loday: internediate tast fine-tuning - imagine I am trying to optimize perf. on SQUAD SQUAD-Specialited model lots of unlabeled SQUAD training can we leverage other QA datasets to improve our SQUAD test-time part? 1) one way: multi-tast learning SQUAD-SPECIATED mode BERT (MLM) pretraining





assume un train on SQUAD+HOTPOTQA -MTL:

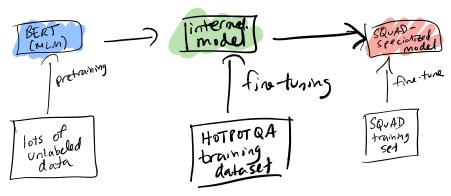
L= > LSQUAD + (1->) LHOTPOTQA

if I care about

SQUAD, maybe I

Use a high >

- how to choose X?



1. how do we know what intermediate test will result in the biggest downstream improvem?

— task similarity (e.g. QA/QA VS.

Sentiment/QA)

- Size of internediate data set (e.g. 100 QA examples VS-100,000 sentiment examples)

- domain similanty

(e.g. 10,000 QA examples from medical journals vs.

10,000 sentiment examples from Wikipedia)

- Can we predict which task (out of Some finite set of tesks) will be most useful as an intermediate task given a specific downstream dataset?

