"Remember to sign up for presentations."

-Kenneth

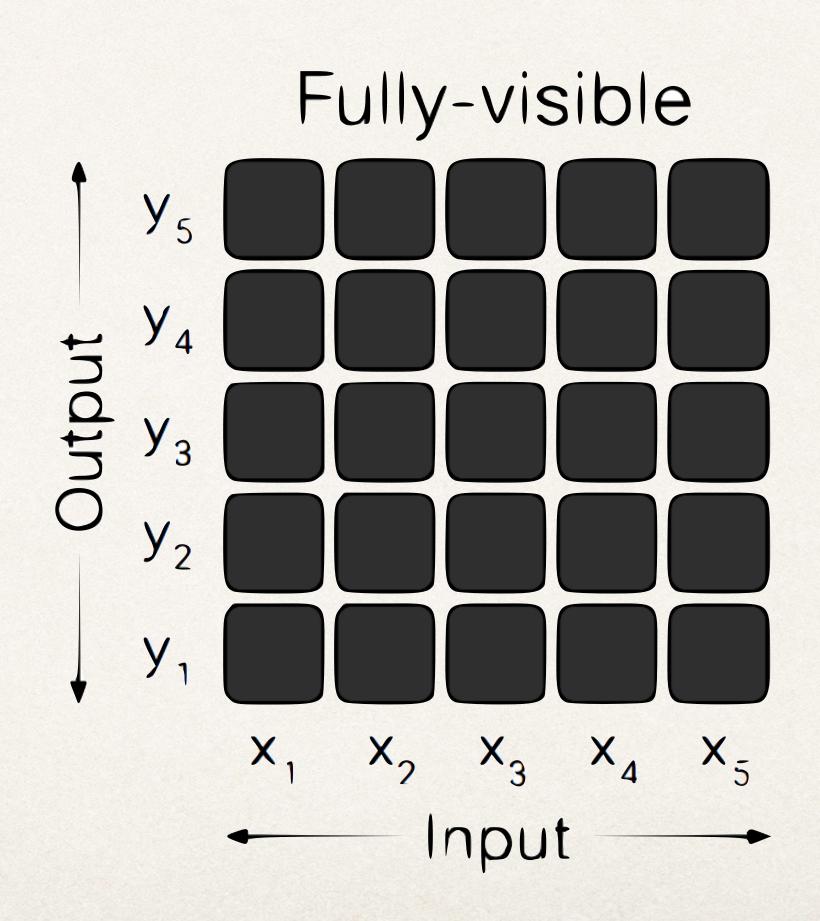
Training

Pretraining

- Learn general, useful representations that are transferable to multiple contexts
 - Usually from large, non-specialised datasets (e.g., wikipedia)
- Fine-tuning
 - Using the general, pretrained parameters as inputs that are further adjusted to a specific purpose

Training: encoder

- Pretraining
 - Different tasks can be used - but mostly masked language modelling



Training: encoder

Fine-tuning

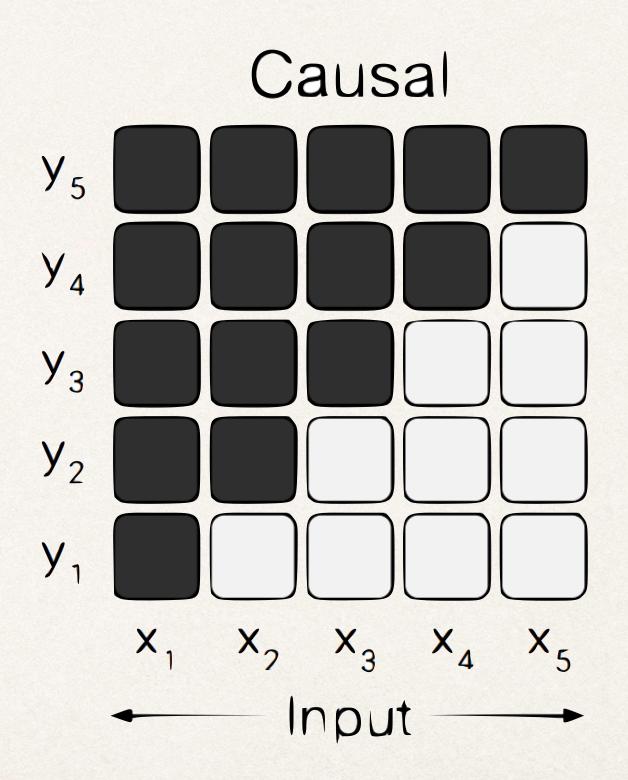
- * The goal is to adapt the learned representations to perform well on the particular task at hand, such as text classification or named entity recognition
- During finetuning, the encoder's weights are updated using the task-specific data, building on the general knowledge gained during pretraining

