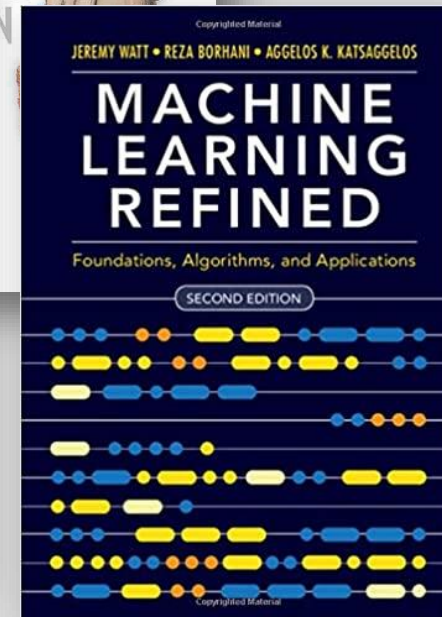
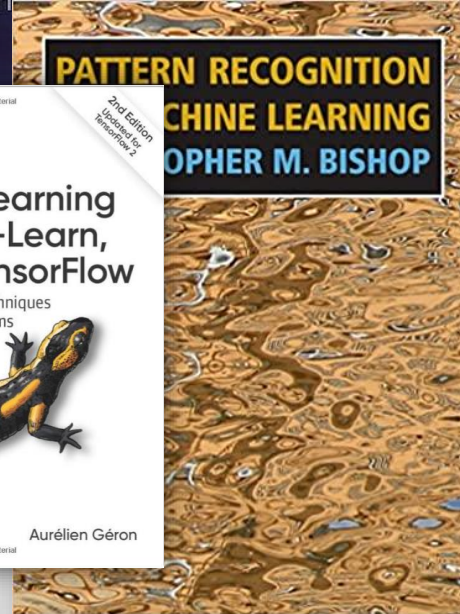
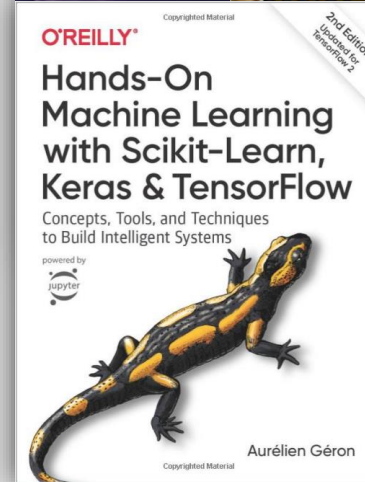
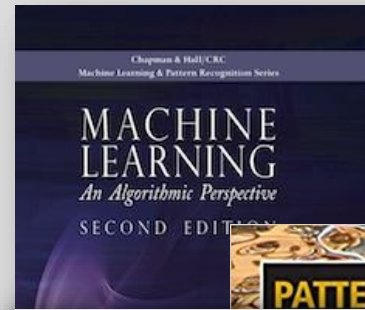
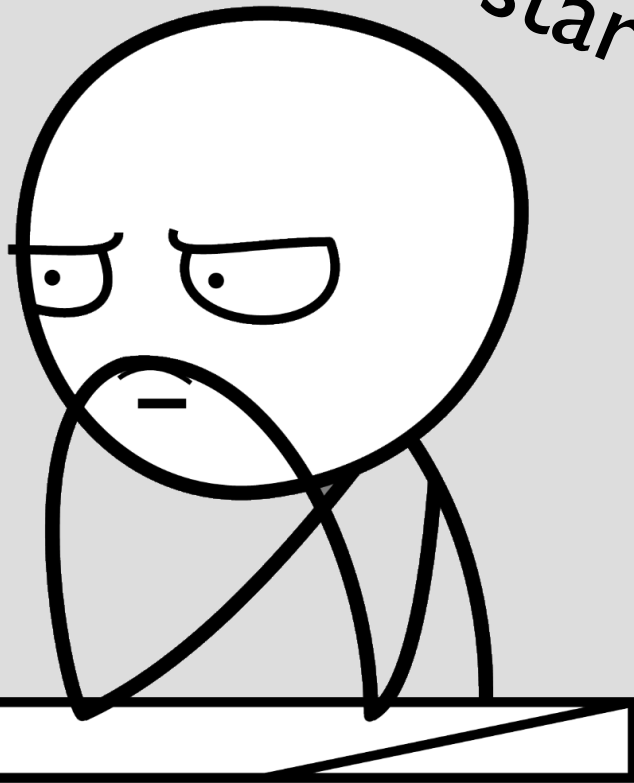


