

Resource	Link		
A Friendly Introduction to Machine Learning	<a href="https://www.youtube.com/watch?v=IpGxLWOIZy4&amp;t=1255s">https://www.youtube.com/watch?v=IpGxLWOIZy4&amp;t=1255s</a>		
Google Glossary of ML Terms	<a href="https://developers.google.com/machine-learning/glossary/">https://developers.google.com/machine-learning/glossary/</a>		
Rules of Machine Learning: Best Practices for ML Engineering	<a href="https://developers.google.com/machine-learning/guides/rules-of-ml/">https://developers.google.com/machine-learning/guides/rules-of-ml/</a>		
Production ML Systems: Data Dependencies.	<a href="https://developers.google.com/machine-learning/crash-course/data-dependencies/video-lecture">https://developers.google.com/machine-learning/crash-course/data-dependencies/video-lecture</a>		
Kaggle ML Class	<a href="https://www.kaggle.com/learn/machine-learning">https://www.kaggle.com/learn/machine-learning</a>		
Kaggle Deep Learning Class	<a href="https://www.kaggle.com/learn/deep-learning">https://www.kaggle.com/learn/deep-learning</a>		
Introduction to Loss Functions	<a href="https://ml-cheatsheet.readthedocs.io/en/latest/loss_functions.html">https://ml-cheatsheet.readthedocs.io/en/latest/loss_functions.html</a>		
Short Introduction to Neural Nets	<a href="https://ml-cheatsheet.readthedocs.io/en/latest/nn_concepts.html">https://ml-cheatsheet.readthedocs.io/en/latest/nn_concepts.html</a>		
A Data Science Workflow	<a href="https://towardsdatascience.com/a-data-science-workflow-26c3f05a010e">https://towardsdatascience.com/a-data-science-workflow-26c3f05a010e</a>		
The 7 Steps of Machine Learning	<a href="https://towardsdatascience.com/the-7-steps-of-machine-learning-2877d7e5548e">https://towardsdatascience.com/the-7-steps-of-machine-learning-2877d7e5548e</a>		
Metrics To Evaluate Machine Learning Algorithms in Python	<a href="https://machinelearningmastery.com/metrics-evaluate-machine-learning-algorithms-python/">https://machinelearningmastery.com/metrics-evaluate-machine-learning-algorithms-python/</a>		
Machine Learning Testing and Error Metrics - Luis Serrano Udacity	<a href="https://www.youtube.com/watch?v=e2vurxd124">https://www.youtube.com/watch?v=e2vurxd124</a>		
pachyderm	<a href="http://www.pachyderm.io/">http://www.pachyderm.io/</a>		
mlflow	<a href="https://mlflow.org/">https://mlflow.org/</a>		
Cookiecutter Data Science	<a href="https://drivendata.github.io/cookiecutter-data-science/">https://drivendata.github.io/cookiecutter-data-science/</a>		
Modeldb implementation	<a href="https://github.com/mitdbg/modeldb">https://github.com/mitdbg/modeldb</a>		
Modeldb docs	<a href="https://mitdbg.github.io/modeldb/">https://mitdbg.github.io/modeldb/</a>		
Modeldb paper	<a href="https://mitdbg.github.io/modeldb/papers/hilda_modeldb.pdf">https://mitdbg.github.io/modeldb/papers/hilda_modeldb.pdf</a>		
DVC	<a href="https://dvc.org/">https://dvc.org/</a>		
Dat Project	<a href="https://datproject.org/">https://datproject.org/</a>		
git annex	<a href="https://git-annex.branchable.com/">https://git-annex.branchable.com/</a>		
git lfs	<a href="https://git-lfs.github.com/">https://git-lfs.github.com/</a>		
Amazon S3	<a href="https://aws.amazon.com/s3/">https://aws.amazon.com/s3/</a>		
conda	<a href="https://conda.io/docs/user-guide/install/download.html">https://conda.io/docs/user-guide/install/download.html</a>		
Simple guide to confusion matrix	<a href="https://www.dataschool.io/simple-guide-to-confusion-matrix-terminology/">https://www.dataschool.io/simple-guide-to-confusion-matrix-terminology/</a>		
