

Methodology Proposal by Ankit Sapkota

On my latest literature review, I found the paper by Daya Sagar et al. to be the most recent work on our topic. I think pulling our research work from his previous work will be the best way ahead. I feel my literature review is not adequate in terms of international development; we should still search for international papers on this topic. I have skimmed through many papers, and I'll throw in the few ones I have downloaded. One of my best reads on an international paper cited gloss-based translation, which aimed to output the final meaning of spoken sign language instead of translating each word.

Conclusion to the literature review:

We are still good if we don't want to read more papers, but we definitely need to read more if we want to strive for the best.

Now onto the methodology part.

Keeping this thought in mind that we might do further literature review and might have to update the methodology, I just want to propose the threshold scope of work which must be done.

1. Data Collection:

Before putting your minimum thought on this, I want all of you guys to have read the Daya Sagar paper word by word. As told in the paper, I expect we might need to find some hearing-impaired school for data collection until we get lucky on our data request, at last I am open to other new alternatives on data collection.

2. Data Preprocessing:

I want yet another literature review before this work. We need to know the international best practices for data processing for this application. I will also contribute to this work.

3. Training Models:

Pulling from Daya Sagar's work, either we can try our luck on sign language translation or do yet another literature review to get a better idea of which architecture might give better results with our data.

4. Evaluation and Documentation:

Like always.