

Essential Readings

Total Hours

- 1. Christopher M. Bishop, "Pattern Recognition and Machine Learning", First edition, Springer, 2006.
- 2. Ruisi He, Z Ding, "Applications of Machine Learning in Wireless Communications", First edition, IET Telecommunication series 81, 2019.

adaptive modulation classification, ML based channel estimation, Machine Learning for Joint Channel Equalization and Signal Detection

- 3. Fa-Long Luo," Machine Learning for Future Wireless Communications", First edition, John Wiley and Sons, 2020.
- 4. S. Haykin, "Neural networks and Learning Machines", Third Edition, Pearson Education, 2013.

Supplementary Readings

- 1. Murphy, Kevin P, "Machine learning: a probabilistic perspective", First edition, MIT press, 2012.
- 2. Richard O. Duda, Peter E. Hart and David G. Stork, "Pattern Classification", Second edition, John Wiley, 2001.

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