

# Fine Tuning Word Representations

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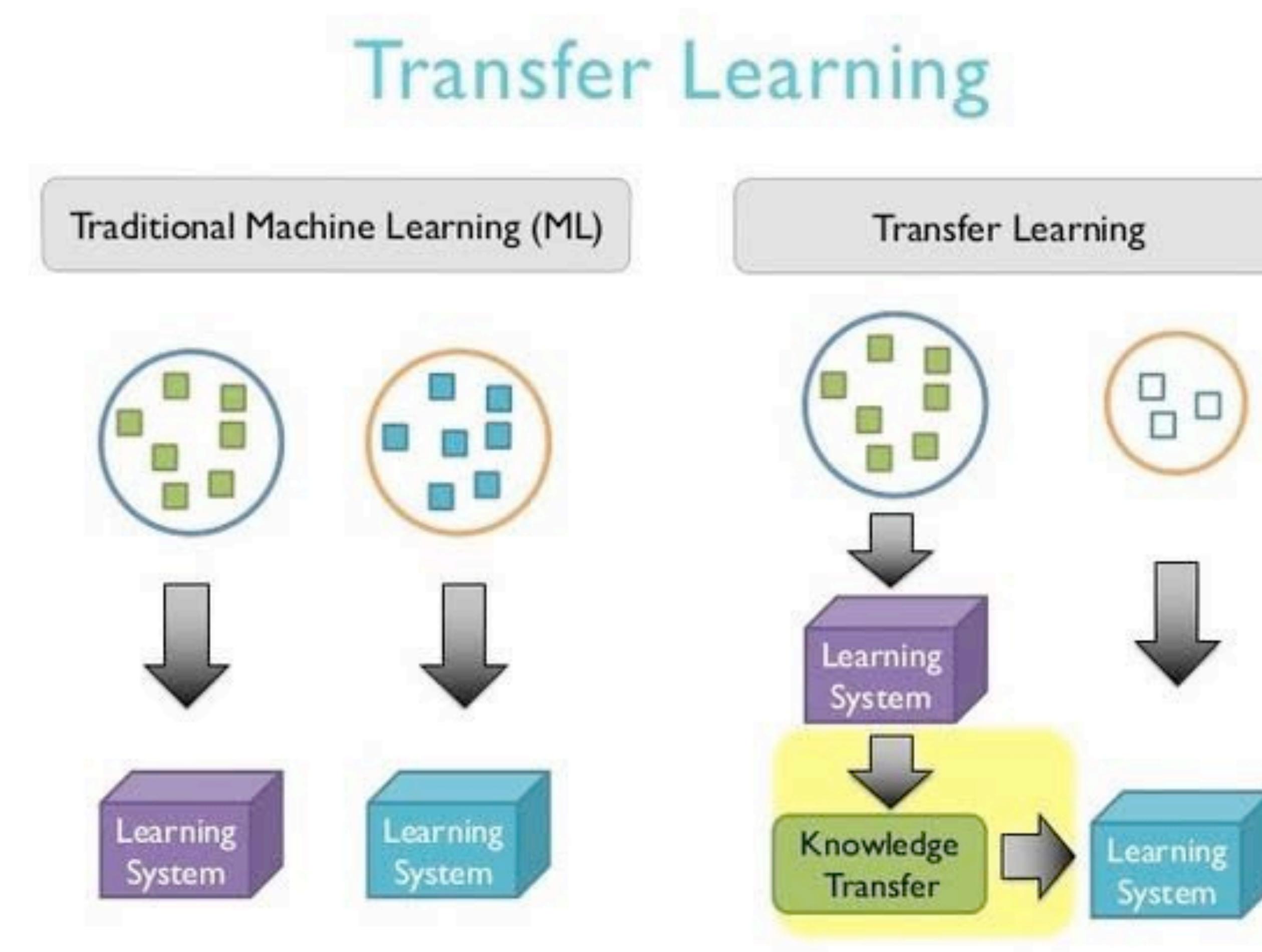
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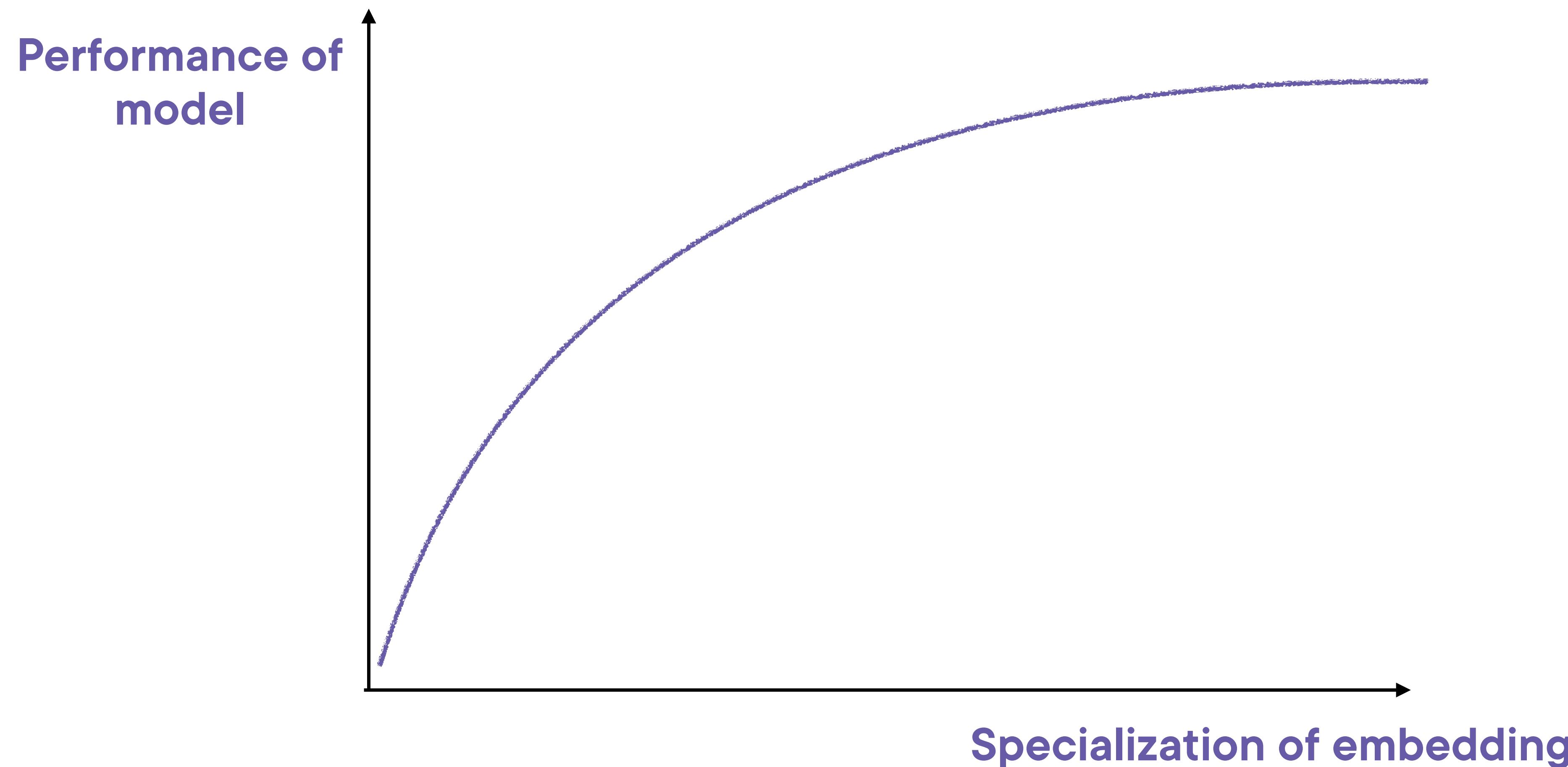


# Standing upon the Shoulders of Giants



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# Performance Vs Specialization



# Demo

**Finetune GloVe vectors as well as FastText**

Demo

**Visualise word clusters in embedding**

Demo

**Remove gender bias from language models**

# Takeaways



**We can fine-tune existing pretrained embeddings to make them specific to our corpus**



**We can also use gensim functionalities to better visualise the word representation**



**We should debiase our word embeddings**



**An embedding is as fair as the dataset it was trained on (which often is not the case)**

# Where To Go Next?

**Natural Language Processing with PyTorch @ Pluralsight**

**Sequence Models for Time Series and Natural Language Processing on Google Cloud @ Pluralsight**

**“Natural Language Processing with PyTorch” by Delip Rao and Brian McMahan**

**“Deep Learning” from Ian Goodfellow and Yoshua Bengio and Aaron Courville**

