

List of AI/Machine Learning Resources

There is no doubt about the global interest in AI/machine learning. We've all been watching movies about it for decades, so it comes as no surprise that there is a lot of money being thrown at the industry. Big tech is spearheading R&D, but these days anyone can educate themselves & make waves in the industry. Here is a curated selection of (mostly) free videos, lectures, papers & courses to get you started.

1. AI2
<https://www.youtube.com/channel/UCEqgmyWChwvt6MFGGImUQCQ>
2. Andrew Ng deeplearning.ai
<https://www.deeplearning.ai>
3. Artificial Intelligence – Topic
<https://www.youtube.com/channel/UC9pXDvrYYsHuDkauM2fLIQ>
4. CaltechX Learning From Data – Introductory Machine Learning
<https://www.edx.org/course/learning-from-data-introductory-machine-learning>
5. Coursera Machine Learning
<https://www.coursera.org/learn/machine-learning>
6. Coursera Machine Learning Specialization
<https://www.coursera.org/specializations/machine-learning>
7. Data School
<https://www.youtube.com/user/dataschool>
8. DeepLearning.TV
https://www.youtube.com/channel/UC9OeZklwhzfv-_Cb7fCikLQ
9. EdX Artificial Intelligence Courses
<https://www.edx.org/learn/artificial-intelligence>

10. Elements of AI
<https://elementsofai.com>
11. Fast.ai
<https://www.fast.ai> & <https://course.fast.ai>
12. Gareth James An Introduction to Statistical Learning
<http://faculty.marshall.usc.edu/gareth-james/ISL>
13. Geoffrey Hinton Neural Networks for Machine Learning
https://www.youtube.com/watch?list=PLoRI3Ht4JOcdU872GhiYWf6jwrk_SNhz9&v=cbeTc-Urqak
14. Georgia Tech Artificial Intelligence for Robotics
<https://eu.udacity.com/course/artificial-intelligence-for-robotics-cs373>
15. Google Learning
<https://ai.google/education>
16. Google Machine Learning Crash Course
<https://developers.google.com/machine-learning/crash-course>
17. Google TensorFlow, Keras & deep learning, Without a PhD
<https://codelabs.developers.google.com/codelabs/cloud-tensorflow-mnist>
18. Google Python Class
<https://developers.google.com/edu/python>
19. Hugo Larochelle's Neural Network Videos
<https://www.youtube.com/watch?list=PL6Xpj9I5qXYEcOhn7TqghAJ6NAPrNmUBH&v=SGZ6BttHMPw>
20. James McCaffrey's Data Science Lab
<https://visualstudiomagazine.com/Articles/List/Neural-Network-Lab.aspx>
21. Justin Johnson Derivatives, Backpropagation & Vectorization
<http://cs231n.stanford.edu/handouts/derivatives.pdf>
22. Kahn Academy Differential Calculus
<https://www.khanacademy.org/math/differential-calculus>
23. Larry Wasserman All of Statistics: A Concise Course in Statistical Inference
<http://www.ic.unicamp.br/~wainer/cursos/1s2013/ml/livro.pdf>

24. Larry Wasserman Statistical Methods for Machine Learning
<https://www.youtube.com/watch?list=PLTB9VQq8WiaCBK2XrtYn5t9uuPdsNm7YE&v=zcMnu-3wkWo>
25. Learning Machines 101
<https://www.learningmachines101.com>
26. Linear Digressions
<https://podcasts.apple.com/us/podcast/linear-digressions/id941219323>
27. Machine Learning at Berkeley
<https://www.youtube.com/channel/UCXweTmAk9K-Uo9R6SmfGtjg>
28. Machine Learning for Kids
<https://machinelearningforkids.co.uk>
29. Machine Learning Guide
<http://ocdevel.com/mlg>
30. Machine Learning Recipes with Josh Gordon
https://www.youtube.com/playlist?list=PLOU2XLYxmslluiBfYad6rFYQU_jL2ryal
31. Machine Learning TV
<https://www.youtube.com/channel/UChlaUcs3tho6XhyU6K6KMrw>
32. Mathematicalmonk Machine Learning
<https://www.youtube.com/playlist?list=PLD0F06AA0D2E8FFBA>
33. Michael Nielson Neural Networks & Deep Learning
<http://neuralnetworksanddeeplearning.com>
34. Microsoft Professional Program for Artificial Intelligence
<https://academy.microsoft.com/en-us/professional-program/tracks/artificial-intelligence>
35. MIT Artificial Intelligence Class
<https://ocw.mit.edu/courses/electrical-engineering-and-computer-science/6-034-artificial-intelligence-fall-2010/index.htm>
36. MIT DeepLearning Book
<http://www.deeplearningbook.org>

