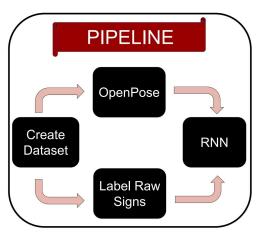
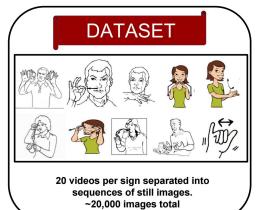


SignNet

Grant Fisher and Daniel Book gfisher7@stanford.edu dbook@stanford.edu

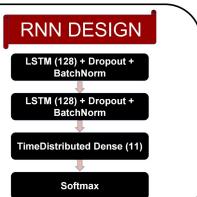








Output: JSON file with 390 entries for pose, face, right hand, and left hand



RESULTS

After training the model for 20 epochs:

- Train Categorical Accuracy: 91%
- Test Categorical Accuracy: 90%
- Loss Function: Categorical Cross Entropy (0.322)

FUTURE

- More signs
- User interface
- "Alexa" for sign language

REFERENCES

- N. Caselli, Z. Sevcikova Sehyr, A. Cohen-Goldberg and K. Emmorey, "ASL-LEX: A lexical database for American Sign Language. Behavior Research Methods," 2016.