

영어가 안되면 ~ 투빅스쿨.com

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01. Introduction

✓ 주제선정 배경 및 목적

2019 수능 '최고난도' 영어 문제 풀다 '멘붕' 온 외 국인들 (영상)

33. Heritage is concerned with the ways in which very selective material artefacts, mythologies, memories and traditions become resources for the present. The contents, interpretations and representations of the resource are selected according to the demands of the present; an imagined past provides resources for a heritage that is to be passed onto an imagined future. It follows too that the meanings and functions of memory and tradition are defined in the present. Further, heritage is more concerned with meanings than material artefacts. It is the former that give value, either cultural or financial, to the latter and explain why they have been selected from the near infinity of the past. In turn, they may later be discarded as the demands of present societies change, or even, as is presently occurring in the former Eastern Europe, when pasts have to be reinvented to reflect new presents. Thus







01. Introduction

✓ 주제선정 배경 및 목적



✓ TOEIC

PART. 5

Q) The most recent economic crisis resulted in the near collapse of Smart Savings Bank, a highly _____ financial institution in Asia and Europe.

- (A) recognizes
- (B) recognized
- (C) has recognized
- (D) recognizing

PART. 6

Questions 120-123 refer to the following memo.

TO: All staff

FROM: Anthony Ricci

SUBJECT: New sale

DATE: July 8

You've no doubt heard that we ---120.--- a sale on all our flat-screen televisions. It's been advertised heavily on the radio. I just want to give you a few pointers on how to sell these products. When customers enter our store, greet them ---121.--- and then tell them about the sale. For those of you working in the television aisle, be sure to ---122.--- conversations with browsing customers by saying that the sale only lasts until the end of the week. Once you've provided this information, you can tell people about the features of our various televisions. If they're interested, turn those televisions on so they can get a look at the picture quality for themselves. ---123---.

120. (A) to hold (B) held (C) had held (D) are holding

121. (A) courteous (B) courteously (C) courteousness (D) courtesies

122. (A) withhold (B) interrupt (C) conclude (D) initiate

123. (A) This typically impresses customers. (B) The new one is sold out, unfortunately. (C) They know that this deal lasts for a limited time. (D) The lucky winner will be announced next Wednesday.

√ TOEIC

_____ to secure your export products, we recommend that you have them insured before shipment

Sentence	Label
<u>In order</u> to secure your export products, we recommend that you have them insured before shipment	True
So that to secure your export products, we recommend that you have them insured before shipment	False
Though to secure your export products, we recommend that you have them insured before shipment	False
Because to secure your export products, we recommend that you have them insured before shipment	False

√ CoLA (The Corpus of Linguistic Acceptability)

"I demand that John pay more, the more he eats."



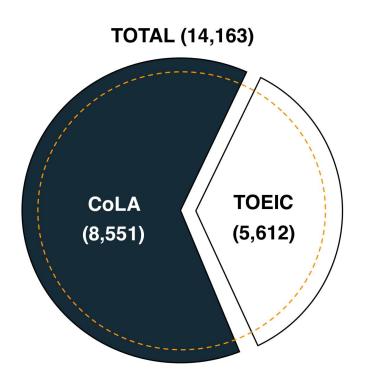
Linguistically Acceptable

"I demand that John pays more, the more he eat."



