# **Artificial Intelligence**

* Artificial Intelligence: A Modern Approach, Stuart J. Russell and Peter Norvig

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# **Machine Learning**

* Machine Learning Refined: Foundations, Algorithms, and Applications, Jeremy Watt, Reza Borhani
* Deep Learning, Ian Goodfellow, Yoshua Bengio, Aaron Courville
* Hands-on Machine Learning with Scikit-Learn, Keras & TensorFlow: Concepts, Tools and Techniques to Build Intelligent System, Aurelien Geron

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# **Data Science**

* Introducing Data Science: Big Data, Machine Learning, and More, Using Python Tools, Davy Cielen, Arno D.B.
* Data Science From Scratch: First Principles with Python, Joel Grus

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# **Data Warehouse and Mining**

* Data Mining Concepts and Techniques, Jiawei Han, Micheline Kamber, Jian Pei
* Building the Data Warehouse, William H. Inmon

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# **Combinatorial Optimization**

* Combinatorial Optimization: Theory and Algorithms, Bemhard Korte, Jens Vygen

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# **Numerical Analysis**

* An Introduction to Numerical Methods and Analysis, James F. Epperson

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