Train a CNN on your custom dataset [Day 15 of 17]

"Adrian at PyImageSearch" <adrian@pyimagesearch.com>
收件人:navicester@163.com
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附　件:

The time has come.

Today, you're going to train a CNN on your custom dataset (which we created yesterday) using Keras and deep learning. If you're using the Pokemon dataset along with me, you're going to get one step closer to having your *very own Pokedex*, which is obviously a pretty big deal 😉

Of course, if you're using a different dataset, that's fine, too.

At any rate, today you'll take the images you've collected and use Keras and deep learning to train your Convolutional Neural Network to recognize and classify those images.

And all kidding aside, once you understand the concepts in this tutorial, you may find yourself exploring ideas for more practical implementations. If you want to get your hands on the most comprehensive resource available online and become an expert in deep learning for image recognition and classification, you need to take a look at *Deep Learning for Computer Vision with Python.*

If you're excited to solve real-world problems with deep learning, this is the training that will get you there *fast*. You'll find the kind of super-practical walkthroughs you've come to expect from the PyImageSearch blog, plus the hands-on tutorials that give you the algorithms behind deep learning for computer vision — and demonstrate *exactly how to implement them.*

Don't waste your time trying to cobble together an education from multiple sites, sources, and articles. *Deep Learning for Computer Vision with Python* is the premiere resource for serious developers, researchers, and students just like yourself to become experts in deep learning for image recognition and classification.

All that said...

Ready to train your CNN? Then head on over to today's lesson and dig in!

Cheers,

Adrian Rosebrock
Chief PyImageSearcher
