Bociat Daniel-Tiberiu

Unsupervised learning

1. Clustering

Grouping related [**examples**](https://developers.google.com/machine-learning/glossary#example), particularly during [**unsupervised learning**](https://developers.google.com/machine-learning/glossary#unsupervised_machine_learning). Once all the examples are grouped, a human can optionally supply meaning to each cluster.

1. Visualization

Data visualization or just visualization is the representation of data or information in a graph, chart, or other visual format.

1. Dimensionality reduction

Decreasing the number of dimensions used to represent a particular feature in a feature vector, typically by converting to a categorical feature represented as a continuous-valued feature (embedding).

1. Feature extraction

Retrieving intermediate feature representations calculated by an [unsupervised](https://developers.google.com/machine-learning/glossary#unsupervised_machine_learning) or pretrained model for use in another model as input.

1. Anomaly detection

The process of identifying [**outliers**](https://developers.google.com/machine-learning/glossary#outliers), values that seem to out of place.

1. Association rule learning

Association rule learning is a [rule-based machine learning](https://en.wikipedia.org/wiki/Rule-based_machine_learning) method for discovering interesting relations between variables in large databases. It is intended to identify strong rules discovered in databases using some measures of interestingness.

(<https://developers.google.com/machine-learning/glossary#c>)

(<https://www.import.io/post/what-is-data-visualization/>)

(<https://en.wikipedia.org/wiki/Association_rule_learning>)