Final project proposal

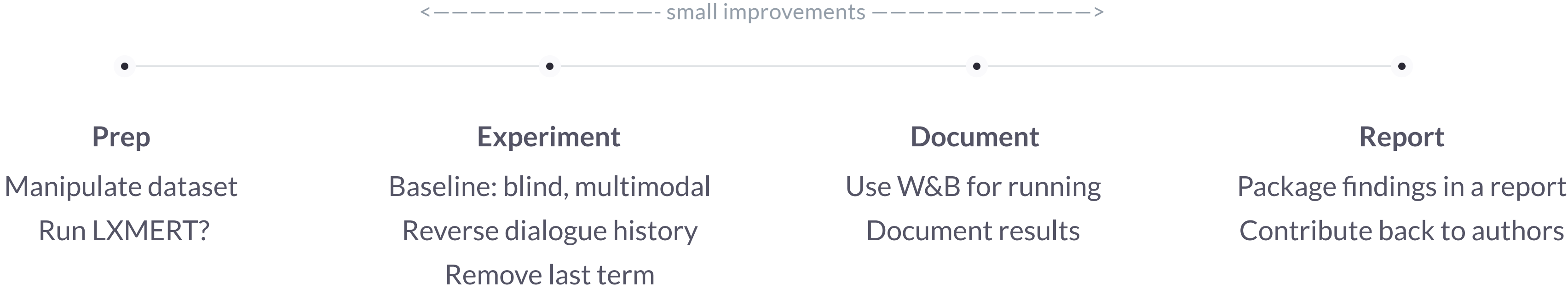Ryazanskaya, Verma, Atanasoska

What we didn't manage, future plans

- We obtained the features needed to run LXMERT, however we lacked computational resources
- Primary goal was to reproduce : we keep a list of small improvements to make

Future plans:

- Remove the raw category from the dataset and run all the experiments again (authors suggestion)
- Run LXMERT (we have strategies in mind to compensate)
- Contribute back to the authors
- Implement some of the small improvements, as time allows

Reimplementation/Reproduction plan

<———————————- small improvements ——————————————>

Prep	**Experiment**	**Document**	**Report**
Manipulate dataset	Baseline: blind, multimodal	Use W&B for running	Package findings in a report
Run LXMERT?	Reverse dialogue history	Document results	Contribute back to authors
	Remove last term		

Small improvements list

General:

- remove all unused files
- docs: W&B project name and entity set up, the Decider
- remove the Tensorboard dependency (eg. vis.py)
- blend the experiments file for clarity and speed
- increase speed closer to max GPU% (for LSTM models)

Testing and training:

- create ResNet image and object features on the go (add or modify option)
- save and show the best checkpoint
- integrate testing in the train script and trigger it with the best epoch
- combine all the run(train/test) scripts in one

Project repository and docs

- https://github.com/TamaraAtanasoska/dialogue-history