# HOW TO START MACHINE LEARNING

By Suleyman Suleymanzade

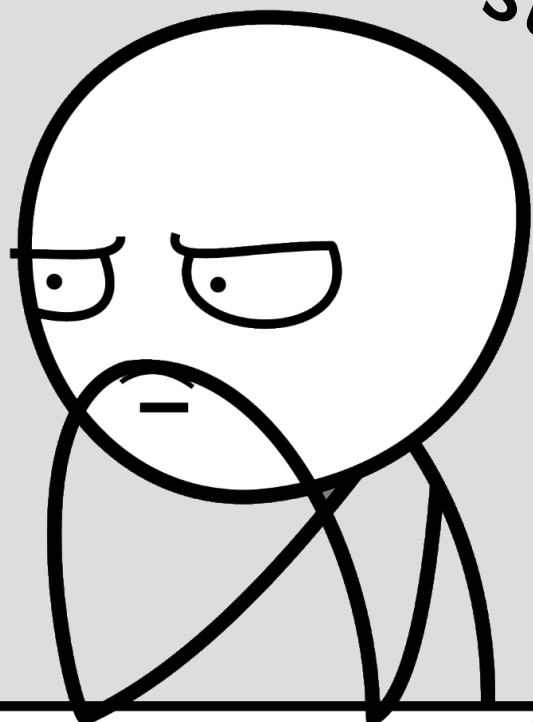
# LITERATURE AND SOURCES

How to start?

