

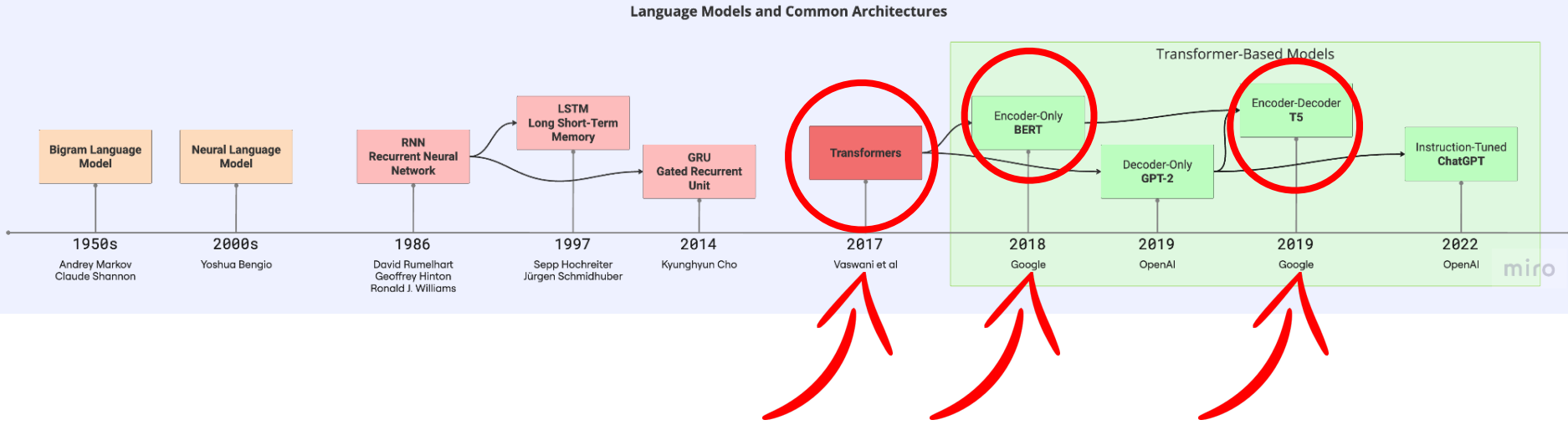
# NLP4Web

# Practice Session 11

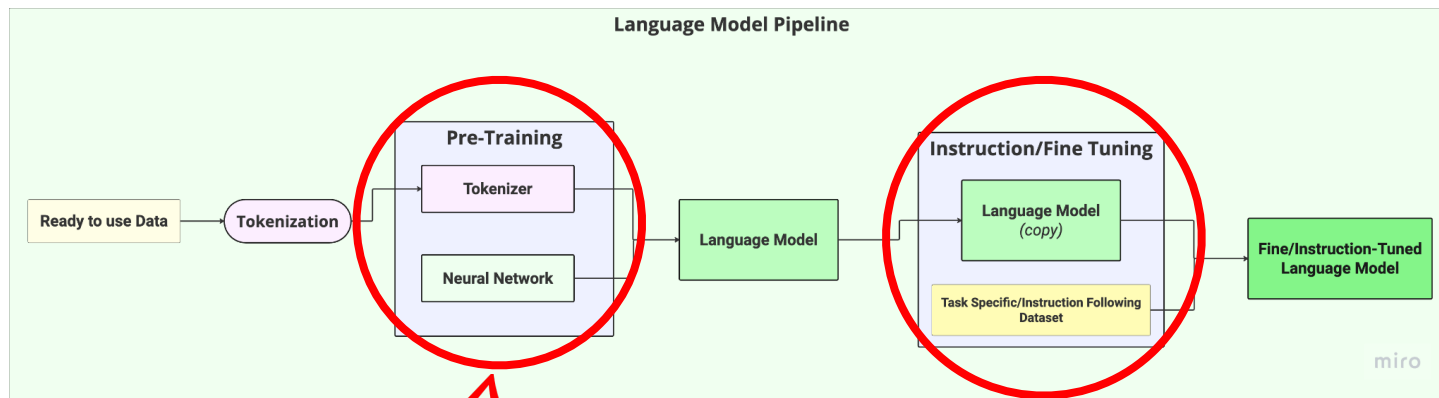
Pre-Training and Fine-Tuning

To not get lost in space over time, let's  
Use a **mind map**

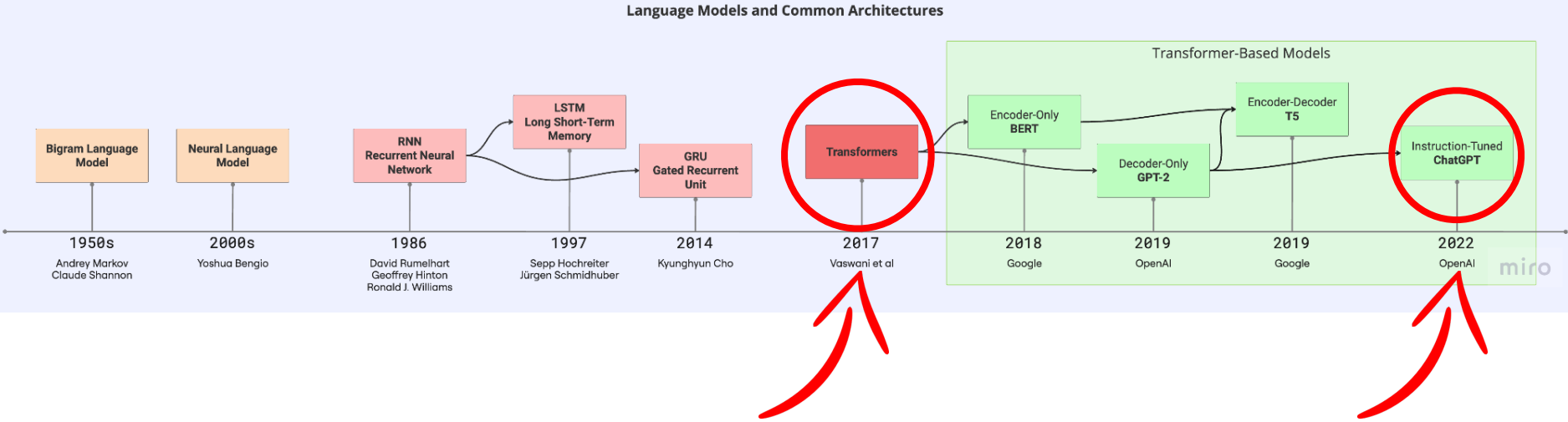
# Last time we covered



# Today's subject: Pre-Training, Fine-Tuning and Instruction-Tuning

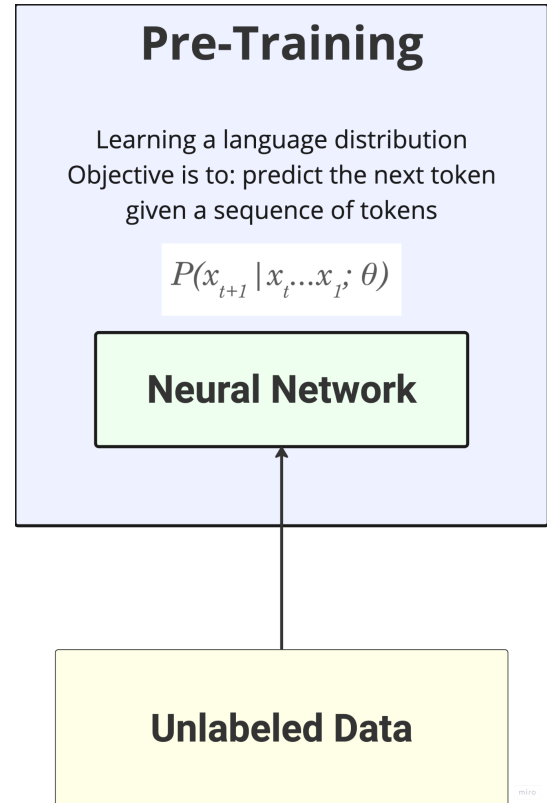


