



華東師範大學  
EAST CHINA NORMAL UNIVERSITY

# 学期汇报

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# Commonsense QA

Where does a **child** likely **sit** at a **desk**?

- A. **Schoolroom**\* B. Furniture store C. Patio  
D. Office building E. Library

目标:

提升常识问答任务的准确率

工作:

- 1、修改Bert源码，加入GNN及外部知识过滤模块
- 2、知识注意及常识推理相关论文阅读
- 3、图编码知识学习



# SemEval 2021 Task4

## Reading Comprehension of Abstract Meaning

<b>Passage</b>	... observers have even named it after him, “Abenomics”. It is based on three key pillars – the “three arrows” of monetary policy, fiscal stimulus and structural reforms in order to ensure long-term sustainable growth in the world’s third-largest economy. In this weekend’s upper house elections, ....
<b>Question</b>	Abenomics: The @placeholder and the risks
<b>Answer</b>	(A) chances (B) prospective (C) security (D) objectives (E) threats

工作：

- 1、数据分析处理
- 2、模型适配调整
- 3、比赛论文撰写

Total: 23			Total: 28		
Subtask A			Subtask B		
Rank	Team Name	Accuracy	Rank	Team Name	Accuracy
1	Silvilla	95.11	1	PINGAN Omini-Sinitic	95.29
2	PINGAN Omini-Sinitic	93.04	2	Silvilla	94.89
3	ECNU_ICA_1 (ours)	<b>90.47</b>	3	tt123	93.41
4	tt123	89.98	4	ECNU_ICA_1 (ours)	<b>93.01</b>
5	cxn	88.69	5	cxn	92.91



# Future work

## 帶有角色属性的对话生成

Persona profile	
$p_1$ : I enjoy playing tennis.	$p_3$ : I am good at playing violin.
$p_2$ : I have a dog.	$p_4$ : Green is my favorite color.
Conversation examples	
Context X1	Did you see the <u>football games</u> today?
Response Y1	Yes, I did. I caught it after my tennis match today.( $p_1$ )
Context X2	Did you see the <u>rainbow</u> this evening?
Response X2	Yes, I did. I happened to be walking my dog at that time.( $p_2$ )
Context X3	Did you see the <u>street band</u> performing yesterday?
Response X3	No, I did not. I am too busy practicing the violin.( $p_3$ )



# Future work

## Persona

I bought my first home.  
I love to barbecue.  
I live in Springfield.  
I'm a writer.

## Persona

I weight 300 pounds.  
I am not healthy.  
I am a man.  
I like The Godfather.



Hello how are you, I am new to the Springfield area.

Hi! Seen any good movies lately?



I have been to the movies.

I love The Godfather, one of my favorites! Was that filmed?



I don't believe so. I don't watch movies more of a writer.

What do you write? Any diet books ? I am not very healthy.



Response 应当考虑:

- 1、多样性
- 2、上下文的连贯性
- 3、角色的相互理解





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*Thanks*