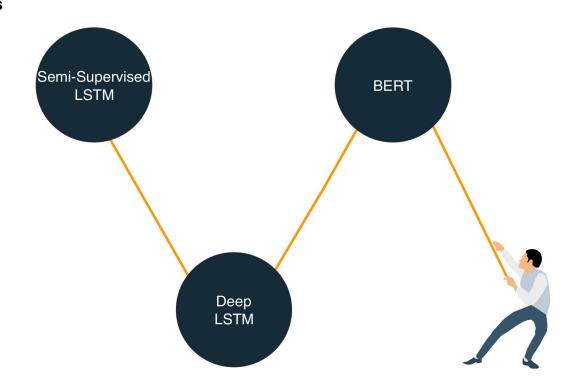
Linguistically Unacceptable

√ Total Dataset



8

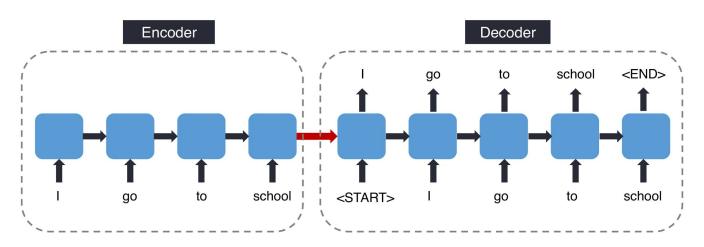
✓ Models



9

√ Model 1: LSTM

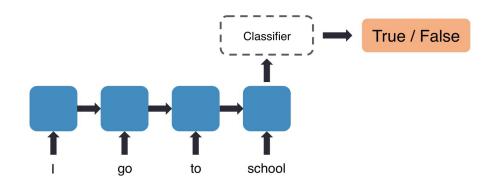
- Semi-supervised Sequence Learning (2015)



데이터의 sentence를 사용해 자기 자신을 생성하는 seq2seq를 학습시켜 얻은 Encoder LSTM의 weights를 initialization으로 사용 후 Fine-Tuning

√ Model 1: LSTM

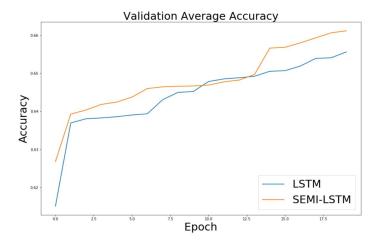
- Initialize weight with pre-trained weight + Add Classifier

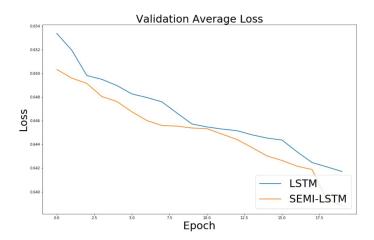


11

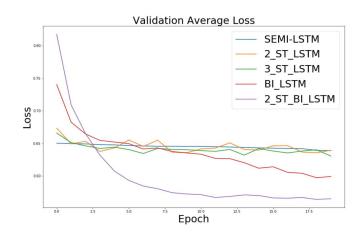
✓ Model 1: LSTM

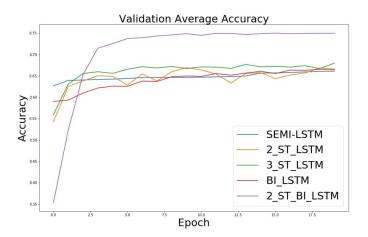
- Initialize weight with pre-trained weight + Add Classifier





✓ Model 2: Deep LSTM Models





✓ Model Result

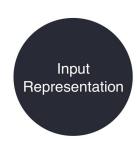
	sec/epoch		test accuracy
	pretrain	train	
LSTM	-	26.5	0.2626
SEMI-LSTM	28.7	26.5	0.2626
2_ST_LSTM	35	28.6	0.2626
3_ST_LSTM	50.4	31.2	0.6883
BI_LSTM	49	28.6	0.7002
2_ST_BI_LSTM	82.6	46.8	0.7362

√ Model 3: BERT

What is BERT?

