Transformers and User Intent

Brandon Szeto
Jacobs School of Engineering
University of California, San Diego
San Diego, CA 92122
bszeto@ucsd.edu

Darren Yu
Jacobs School of Engineering
University of California, San Diego
San Diego, CA 92122
dmyu@ucsd.edu

Nathaniel Thomas
Jacobs School of Engineering
University of California, San Diego
San Diego, CA 92122
nathomas@ucsd.edu

Abstract

Preprint. Under review.

Introduction

Related Works

Long Short-Term Memory

Methods

(a) It has at least 3 subsections for baseline/custom/contrastive learning. Each of the subsection should start with the final experimental settings you decide that we do not specify, including parameters of the library functions (except for defaults), hyperparameters you choose etc. These experimental setting should correspond to your best results.

Baseline

Custom

Contrastive

Results

Summarize and document the results for all experiments (Baseline Model, Custom Finetuning Strategies, SupContrast and SimCLR). (a) Include the table(s) (for the 6 experiments as indicated above with "exp idx") (b) Provide your training and validation accuracy in each plot for the following 5 models i. Baseline model ii. first fine-tuning technique iii. second fine-tuning technique iv. SupContrast v. SimCLR

Discussion

(a) Answer the 11 questions. Answer in the following format (11 pts): Q1: If we do not fine-tune the model, what is your expected test accuracy? Why? A1 : <Fill in Answer> (b) Feel free to include any other points that need to be discussed.

Contributions

Brandon Szeto: Dataloader, tokenizer, baseline model

Darren Yu:

Nathaniel Thomas:

References