Sklearn Model evaluation: quantifying the quality of predictions	<a href="http://scikit-learn.org/stable/modules/model_evaluation.html">http://scikit-learn.org/stable/modules/model_evaluation.html</a>		
7 Important Model Evaluation Error Metrics Everyone should know	<a href="https://www.analyticsvidhya.com/blog/2016/02/7-important-model-evaluation-error-metrics/">https://www.analyticsvidhya.com/blog/2016/02/7-important-model-evaluation-error-metrics/</a>		
Classification: ROC and AUC	<a href="https://developers.google.com/machine-learning/crash-course/classification/roc-and-auc">https://developers.google.com/machine-learning/crash-course/classification/roc-and-auc</a>		
Regression Model Insights	<a href="https://docs.aws.amazon.com/machine-learning/latest/dg/regression-model-insights.html">https://docs.aws.amazon.com/machine-learning/latest/dg/regression-model-insights.html</a>		
Multiclass Model Insights	<a href="https://docs.aws.amazon.com/machine-learning/latest/dg/multiclass-model-insights.html">https://docs.aws.amazon.com/machine-learning/latest/dg/multiclass-model-insights.html</a>		
Classification: Precision and Recall	<a href="https://developers.google.com/machine-learning/crash-course/classification/precision-and-recall">https://developers.google.com/machine-learning/crash-course/classification/precision-and-recall</a>		
Consistent feature attribution for tree ensembles	<a href="https://arxiv.org/abs/1706.06060">https://arxiv.org/abs/1706.06060</a>		
shap	<a href="https://github.com/slundberg/shap">https://github.com/slundberg/shap</a>		
H2O Interpretability	<a href="http://docs.h2o.ai/driverless-ai/latest-stable/docs/booklets/MLIBooklet.pdf">http://docs.h2o.ai/driverless-ai/latest-stable/docs/booklets/MLIBooklet.pdf</a>		
H2O Interpretability Github	<a href="https://github.com/h2oai/mli-resources">https://github.com/h2oai/mli-resources</a>		
Interpretable Machine Learnin: A Guide for Making Black Box Models Explainable.	<a href="https://christophm.github.io/interpretable-ml-book/">https://christophm.github.io/interpretable-ml-book/</a>		
Interpretable Machine Learning Book	<a href="https://github.com/christophM/interpretable-ml-book">https://github.com/christophM/interpretable-ml-book</a>		
Ideas on interpreting machine learning	<a href="https://www.oreilly.com/ideas/ideas-on-interpreting-machine-learning">https://www.oreilly.com/ideas/ideas-on-interpreting-machine-learning</a>		
Interpreting predictive models with Skater: Unboxing model opacity	<a href="https://www.oreilly.com/ideas/interpreting-predictive-models-with-skater-unboxing-model-opacity">https://www.oreilly.com/ideas/interpreting-predictive-models-with-skater-unboxing-model-opacity</a>		
The Building Blocks of Interpretability	<a href="https://distill.pub/2018/building-blocks/">https://distill.pub/2018/building-blocks/</a>		
Google Cloud Platform	<a href="https://cloud.google.com/ml-engine/docs/pricing">https://cloud.google.com/ml-engine/docs/pricing</a>		
Amazon ML Pricing	<a href="https://aws.amazon.com/aml/pricing/">https://aws.amazon.com/aml/pricing/</a>		
Microsoft Azure Calculator	<a href="https://azure.microsoft.com/en-us/pricing/calculator/">https://azure.microsoft.com/en-us/pricing/calculator/</a>		
Google Cloud Creating and Managing Labels	<a href="https://cloud.google.com/resource-manager/docs/creating-managing-labels">https://cloud.google.com/resource-manager/docs/creating-managing-labels</a>		

