

## Twitter Thread by elvis

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The past month I've been writing detailed notes for the first 15 lectures of Stanford's NLP with Deep Learning. Notes contain code, equations, practical tips, references, etc.

As I tidy the notes, I need to figure out how to best publish them. Here are the topics covered so far:

# NLP with Deep Learning

-  [Lecture 0 - Getting Started](#)
-  [Lecture 0.1 - Intro to PyTorch](#)
-  [Lecture 1- Introduction and Word Vectors](#)
-  [Lecture 2 - Word Vectors, Word Senses, and Neural Classifiers](#)
-  [Lecture 3 - Backprop and NNs](#)
-  [Lecture 4 - Dependency Parsing](#)
-  [Lecture 4.1 - Training Neural Networks](#)
-  [Lecture 5 - LMs and RNNs](#)
-  [Lecture 6 - RNNs & LSTMs](#)
-  [Lecture 7 - Machine Translation, Sequence to Sequence and At...](#)
-  [Lecture 8 - Final Projects; Practical Tips](#)
-  [Lecture 9 - Self-Attention and Transformers](#)
-  [Lecture 10 - Pretraining Transformers](#)
-  [Lecture 11 - Question Answering](#)
-  [Lecture 12 - NLG](#)
-  [Lecture 13 - Coreference Resolution](#)
-  [Lecture 14 - T5 and Large Language Models](#)
-  [Lecture 15 - Add Knowledge to Language Models](#)

I know there are a lot of you interested in these from what I gathered 1 month ago. I want to make sure they are high quality before publishing, so I will spend some time working on that. Stay tuned!

<https://t.co/8LnkAZThlf>

I've been writing notes for the latest Deep Learning for NLP course by Stanford.

For fun, I also started to add my own code snippets into the notes. I think this is a more efficient way to study: theory + code.

Plan to share these notes soon. Stay tuned! [pic.twitter.com/hWzZDORbl6](https://pic.twitter.com/hWzZDORbl6)

— elvis (@omarsar0) [January 14, 2022](#)

Below is the course I've been auditing. My advice is you take it slow, there are some advanced concepts in the lectures. It took me 1 month (~3 hrs a day) to take rough notes for the first 15 lectures. Note that this is one semester of content.

<https://t.co/d9yoNz7Bbu>

I'm super excited about this project because my plan is to make the content more accessible so that a beginner can consume it more easily. It's tiring but I will keep at it because I know many of you will enjoy and find them useful. More announcements coming soon!

NLP is evolving so fast, so one idea with these notes is to create a live document that could be easily maintained by the community. Something like what we did before with NLP Overview: <https://t.co/Y8Z1Svjn24>

Let me know if you have any thoughts on this?