Pattern Exploitative Training

PET or Pattern Exploitative Training

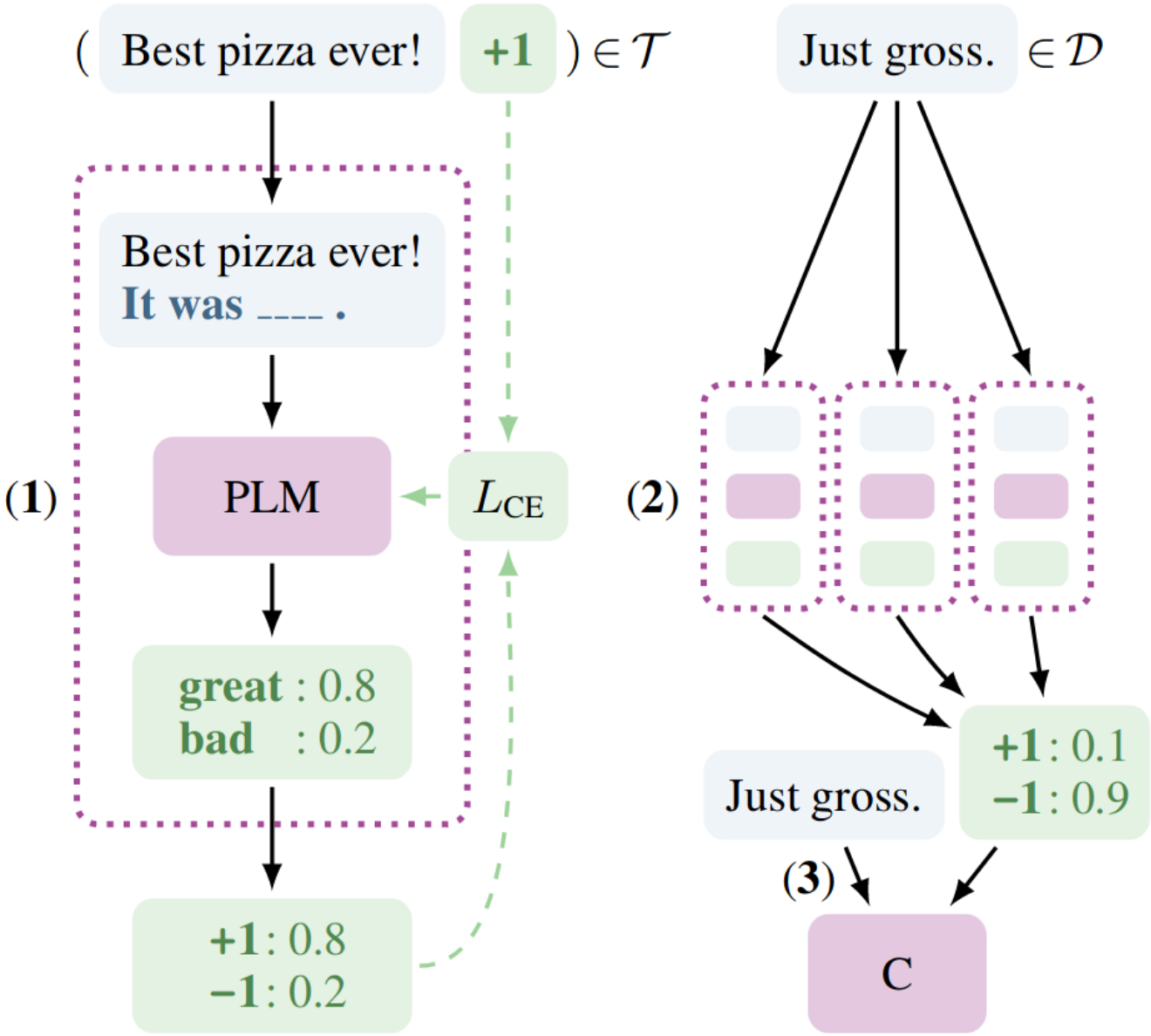

Figure 1: PET for sentiment classification. **(1)** A number of patterns encoding some form of task description are created to convert training examples to cloze questions; for each pattern, a pretrained language model is finetuned. **(2)** The ensemble of trained models annotates unlabeled data. **(3)**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