

About

EconDL is a comprehensive resource detailing applications of Deep Learning in Economics. This is a companion website to the paper *Deep Learning for Economists* and aims to be a go-to resource for economists and other social scientists for applying tools provided by deep learning in their research.

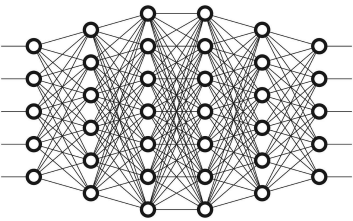
This website contains user-friendly software and dataset resources, and a knowledge base that goes into considerably more technical depth than is feasible in a review article. The demos implement various applications explored in the paper, largely using open-source packages designed with economists in mind. They require little background and will run in the cloud with minimal compute, allowing readers with no deep learning background to gain hands-on experience implementing the applications covered in the review.



About this knowledge base

This post provides an overview of the content of this knowledge base.

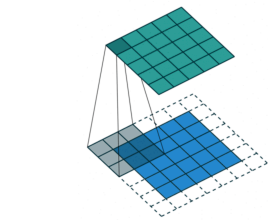
JANUARY 23, 2021 - 3 MINUTE READ - CATEGORY: *Overview* - TAGS: *Overview*



An Introduction to Deep Learning

Lecture 1: An Introduction to Deep Learning

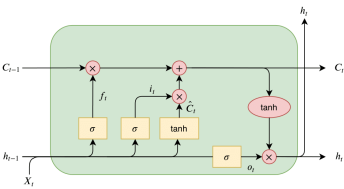
JANUARY 18, 2023 - 2 MINUTE READ - CATEGORY: *Intro* - TAGS: *Deep Learning*



Convolutional Neural Networks

Lecture 2: Covers Convolutional Neural Networks

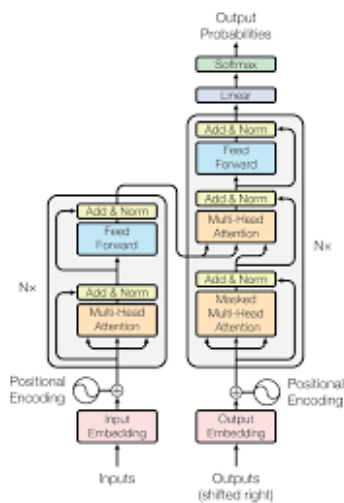
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Language Modeling, Recurrent Neural Nets and Seq2Seq

Lecture 3: Covers language models before transformers: RNNs, Seq2Seq, LSTM models

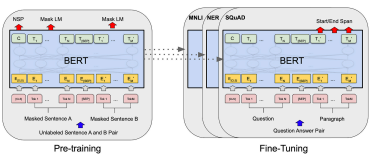
JANUARY 20, 2023 - 2 MINUTE READ - CATEGORY: *Intro* - TAGS: *Deep Learning*



The Transformer

Lecture 4: Covers transformer architecture in general and begins discussion on transformer language models

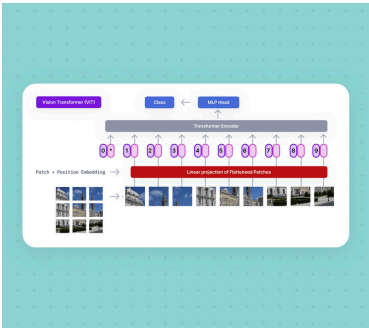
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More on Transformer Language Models

Lecture 5: Transformer language models

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Vision and Audio Transformers

Lecture 6: Vision and Audio Transformers

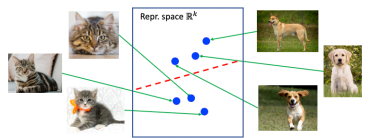
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Basics of Training and Optimizing Neural Networks

Lecture 7: Covers the basics of training and optimizing neural networks

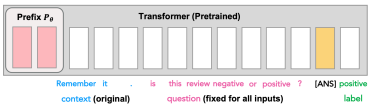
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Contrastive Learning

Lecture 8: Covers Contrastive Learning: Contrastive loss functions and associated model architectures.

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Prompt and Prefix Tuning

Lecture 9: Prompt and Prefix Tuning

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