# Today's subject: Pre-Training, Fine-Tuning and Instruction-Tuning



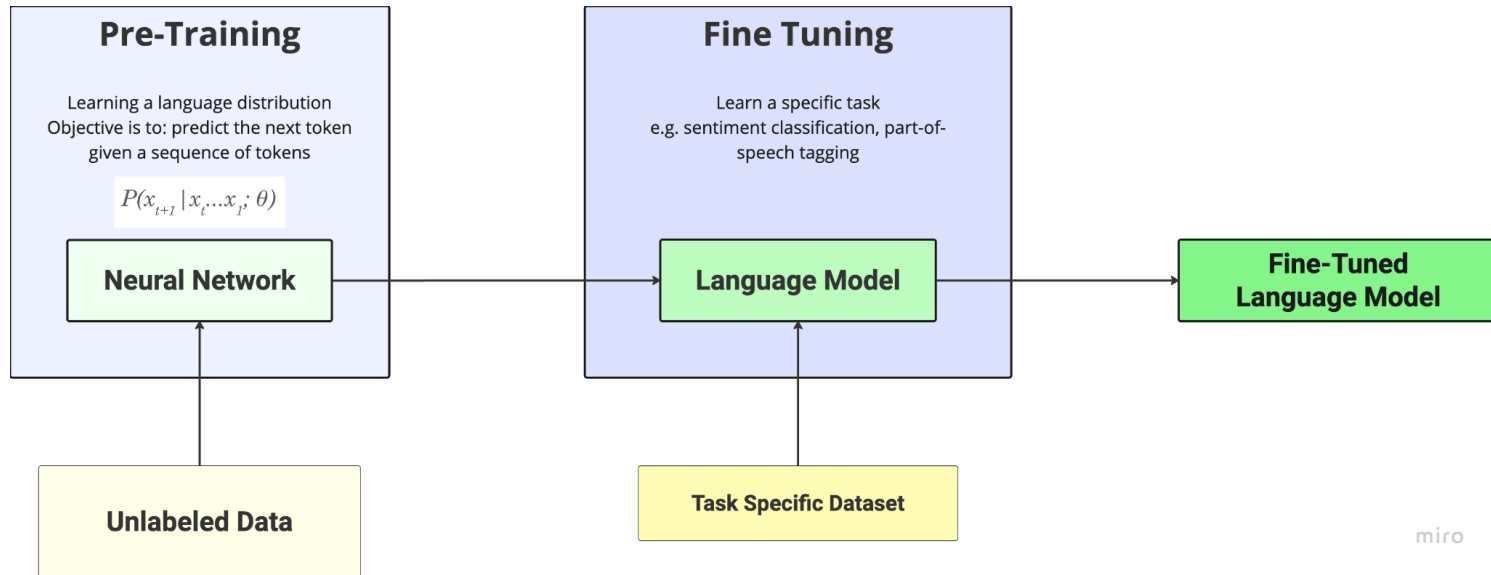
# Pre-Training Paradigm

- Train a neural network with language modeling objective on a huge corpora of unlabeled data



# Fine-Tuning Paradigm

- Use the Pre-Trained Language Model and continue training the model further on a specific task.
- Such as movie review and start pairs.
- Given a review of the movie predict the stars.



# Instruction-Tuning Paradigm

- Fine-tuning a pre-trained Language Model on a dataset of task-specific instructions and corresponding responses, enabling it to better understand and generalize across a range of natural language tasks.
- Aligns the model's behavior with human expectations, improving its ability to follow instructions in real-world scenarios.

