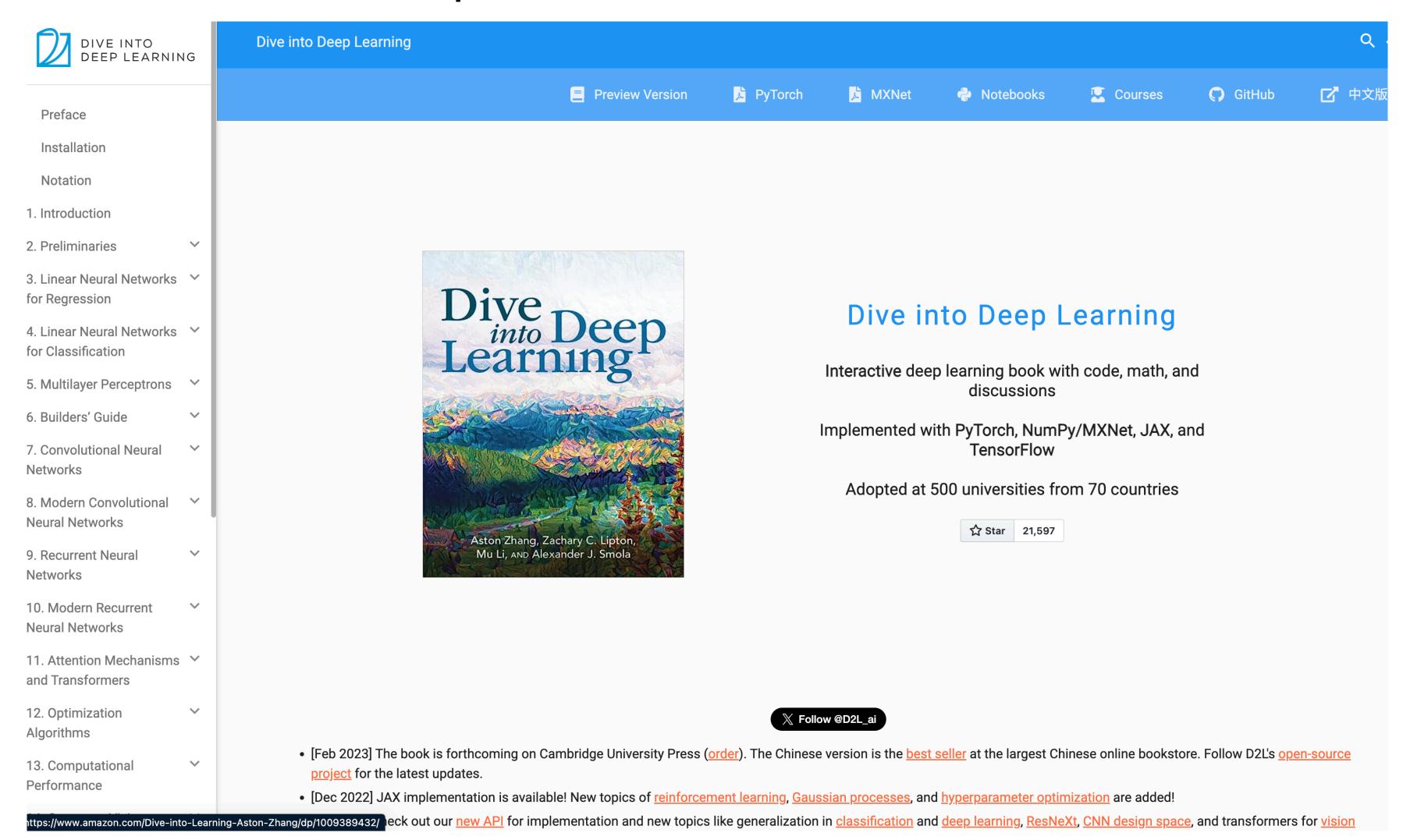
Week 2

Resources for lerning Deep Learning

https://d2l.ai/index.html

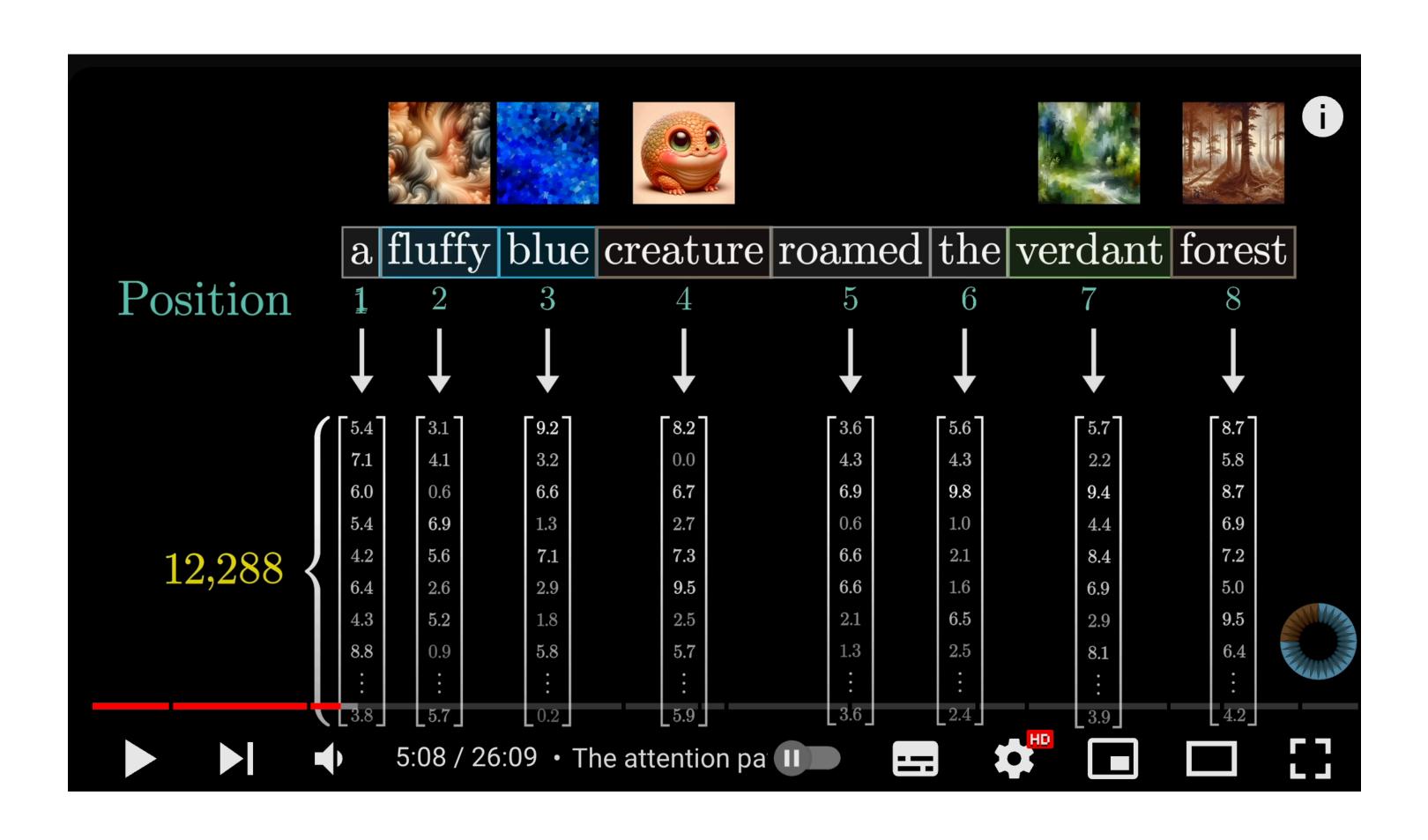


https://www.deeplearningbook.org/

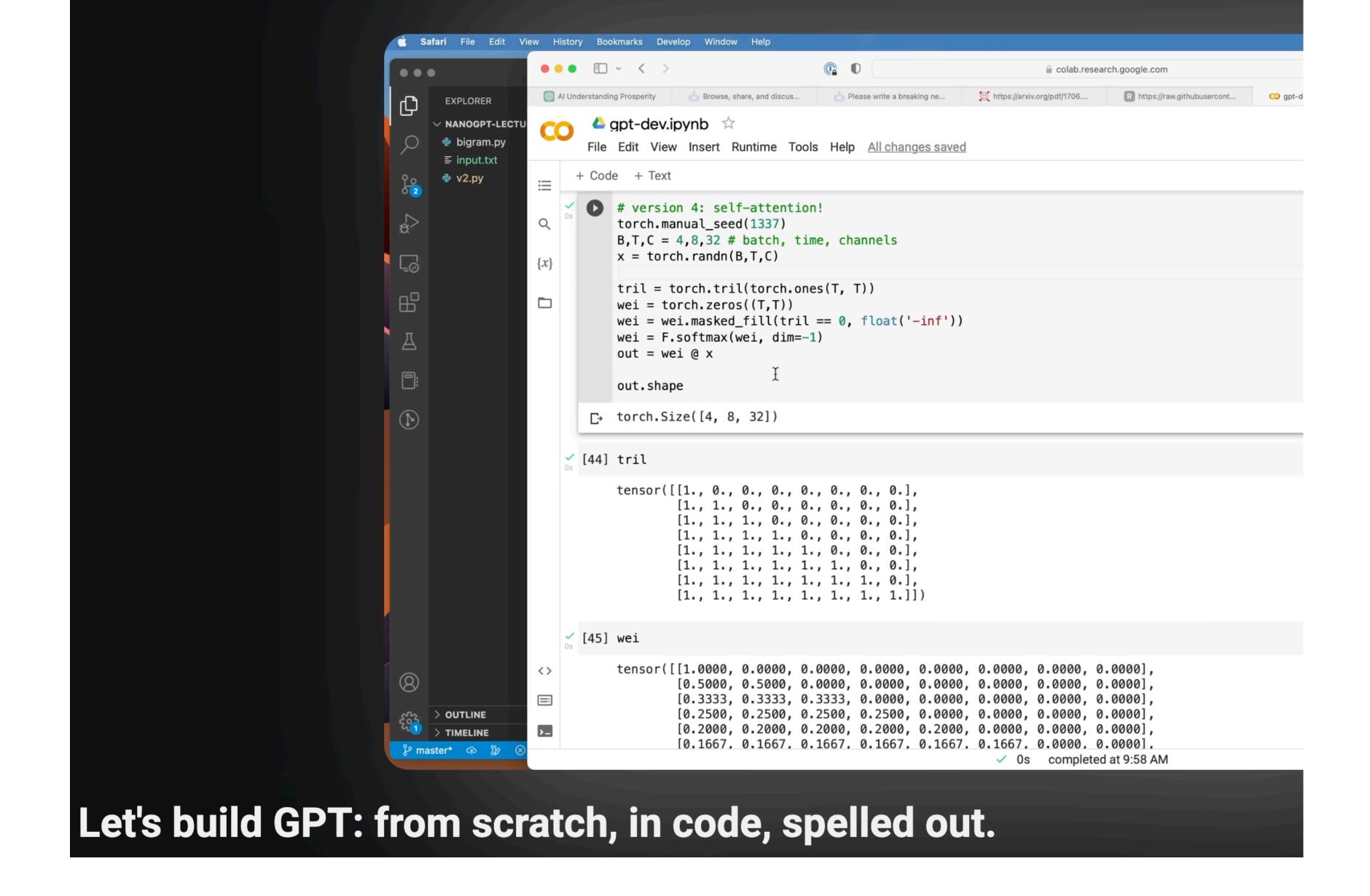
Errata in published editions

Deep Learning

- Table of Contents
- Acknowledgements
- Notation
- 1 Introduction
- Part I: Applied Math and Machine Learning Basics
 - o <u>2 Linear Algebra</u>
 - 3 Probability and Information Theory
 - 4 Numerical Computation
 - 5 Machine Learning Basics
- Part II: Modern Practical Deep Networks
 - 6 Deep Feedforward Networks
 - 7 Regularization for Deep Learning
 - 8 Optimization for Training Deep Models
 - 9 Convolutional Networks
 - o 10 Sequence Modeling: Recurrent and Recursive Nets
 - 11 Practical Methodology
 - 12 Applications
- Part III: Deep Learning Research
 - 13 Linear Factor Models
 - 14 Autoencoders
 - 15 Representation Learning
 - 16 Structured Probabilistic Models for Deep Learning
 - 17 Monte Carlo Methods
 - 18 Confronting the Partition Function
 - 19 Approximate Inference
 - 20 Deep Generative Models
- <u>Bibliography</u>
- <u>Index</u>



https://www.youtube.com/@3blue1brown



https://www.youtube.com/@AndrejKarpathy