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Auto-regressive Models

Definition

- Constantly predicting the next token of the sequence.
- What's its difference with auto-encoding models?

Applications

- GPT series models 
- How to train an auto-regressive model?

$$P(w_t | w_{t-1}, w_{t-2}, \dots, w_{t-n})$$

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Class Roles



Teacher



Assistant



Classmate(s)



User

Dialogue History



Teacher

Now let's talk about auto-regressive models. They take in a sequence and constantly predict the next word of the sequence. To build and train these models, ...



Classmate

Thanks for the explanation! I've also heard that it is the most common model structure currently.



Assistant

Good question! ...

...

Interact with the class here ...



User

Wow, why is everyone using this seemingly simple model structure? What are its advantages?

Role Descriptions

Learning Materials

Dialogue History

D_T	D_A	D_C	D_U
C_1	C_2	C_n	
C_6	H_T	H_C	H_U

Class State Receptor

Class Session Controller



Manager



Select a Function



Select a Speaker

