

Pattern Exploitative Training

PET or [Pattern Exploitative Training](#)

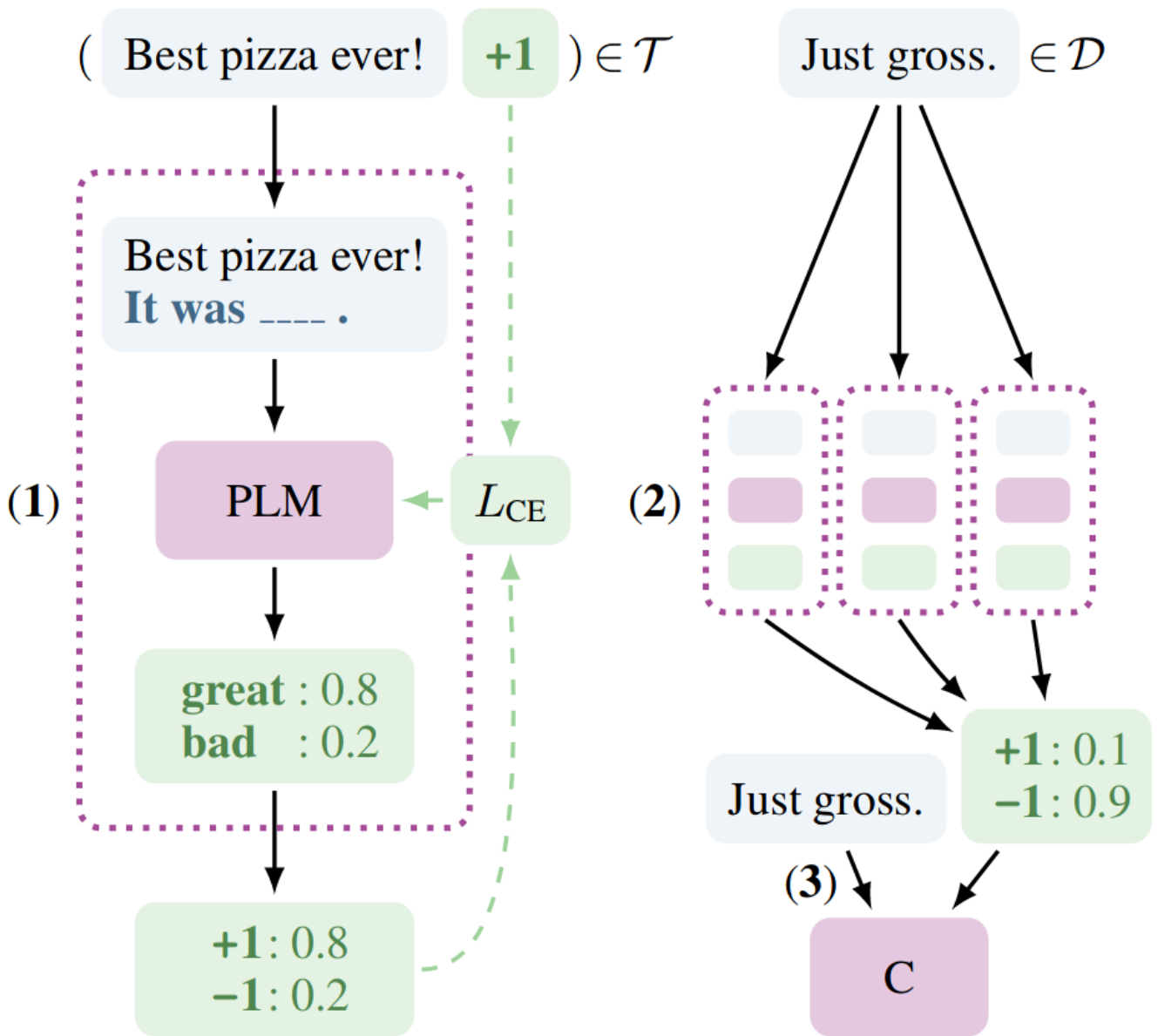


Figure 1: PET for sentiment classification. **(1)** A number of patterns encoding some form of task description are created to convert training examples to cloze questions; for each pattern, a pretrained language model is finetuned. **(2)** The ensemble of trained models annotates unlabeled data. **(3)** A classifier is trained on the resulting soft-labeled dataset.

@article{schick2020exploiting,

title={Exploiting Cloze Questions for Few-Shot Text Classification and Natural Language Inference},

author={Timo Schick and Hinrich Schütze},

```
journal={Computing Research Repository},  
volume={arXiv:2001.07676},  
url={http://arxiv.org/abs/2001.07676},  
year={2020}  
}
```

```
@article{schick2020small,  
  title={It's Not Just Size That Matters: Small Language Models Are Also Few-Shot Learners},  
  author={Timo Schick and Hinrich Schütze},  
  journal={Computing Research Repository},  
  volume={arXiv:2009.07118},  
  url={http://arxiv.org/abs/2009.07118},  
  year={2020}  
}
```

Revision #5

Created 11 February 2022 14:46:33 by James

Updated 11 February 2024 16:25:26 by James