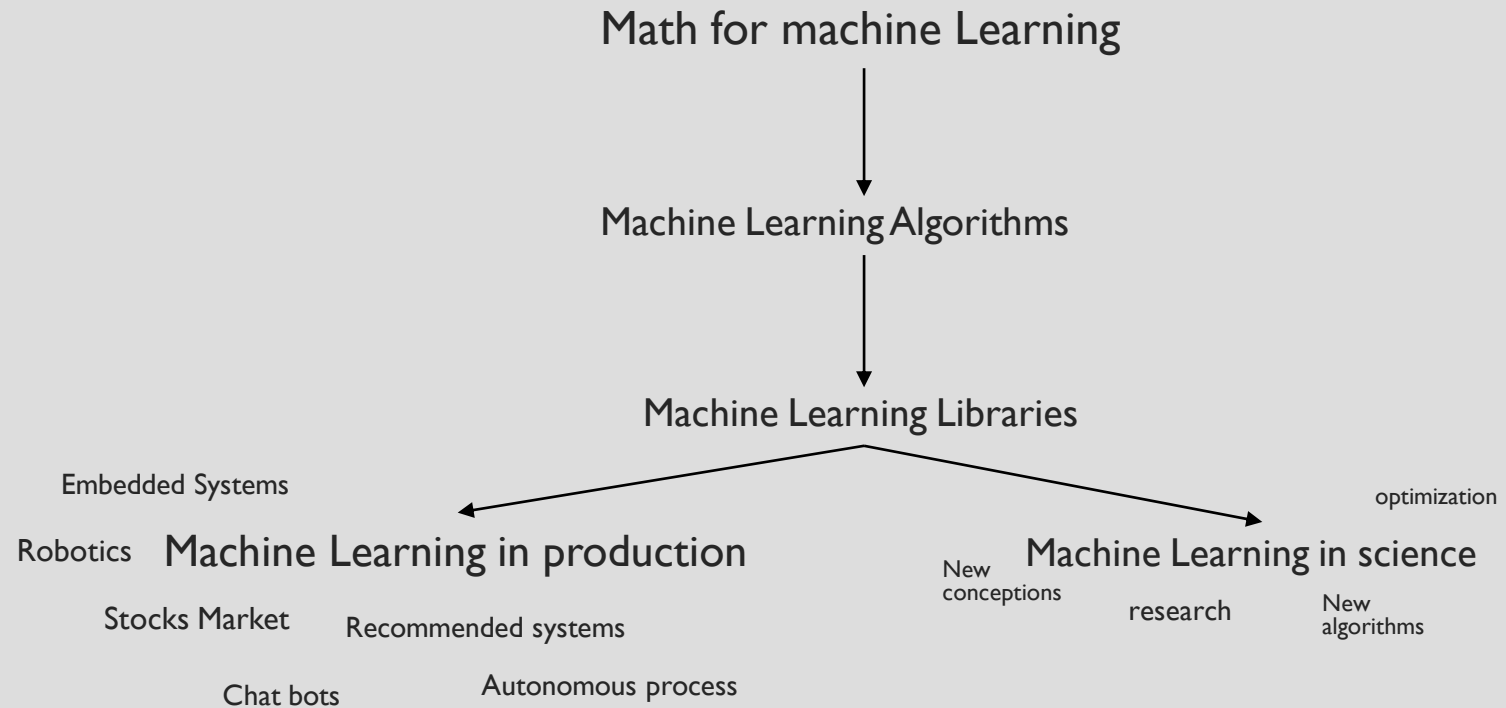


# TECHNOLOGY

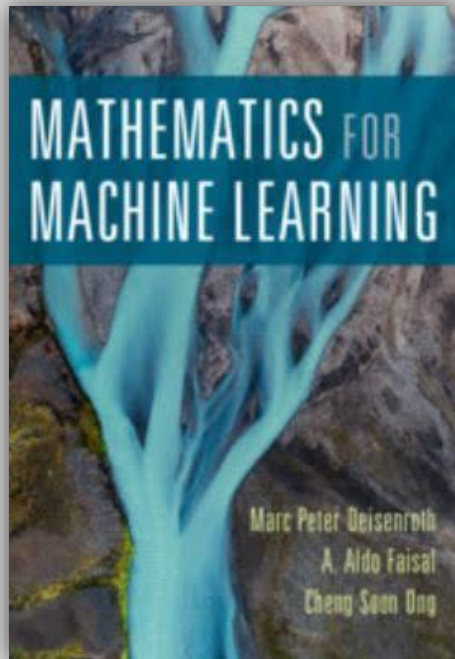
How to start?