Google Cloud Visualize Spend Over Time with Data Studio	<a href="https://cloud.google.com/billing/docs/how-to/visualize-data">https://cloud.google.com/billing/docs/how-to/visualize-data</a>		
Google Cloud Export Billing Data to BigQuery	<a href="https://cloud.google.com/billing/docs/how-to/export-data-bigquery">https://cloud.google.com/billing/docs/how-to/export-data-bigquery</a>		
Google Cloud Public Billing Report Demo	<a href="https://datastudio.google.com/reporting/0B7GT7ZlyUmCZHFhNDIKVENHYmc/page/dizD">https://datastudio.google.com/reporting/0B7GT7ZlyUmCZHFhNDIKVENHYmc/page/dizD</a>		
cloudcraft	<a href="https://cloudcraft.co/app">https://cloudcraft.co/app</a>		
Analyzing Your Costs with Cost Explorer	<a href="https://docs.aws.amazon.com/awsaccountbilling/latest/aboutv2/cost-explorer-what-is.html">https://docs.aws.amazon.com/awsaccountbilling/latest/aboutv2/cost-explorer-what-is.html</a>		
vowpal-wabbit	<a href="https://github.com/JohnLangford/vowpal_wabbit/wiki">https://github.com/JohnLangford/vowpal_wabbit/wiki</a>		
vowpal-wabbit input format	<a href="https://github.com/JohnLangford/vowpal_wabbit/wiki/Input-format">https://github.com/JohnLangford/vowpal_wabbit/wiki/Input-format</a>		
Hashing Trick	<a href="http://hunch.net/~jl/projects/hash_reps/index.html">http://hunch.net/~jl/projects/hash_reps/index.html</a>		
csv2vw	<a href="https://github.com/eroenjanssens/data-science-at-the-command-line/blob/master/tools/csv2vw">https://github.com/eroenjanssens/data-science-at-the-command-line/blob/master/tools/csv2vw</a>		
vw command line interface	<a href="https://github.com/JohnLangford/vowpal_wabbit/wiki/Command-line-arguments">https://github.com/JohnLangford/vowpal_wabbit/wiki/Command-line-arguments</a>		
Clipper	<a href="https://storage.googleapis.com/pub-tools-public-publication-data/pdf/45742.pdf">https://storage.googleapis.com/pub-tools-public-publication-data/pdf/45742.pdf</a>		
Clipper Github	<a href="https://github.com/ucbrise/clipper">https://github.com/ucbrise/clipper</a>		
Deploying and Monitoring Heterogeneous Machine Learning Applications with Clipper	<a href="https://databricks.com/session/deploying-and-monitoring-heterogeneous-machine-learning-applications-with-clipper">https://databricks.com/session/deploying-and-monitoring-heterogeneous-machine-learning-applications-with-clipper</a>		
Clipper Modules	<a href="http://docs.clipper.ai/en/v0.3.0/model_deployers.html?highlight=pyspark%20models#pyspark-models">http://docs.clipper.ai/en/v0.3.0/model_deployers.html?highlight=pyspark%20models#pyspark-models</a>		
Clipper Prediction System	<a href="https://www.usenix.org/system/files/conference/nsdi17/nsdi17-crankshaw.pdf">https://www.usenix.org/system/files/conference/nsdi17/nsdi17-crankshaw.pdf</a>		
A Gentle Introduction to Concept Drift in Machine Learning	<a href="https://machinelearningmastery.com/gentle-introduction-concept-drift-machine-learning/">https://machinelearningmastery.com/gentle-introduction-concept-drift-machine-learning/</a>		
Use Amazon CloudWatch custom metrics for real-time monitoring of Amazon Sagemaker model performance	<a href="https://aws.amazon.com/blogs/machine-learning/use-amazon-cloudwatch-custom-metrics-for-real-time-monitoring-of-amazon-sagemaker-model-performance/">https://aws.amazon.com/blogs/machine-learning/use-amazon-cloudwatch-custom-metrics-for-real-time-monitoring-of-amazon-sagemaker-model-performance/</a>		