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Getting Started with Neural Networks (ANN)?

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I've been involved with a lot of C-Programming and RT-Linux, now I want to do some Artificial Neural Networking, BUT: How do I get started?

I'm also very interested in Evolutionary Algorithms(Learning Algorithms) and Artificial Intelligence. Where can I start learning all of this?

Thank You

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asked Jan 9 '12 at 17:32

 [Nekcihc](#)
82 1 2 6

1 Are you trying to solve a specific problem or are you just interested in learning AI? – [Lirik](#) Jan 9 '12 at 17:37

3 I have a LOT of questions/problems I want to solve someday... But, for now I want to get started in AI...(I think this is a topic where I don't seem to find any easy Tutorials or Introductions, like there are for basic programming) – [Nekcihc](#) Jan 9 '12 at 17:39

So I would recommend that you learn the general ML/AI concepts and go from there. See my answer for more info. – [Lirik](#) Jan 9 '12 at 17:40

Thank you very much! – [Nekcihc](#) Jan 9 '12 at 17:41

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1 Answer

If you're just trying to get familiar with AI, then I would recommend that you take the Stanford's free online courses:

- <https://www.ai-class.com/>
- <http://www.ml-class.org/course/auth/welcome>

Get a good understanding of the ML/AI concepts and play with the algorithms.

Additional links:

- Neural Network Example: <http://www.ai-junkie.com/ann/evolved/nnt1.html>
- GP: <http://www.genetic-programming.org/>

There are many more resources online, but I think the above will give you a decent start. Also, there are a LOT of similar questions on SO that provide many useful links so I would recommend that you search for these topics on stackoverflow.com:

- Neural Networks on SO: <http://stackoverflow.com/questions/tagged/neural-network?sort=votes&pagesize=50>
- Genetic Algorithms on SO: <http://stackoverflow.com/questions/tagged/genetic-algorithm>
- Genetic Programming on SO: <http://stackoverflow.com/questions/tagged/genetic-programming>
- Evolutionary Algos on SO: <http://stackoverflow.com/questions/tagged/evolutionary-algorithm>

edited Jan 9 '12 at 18:26

answered Jan 9 '12 at 17:39

 [Lirik](#)
17.5k 9 68 148

Does this involve both ANN and evolutionary algorithms? – [Nekcihc](#) Jan 9 '12 at 17:43

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- 1 I haven't personally taken the courses (too busy at work), but a co-worker of mine said that they do cover some neural network stuff. However, the class will give you a very broad introduction into ML/AI and you will learn about some libraries that have neural networks and genetic/evolutionary algorithms in them. If you want more hands-on examples of ANNs and GPs, then I will add a couple of links above. However, I would still recommend you take the classes first. – [Lirik](#) Jan 9 '12 at 18:17
-

That would be great! Okay, I will... Thank You!! – [Nekcihc](#) Jan 9 '12 at 18:22

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