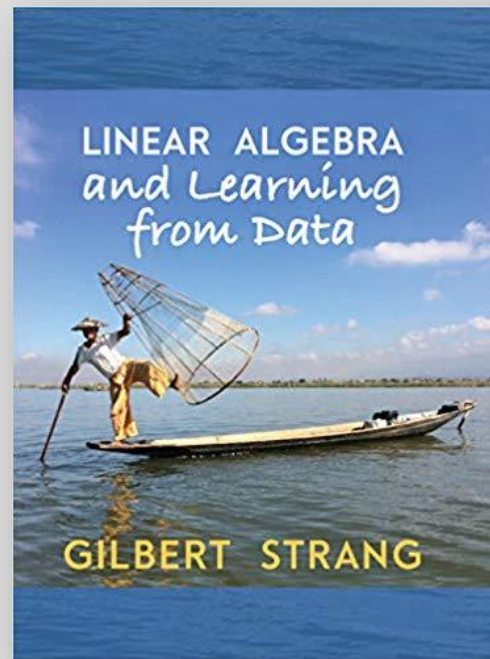
# MACHINE LEARNING KNOWLEDGE DEPENDENCY



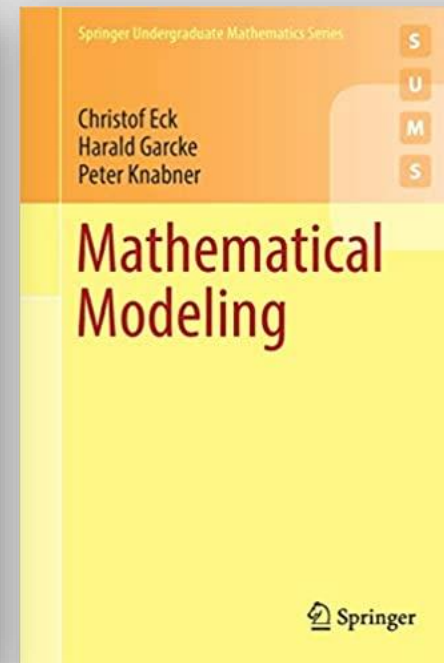
# MATH FOR MACHINE LEARNING



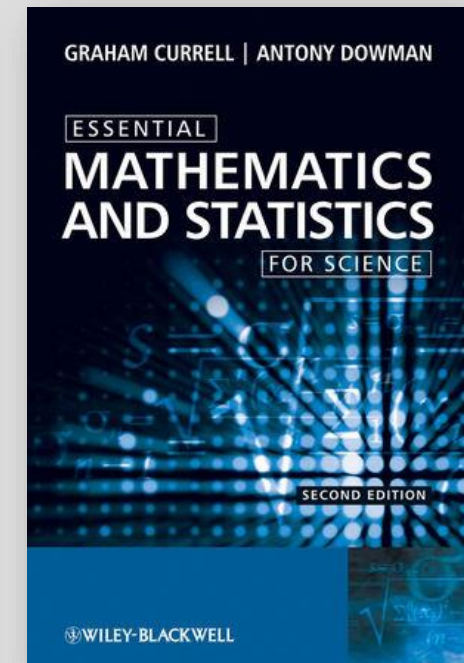
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A. Aldo Faisal, Cheng Soon Ong,



**Linear Algebra and Learning  
from Data**  
Gilbert Strang



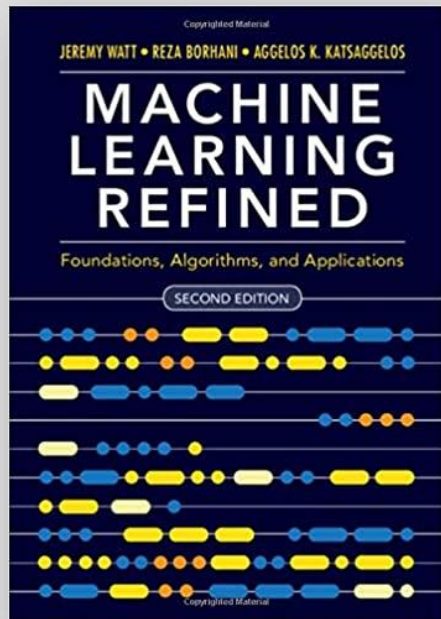
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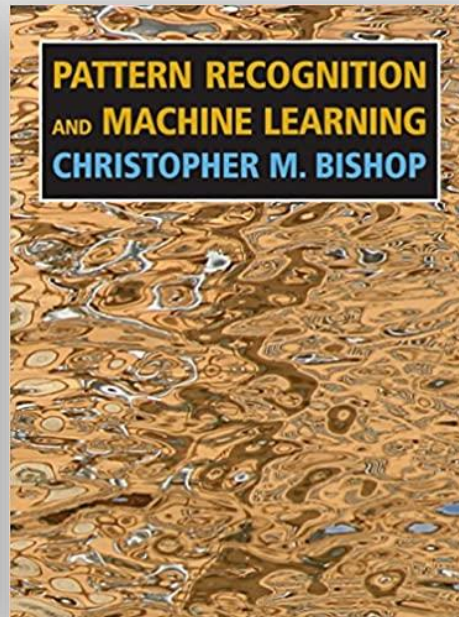
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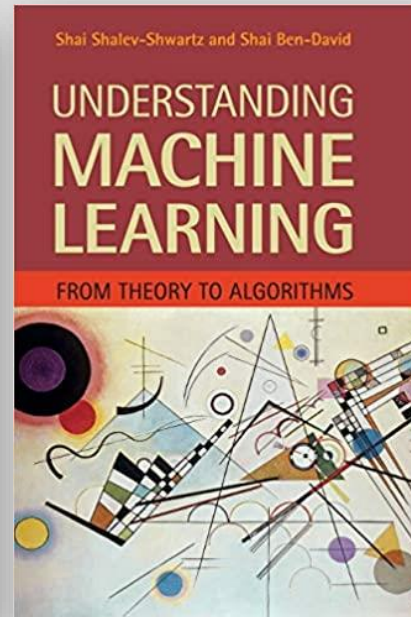
# ML ALGORITHMS