37. MIT Introduction to Probability & Statistics
<https://ocw.mit.edu/courses/mathematics/18-05-introduction-to-probability-and-statistics-spring-2014/index.htm>
38. MIT Linear Algebra
<https://ocw.mit.edu/courses/mathematics/18-06-linear-algebra-spring-2010/index.htm>
39. Oxford Deep NLP
<https://github.com/oxford-cs-deepnlp-2017/lectures>
40. Peter Norvig Paradigms of Artificial Intelligence Programming
<https://github.com/norvig/paip-lisp>
41. Quora Artificial General Intelligence
<https://www.quora.com/topic/Artificial-General-Intelligence>
42. Quora Artificial Intelligence
<https://www.quora.com/topic/Artificial-Intelligence>
43. Quora Classification Machine Learning
<https://www.quora.com/topic/Classification-machine-learning>
44. Quora Deep Learning
<https://www.quora.com/topic/Deep-Learning>
45. Quora Machine Learning
<https://www.quora.com/topic/Machine-Learning>
46. Quora Natural Language Processing
<https://www.quora.com/topic/Natural-Language-Processing>
47. Reddit Artificial
<https://www.reddit.com/r/artificial>
48. Reddit Data Science
<https://www.reddit.com/r/datascience>
49. Reddit Learn Machine Learning
<https://www.reddit.com/r/learnmachinelearning>
50. Reddit Machine Learning
<https://www.reddit.com/r/MachineLearning>

51. Reddit ML Class
<https://www.reddit.com/r/mlclass>
52. Reddit ML Papers
<https://www.reddit.com/r/mlpapers>
53. Reddit ML Questions
<https://www.reddit.com/r/MLQuestions>
54. Reddit Language Technology
<https://www.reddit.com/r/LanguageTechnology>
55. Reddit Robotics
<https://www.reddit.com/r/robotics>
56. Sentdex
<https://www.youtube.com/user/sentdex>
57. Siraj Raval
<https://www.youtube.com/channel/UCWN3xxRkmTPmbKwht9FuE5A>
58. Stanford CS231n: Convolutional Neural Networks for Visual Recognition
<https://www.youtube.com/watch?v=g-PvXUjD6gg&list=PLIJy-eBtNFt6EuMxFYRiNRS07MCWN5UIA>
59. Stanford CS224n — Natural Language Processing with Deep Learning
https://www.youtube.com/playlist?list=PL3FW7Lu3i5Jsnh1rnUwq_TcyINr7EkRe6
60. Talking Machines
<http://www.thetalkingmachines.com>
61. TensorFlow Neural Network Playground
<http://playground.tensorflow.org>
62. The AI Podcast
<https://blogs.nvidia.com/ai-podcast>
63. This Week in Machine Learning & AI
<https://twimlai.com>
64. Two Minute Papers
<https://www.youtube.com/user/keeroz>

65. Udacity Intro to TensorFlow for Deep Learning
<https://eu.udacity.com/course/intro-to-tensorflow-for-deep-learning-ud187>
66. Udacity Intro to Machine Learning
<https://eu.udacity.com/course/intro-to-machine-learning-ud120>
67. Understanding Machine Learning: From Theory to Algorithms
<http://www.cs.huji.ac.il/~shais/UnderstandingMachineLearning/copy.html>
68. Zed Shaw Learn Python 3 the Hard Way
<https://learnpythonthehardway.org/python3>

Let us know if we missed your favorite place to educate yourself about AI/machine learning. Also be sure to check out [a list of AI/machine learning events](#) & a bunch of [useful AI/machine learning tools](#).

This data is from [Vuild's list of AI/machine learning education](#). Please visit vuild.com for more.