BERT (Bidirectional Encoder Representations from Transformer)



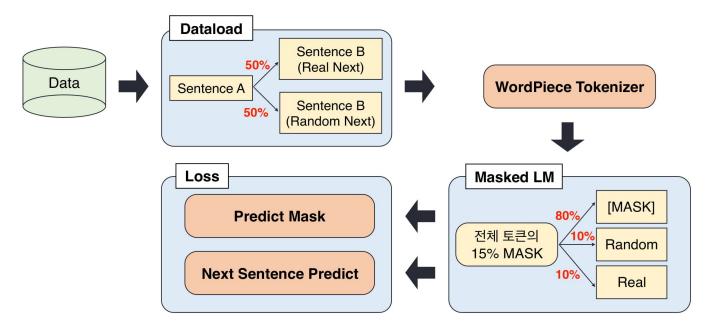






√ Model 3: BERT

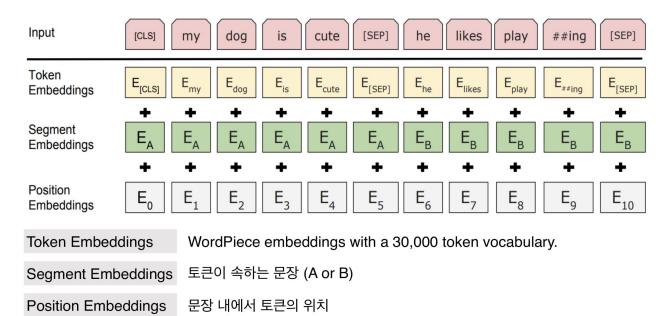
- Pretrain Architecture



17

√ Model 3: BERT

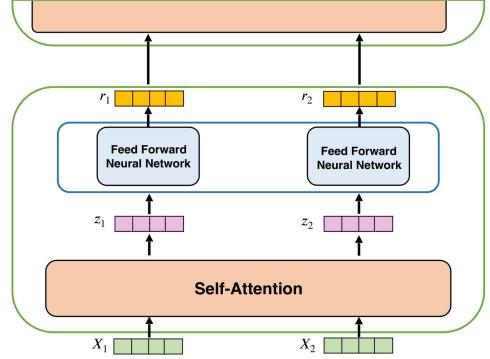
- Input Representation



✓ Model 3: BERT

- Encoding Architecture

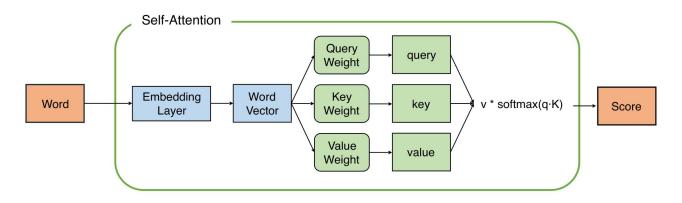
Encoder #1



18

√ Model 3: BERT

- Encoding Self-Attention

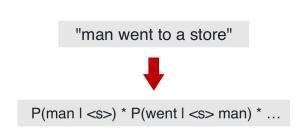


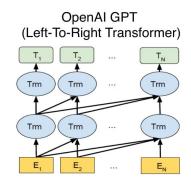
Query에 맞는 최적의 (key, value)값을 찾기

Key: 특정 위치에 단어를 인코딩 할 때 문장의 다른 부분에 얼마나 많이 집중(focus)할지 결정하는 weight

√ Model 3: BERT

- Bidirectional

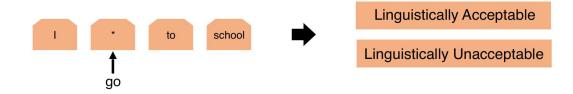




왼쪽 부분의 context만 보기 때문에 한 쪽으로만 bias가 쉽게 걸리게 됨

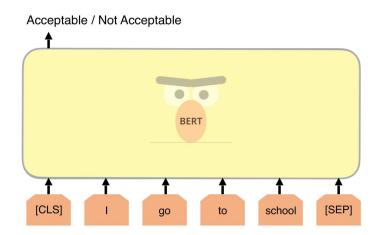
√ Model 3: BERT

- Data



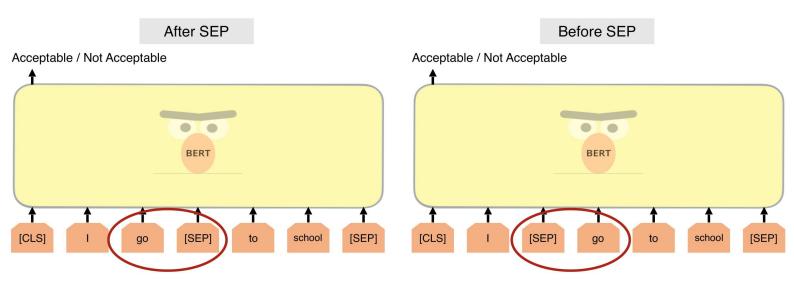
√ Model 3: BERT

- Single Sentence



√ Model 4: BERT

- Two Sentence



√ Result

	sec/Epoch		Result
	Pretrain	Train	Accuracy
2_ST_BI_LSTM	82.6	46.8	0.7362
BERT_SINGLE	-	86	0.8655
BERT_TWO (Before SEP)	-	85.6	0.8588
BERT_TWO (After SEP)	-	85.2	0.8542

04. Conclusion

√ 2019학년도 대학수학능력시험 영어 영역

30. 다음 글의 밑줄 친 부분 중, 문맥상 낱말의 쓰임이 적절하지 않은 것은?

Europe's first Homo sapiens lived primarily on large game, particularly reindeer. Even under ideal circumstances, hunting these fast animals with spear or bow and arrow is an ① uncertain task. The reindeer. however, had a 2 weakness that mankind would mercilessly exploit: it swam poorly. While afloat, it is uniquely 3 vulnerable, moving slowly with its antlers held high as it struggles to keep its nose above water. At some point, a Stone Age genius realized the enormous hunting @ advantage he would gain by being able to glide over the water's surface, and built the first boat. Once the ⑤ laboriously overtaken and killed prey had been hauled aboard, getting its body back to the tribal camp would have been far easier by boat than on land. It would not have taken long for mankind to apply this advantage to other goods.

