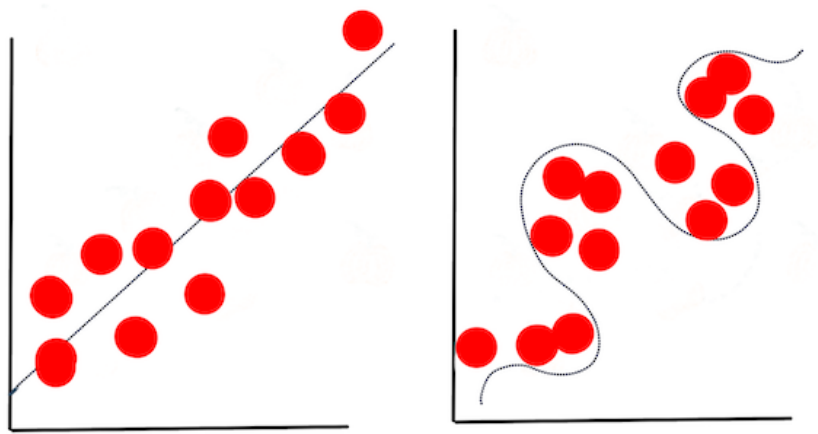
- ML is subset of artificial intelligence(AI). Deep Learning is subset of ML.



- Process of creating Machine Learning
 - (1) Decide on the question
 - (2) Collect and prepare data
 - (3) Choose a training method
 - (4) Train the model
 - (5) Evaluate the model
 - (6) Predict
- Building a model
 - Decide on a training method by from several different training methods
 - Train a model (model fitting)
 - Evaluate the model by using test data
- Underfitting is the problem because of insufficient training
- Overfitting is the problem because of being trained too well

Regression

- Regression model can help determine the relationship between variables
- The major three types of regression are linear, polynomial and logistic regression
- Preparation of data
 - What type of ML algorithms we need depends on our question for data
 - The quality of answer for question depends on the nature data



Correct vs overfit model

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