## **Supplementary Material**

Machine Learning (Basics)

https://www.deeplearningbook.org/contents/ml.html

 $\frac{https://github.com/JiashuWu/Books/blob/master/Computer\%20Vision/Computer\%20Vision}{\%20Algorithms.pdf}$ 

Machine Learning (Artificial Neural Network)

https://cs231n.github.io/neural-networks-1/

https://cs231n.github.io/neural-networks-2/

https://www.deeplearningbook.org/contents/mlp.html

Machine Learning (Supervised k-NN Classification) Pages 127-132

http://vision.stanford.edu/teaching/cs131\_fall1718/files/cs131-class-notes.pdf

https://cs231n.github.io/classification/

Machine Learning (Supervised Naive Bayes Classification) Page 158-160

http://vision.stanford.edu/teaching/cs131\_fall1718/files/cs131-class-notes.pdf

Machine Learning (Dimensionality PCA) Pages 133-138

http://vision.stanford.edu/teaching/cs131\_fall1718/files/cs131-class-notes.pdf

Machine Learning (Metrics) Pages 163-166

http://vision.stanford.edu/teaching/cs131\_fall1718/files/cs131-class-notes.pdf

Machine Learning (Sliding Window Detector) Pages 166-169

http://vision.stanford.edu/teaching/cs131 fall1718/files/cs131-class-notes.pdf

Machine Learning (Gradient Descent)

https://cs231n.github.io/optimization-1/

https://cs231n.github.io/optimization-2/

https://www.cs.cornell.edu/courses/cs4670/2018sp/lec33-backprop.pdf