

## HW1:

<https://manchev.org/2016/01/24/generating-data-with-random-gaussian-noise/>  
<https://numpy.org/doc/stable/reference/random/generated/numpy.random.normal.html>  
[https://scikit-learn.org/stable/modules/generated/sklearn.model\\_selection.KFold.html](https://scikit-learn.org/stable/modules/generated/sklearn.model_selection.KFold.html)  
<https://machinelearningmastery.com/calculate-the-bias-variance-trade-off/>  
[https://github.com/scikit-learn/scikit-learn/blob/master/examples/ensemble/plot\\_bias\\_variance.py](https://github.com/scikit-learn/scikit-learn/blob/master/examples/ensemble/plot_bias_variance.py)  
<https://towardsdatascience.com/bias-variance-decomposition-d0e22d1506b1>  
[https://scikit-learn.org/stable/modules/linear\\_model.html](https://scikit-learn.org/stable/modules/linear_model.html)  
<https://www.investopedia.com/terms/e/errorterm.asp>  
<https://www.scribbr.com/frequently-asked-questions/error-in-a-linear-regression-model/>  
<https://maktabkhooneh.org/course/273-%DB%8C%D8%A7%D8%AF%DA%AF%DB%8C%D8%B1%DB%8C-%D9%85%D8%A7%D8%B4%DB%8C%D9%86-mk273/>

## HW2:

<http://scikit-learn.org/stable/modules/svm.html>  
<http://scikit-learn.org/stable/modules/generated/sklearn.svm.SVC.html>  
<http://archive.ics.uci.edu/ml/machine-learning-databases/00451/>  
<https://www.calculatorsoup.com/calculators/algebra/quadratic-formula-calculator.php>  
<http://www.math.com/students/calculators/source/quadratic.htm>  
<https://www.mathsisfun.com/quadratic-equation-solver.html>  
<https://courses.csail.mit.edu/6.867/wiki/images/a/a7/Qp-cvxopt.pdf>  
<https://stackoverflow.com/questions/36510859/cvxopt-qp-solver-typeerror-a-must-be-a-d-matrix-with-1000-columns>  
<https://cvxopt.org/userguide/solvers.html>  
<https://docs.scipy.org/doc/scipy/reference/generated/scipy.optimize.fsolve.html>  
[\(5\) Creating an SVM from scratch - Practical Machine Learning Tutorial with Python p.25 - YouTube](#)  
[\(5\) How to download iris dataset from UCI dataset and preparing data - YouTube](#)  
[\(5\) Support Vector Machine Intro and Application - Practical Machine Learning Tutorial with Python p.20 - YouTube](#)

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