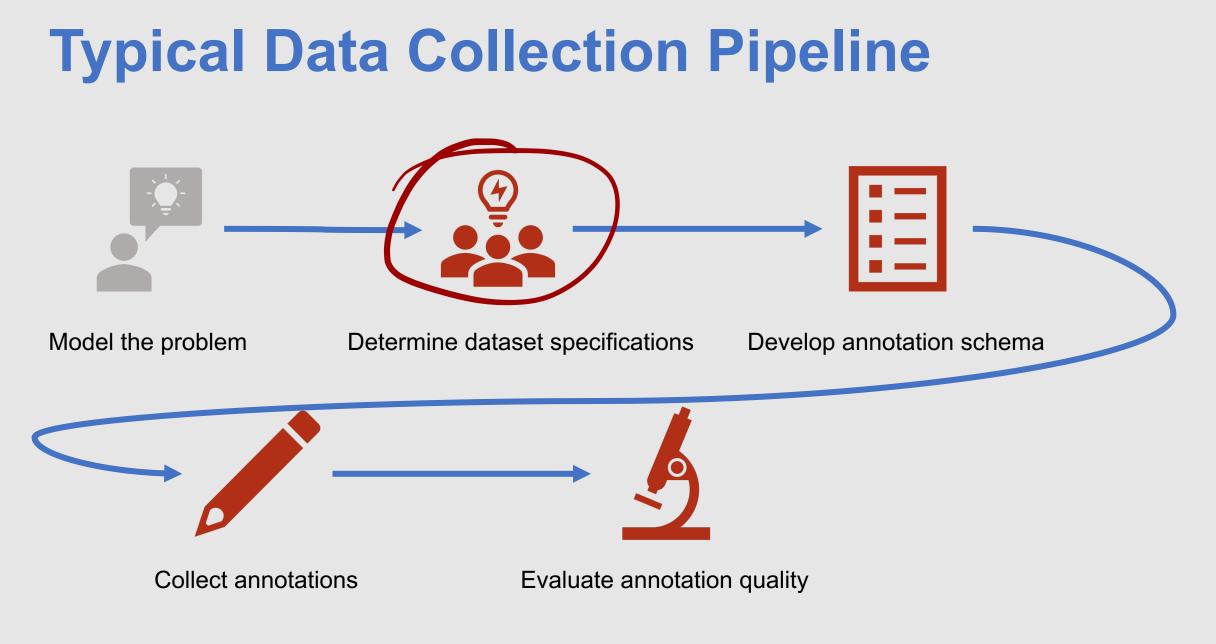
Determining Dataset Specifications



Dataset Specifications

- Conduct background research!
 - See what related corpora (if any) already exist for your task
 - Same task, different domain?
 - Same domain, different task?
- Review existing annotation schemes in areas close to your planned dataset

Where to look for related corpora?



Linguistic Data Consortium

https://www.ldc.upenn.edu/

European Language Resources Association

http://www.elra.info/en/

Linguistic Resources and Evaluation Map

http://lremap.elra.info/

Google Dataset Search

https://toolbox.google.com/datasets earch



AWS Open Data Registry

https://registry.opendata.aws/

Other places to search....

NLP Conferences

- LREC
 - http://www.lrec-conf.org/
- ACL Anthology
 - <u>https://www.aclweb.org/anthology/</u>

NLP Challenges

- SemEval
 - http://alt.qcri.org/semeval2020/index.php?id=tasks
- CoNLL Shared Task
 - <u>https://www.conll.org/previous-tasks</u>

Determine Dataset Sources

- Ensure that sources are representative of the domain you're trying to model
- Make sure to fully document:
 - From where the data was obtained
 - Why it was selected
- Try to keep the corpus **balanced** across your desired annotation categories

Planning to make the dataset public?

- Make sure you have permission!
- Decide what type of license you will use

Common Data Sources in NLP

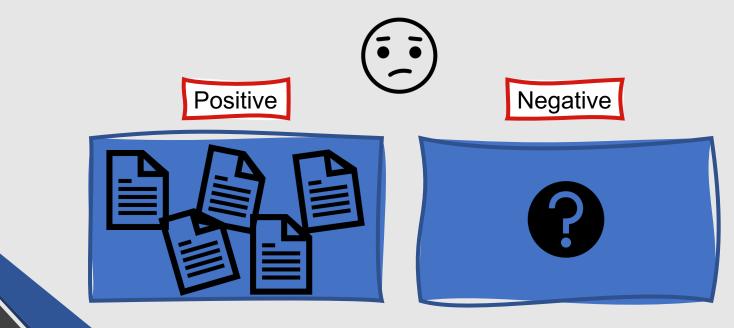


Collecting Data from People

- Common when you need to elicit speech or text samples from humans performing some specific task
- Usually requires IRB approval
- Two main types of data can be collected from people:
 - Read Speech: Have each person read the same set of sentences or words out loud
 - Spontaneous Speech/Text: Give people prompts or ask them open-ended questions, and collect their responses

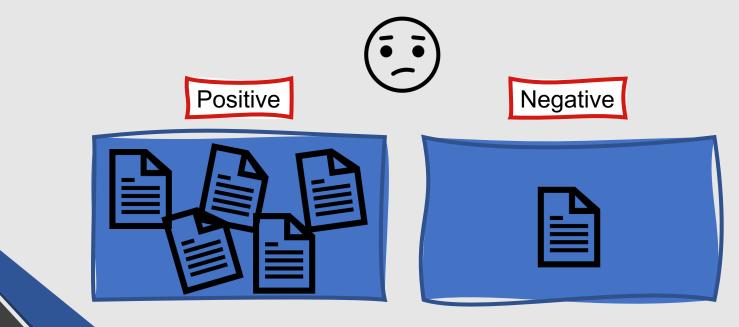
Achieving a Representative and Balanced Corpus **Representative:** The corpus contains samples of all text categories

Balanced: The corpus contains realistic (in many cases, equal is ideal) distributions of all text categories



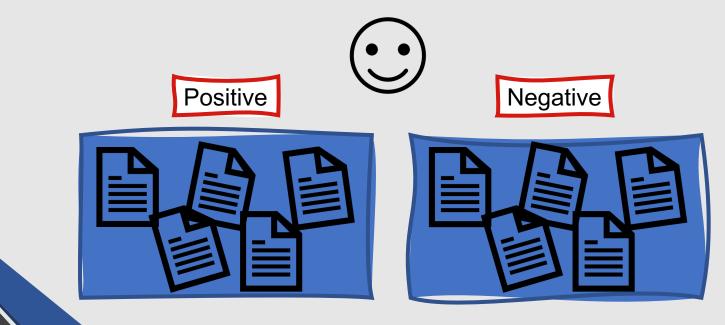
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Corpus Size

- How much data are you going to collect and annotate?
 - Generally, more data \rightarrow better
 - However, more data also \rightarrow more time and money
- Start small and see how your annotation task and guidelines work before scaling up
- Refer to similar existing corpora to get a general idea of desired corpus size