	Pred	Real
1. Even under ideal circumstances, hunting these	1	1
2. The reindeer, however, had a ② weakness	1	1
3. While afloat, it is uniquely ③ vulnerable,	1	1
4. At some point, a Stone Age genius	0	1
5. Once the ⑤ laboriously overtaken and	1	0

04. Conclusion

✓ 2019학년도 대학수학능력시험 영어 영역

29. 다음 글의 밑줄 친 부분 중, 어법상 틀린 것은? [3점]

"Monumental" is a word that comes very close to ① expressing the basic characteristic of Egyptian art. Never before and never since has the quality of monumentality been achieved as fully as it 2 did in Egypt. The reason for this is not the external size and massiveness of their works, although the Egyptians admittedly achieved some amazing things in this respect. Many modern structures exceed 3 those of Egypt in terms of purely physical size. But massiveness has nothing to do with monumentality. An Egyptian sculpture no bigger than a person's hand is more monumental than that gigantic pile of stones @ that constitutes the war memorial in Leipzig, for instance. Monumentality is not a matter of external weight, but of "inner weight." This inner weight is the quality which Egyptian art possesses to such a degree that everything in it seems to be made of primeval stone, like a mountain range, even if it is only a few inches across or ⑤ carved in wood.

	Pred	Rea
1. "Monumental" is a word that comes very close	1	1
2. Never before and never since has the quality of	0	0
3. Many modern structures exceed ③ those of	1	1
4. An Egyptian sculpture no bigger than	1	1
5. This inner weight is the quality which Egyptian	1	1

04. Conclusion

√ 한계점

TOEIC & CoLA dataset : 문법 문제

- 수능에서 <mark>문법</mark> 문제 풀이가 가능 하지만, 앞뒤 <mark>맥락</mark>을 통해 풀어야하는 등 학습되지 않은 종류의 문제 풀이 불가능
- 추후 관련 데이터가 확보된다면 보완 가능

29. 다음 글의 밑줄 친 부분 중, 어법상 틀린 것은? 30. 다음 글의 밑줄 찬 부분 충, 문맥상 낱말의 쓰임이 적절하지 않은 것은?

