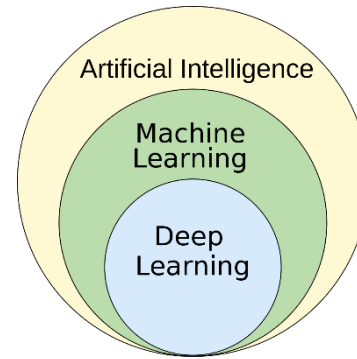
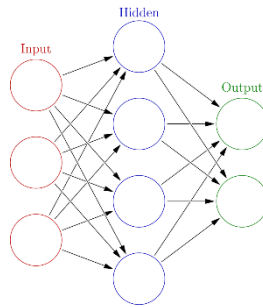


Machine Learning

1. **Open** Google's Teachable Machine.
2. **Decide** on two categories for your algorithm to learn to classify.
3. **Upload** pictures that fit your categories.
4. **Train** your model.
5. **Test** your model.

Neural Network

Deep learning algorithms learn by processing examples, which contain a known "input" and "result", forming probability-weighted associations between the two. Error rates are calculated based on correct predictions. Weighted associations are adjusted until an acceptable level of error is obtained.



A type of Artificial Intelligence

In *supervised* machine learning, algorithms build a model based on sample data, in order to make predictions without being explicitly programmed to do so. In *unsupervised* machine learning, the algorithm is designed to detect subtle patterns or connections.

NAVY NOTES



Satellites gather an immense amount of data each day. Machine learning can be used to filter through images and signals to reduce workload on Navy personnel while also providing an enhanced level of accuracy.