Algorithm 1 Model Testing and Comparison

Load Model Configuration, Model, and Tokenizer
config = AutoConfig.from_pretrained(model_folder)
model = AutoModelForSequenceClassification.from_pretrained(model_folder, config=config)
tokenizer = AutoTokenizer.from_pretrained(model_folder)
Set Maximum Sequence Length
max_length = 512
Make Predictions
predictions = []
for text in data **do**
    inputs = tokenizer(text, return_tensors="pt", truncation=True, max_length=max_length)
    with torch.no_grad(): {Turn off gradients to speed up the prediction}
    outputs = model(**inputs)
    prediction = outputs.logits.argmax(dim=-1).item()
    predictions.append(prediction)
end for