

Machine Learning Resources

Here is a list of different sites demonstrating machine learning:

- Recognize emotions in pictures- <https://azure.microsoft.com/en-us/services/cognitive-services/face/#demo>
 - Digit drawer/recognizer- <http://scs.rverson.ca/~aharley/vis/fc/>
 - Machine Learning Experiments - <https://experiments.withgoogle.com/collection/ai>
 - Teachable Machine- <https://teachablemachine.withgoogle.com/v1/> (must run in Chrome!)
 - Drawing different objects-
 - https://magenta.tensorflow.org/assets/sketch_rnn_demo/index.html
 - <https://quickdraw.withgoogle.com/>
 - <https://www.autodraw.com/>
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- Biases in Datasets - <https://pair.withgoogle.com/explorables/hidden-bias/>
 - Marl/O - Machine Learning for Video Games- <https://www.youtube.com/watch?v=qv6UVOQ0F44>
 - ML Algorithm Visualizations
 - <http://vision.stanford.edu/teaching/cs231n-demos/knn/>
 - <https://cs.stanford.edu/people/karpathy/convnetjs/>
 - Free Smartphone Apps-
 - Download **Bing Search**- You can take a picture and it will pull up similar searches to try to help you find what you are looking for.
 - Download **Text to Speech!**- Takes text and outputs a voice

Session Activity

- <http://playground.tensorflow.org/#activation=linear®ularization=L2&batchSize=10&dataset=xor®Dataset=reg-plane&learningRate=0.01®ularizationRate=0&noise=35&networkShape=1&seed=0.28239&problem=classification>

Take-Home Hands-on Programming and More Details:

- <https://developers.google.com/machine-learning/crash-course/ml-intro>
- Python ML Fruit Classifier - <https://bit.ly/Fruitclassify>
 - [Iris Classifier](#)
- Java Neuroph Network - [Predicting March Madness Winners](#) (Advanced)