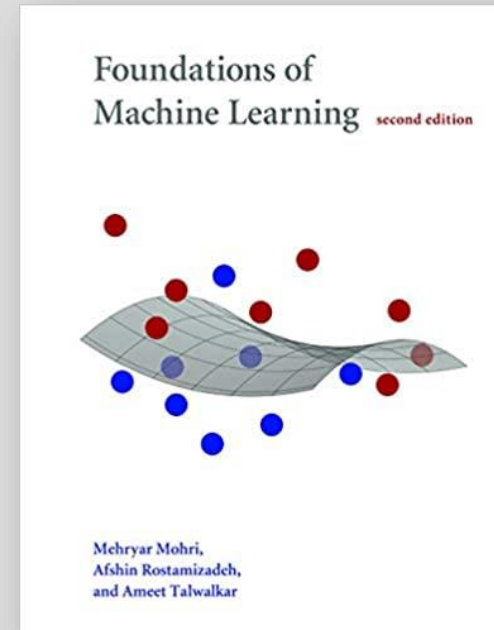
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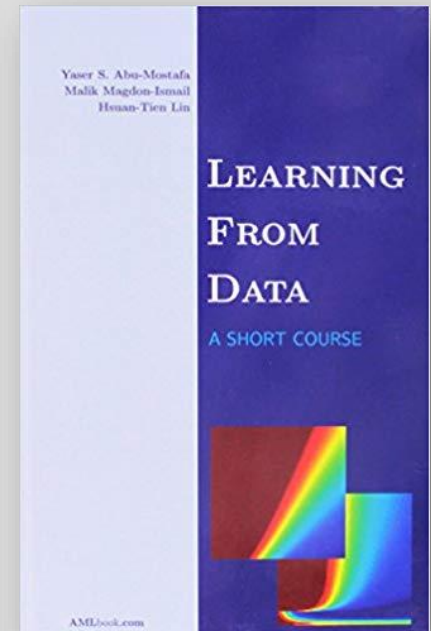
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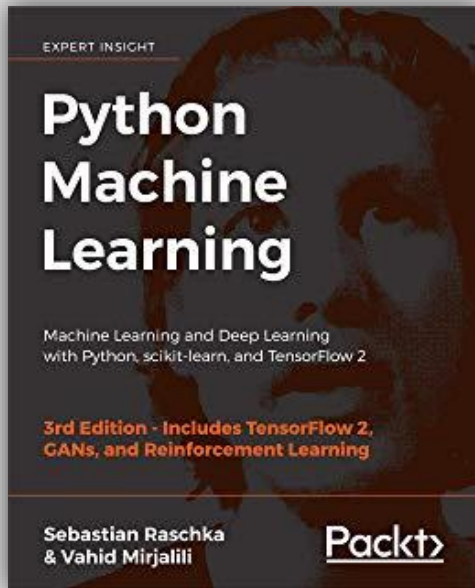


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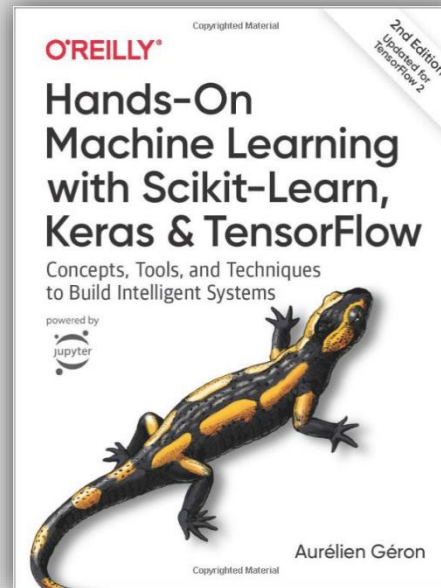


