

Action prediction . . .

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Abstract

Last but not least (this is the last piece of work)

1. Introduction

Brief description of the task and the goals.

2. Background

Introduction

2.1. SIMMC

2.1.1 Data description

2.2. BERT and Transformers

3. Model

What and why

3.1. Input manipulation

Here we can describe the tensor dataset structure and the tokenized input value, *e.g.*

[CLS]	Q1	L1			
[CLS]	Q1	A1	[SEP]	Q2	L2
[CLS]	Q2	A2	[SEP]	Q3	L3
[CLS]	Q3	A3	[SEP]	Q4	L4

Table 1. Sentences composition

The tab. 2 . . .

3.2. Added layers - Activation functions

3.3. Loss function

3.3.1 Actions

3.3.2 Attributes

3.4. Tuning

- epochs
- batches

- learning rate

- . . .

4. Results

4.1. Evaluation on test set

Inserire train loss ecc.?

Batch	Epoch	Out Hid.	Act. acc.	Perpl.	Att. acc.	Tr.Loss
12	4	256	84.25	3.16	73.70	
14	4	256	85.21	2.57	74.70	
14	2	256	84.55	2.09	71.05	
14	2	768	84.97	2.24	73.16	
14	3	768	84.68	2.43	72.87	

Table 2. Result table

overfitting analysis - plots - confusion matrix

5. Conclusion