Example: medical notes

- * Let's say I have some medical notes, and I want to investigate, e.g., whether the notes can be used to investigate disease severity
- * "Patient is presenting with 3-day history of sore throat, nasal congestion, and mild cough."
- * "Patient has history of COPD presenting with progressive shortness of breath, admitted Thursday."

Training: decoder

- Pretraining
 - Language modelling task (next token prediction)



Training: decoder

- Fine-tuning
 - More language modelling

- * Type of fine tuning for language models (that are meant to be interactive)
- Misalignment between the language modelling objective (next token prediction) and user objective (responding to a query)

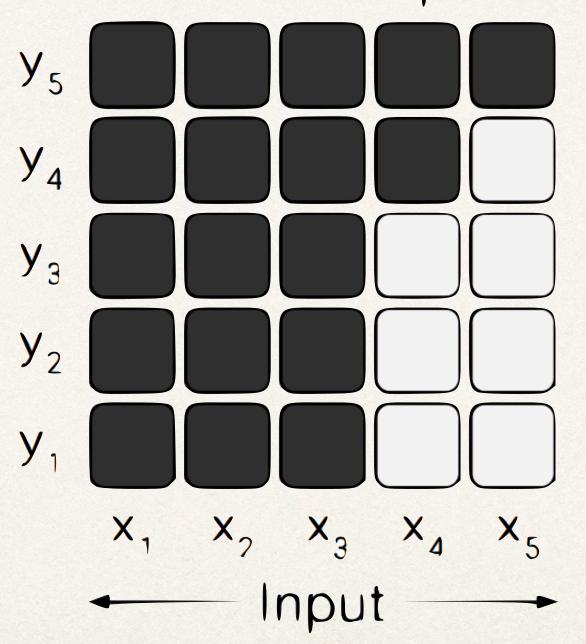
teach me how to bake bread

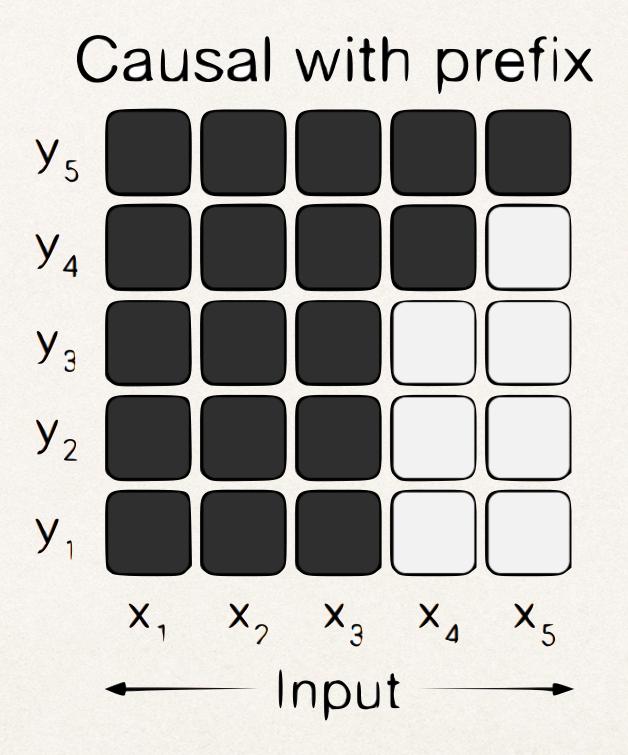


Absolutely, let's go through the process of baking a simple, classic loaf of bread!

teach me how to bake bread in a home oven

Language models do not answer - they append Causal with prefix





Answer the following question: teach me how to bake bread