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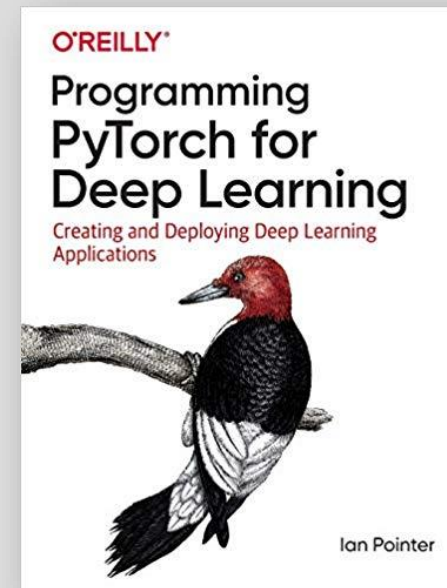
# ML LIBRARIES AND PROGRAMMING PRACTICE



**Python Machine Learning, 3rd Edition**  
by Sebastian Raschka & Valid Mirjalili

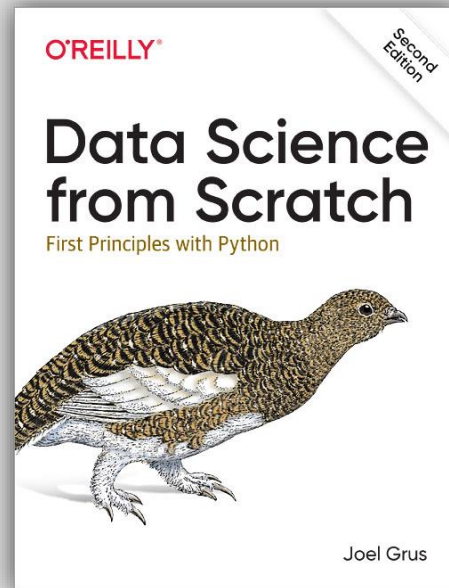


**Hand-On Machine Learning with Scikit-Learn, Keras & Tensor Flow, 2<sup>nd</sup> Edition**  
by Aurelien Geron

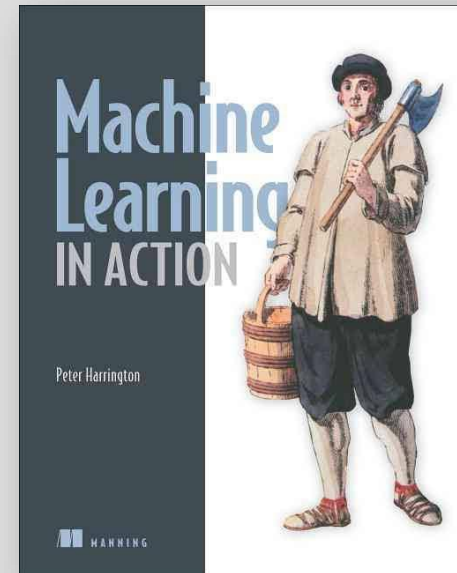


**Programming PyTorch for Deep Learning: Creating and Deploying Deep Learning Applications**  
Ian Pointer  
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# ML FROM THE SCRATCH BOOKS



