

What is Machine Learning?

"The field of study that gives computers the ability to learn without being explicitly programmed."

- Arthur Samuel

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

- Tom Mitchell

• Supervised Learning (지도학습)

given a dataset and already know what our correct output should look like. 정답이 주어짐

- Regression 회귀

- Classification 분류

• Unsupervised Learning (비지도학습)

allows us to approach problems with little or

no idea what our results should look like.

- Clustering → 321

- Non-Clustering