

LLM fine-tuning

What data is required to fine-tune an LLM?



How much data is needed?

Compared to training an LLM from scratch – extremely little.

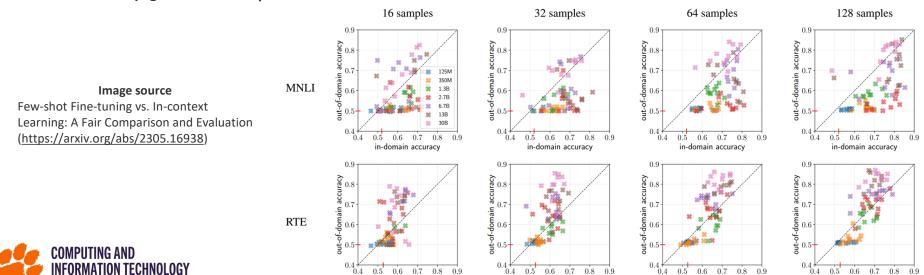
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- As few as ten can see benefits, but 50-100 are often needed. Typically, more is better.
- It is advisable to set aside some data as a holdout set, to evaluate the results of the fine-tuning.
 - Consider whether it is appropriate in your case for the evaluation set to be distributionally different from the training set (e.g., social media posts collected after the training data).

in-domain accuracy

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in-domain accuracy

What kind of data is needed?

- For fine-tuning, it is crucial that your data be of consistent high quality, especially if small.
- Your data should constitute prompt/completion pairs representative of your desired LLM behavior.
- Data can be stored as, e.g., a csv with a column for the prompt and one for the completion; or similarly, as JSON.