Data Science from Scratch, 2nd Edition  
by Joel Grus



Machine Learning in Action  
Peter Harrington  
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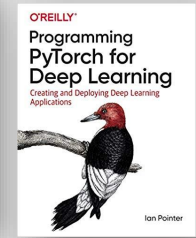
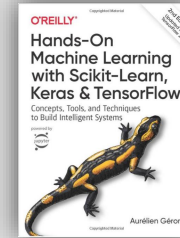
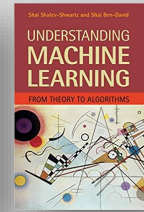
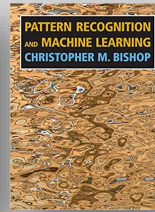
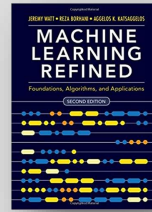
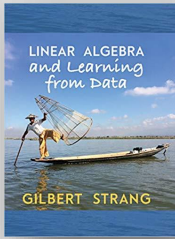
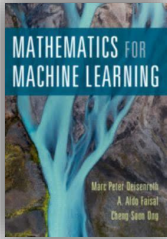


# ROADMAP

1 → 2 → 3 → 4 →

# COMMON MISTAKES

**Wrong roadmap**



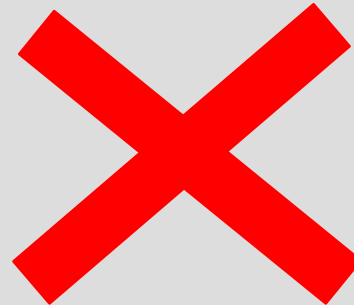
1. Math for machine Learning

2. Machine Learning Algorithms

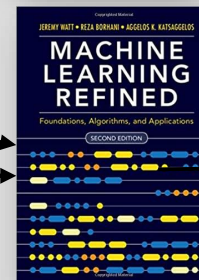
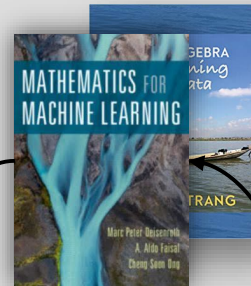
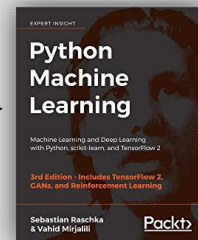
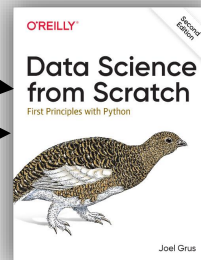
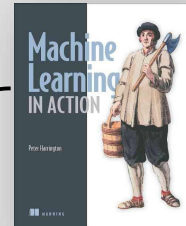
3. Machine Learning Libraries (tech)

**You will stuck here.**

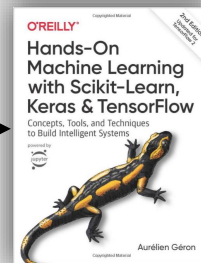
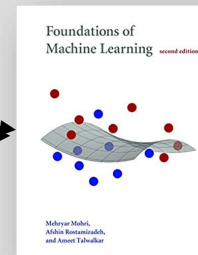
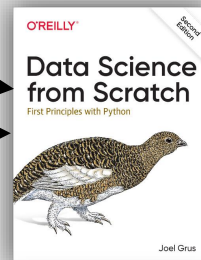
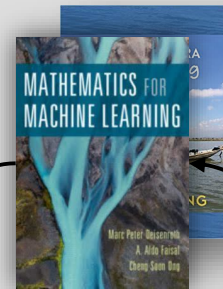
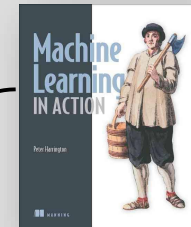
And you will hate the machine learning till the end of your life!



# RIGHT WAY TO LEARN ML (OPTION - I)



# RIGHT WAY TO LEARN ML (OPTION - 2)



## VIDEO COURSES

Udemy (Jose Portilla)

<https://www.udemy.com/course/complete-tensorflow-2-and-keras-deep-learning-bootcamp/>

Harrison Kinsley's official website

<https://pythonprogramming.net/introduction-intermediate-python-tutorial/>

Corey Schafer's YouTube channel (for Pandas Library)

<https://www.youtube.com/watch?v=ZyhVh-qRZPA&list=PL-osiE80TeTsWmV9i9c58mdDCSskIFdDS>

MIT Deep Learning (Alexander Amini and Ava Soleimany)

<http://introtodeeplearning.com/>