UDACITY

PROJECT

Build a Sign Language Recognizer

A part of the Artificial Intelligence Nanodegree and Specializations Program

PROJECT REVIEW

CODE REVIEW 4

NOTES

SHARE YOUR ACCOMPLISHMENT!

Meets Specifications

The project has met all the specifications. Hope you enjoyed working on all the 4 projects. Good luck for term2 😃

PART 1: Data

1. Student provides correct alternate feature sets: delta, polar, normalized, and custom.
2. Student passes unit tests.
3. Student provides a reasonable explanation for what custom set was chosen and why (Q1).

The custom set of features is correctly implemented. The answer to Q1 is well written and the unit-tests pass! 👍

PART 2: Model Selection

1. Student correctly implements CV, BIC, and DIC model selection techniques in "my_model_selectors.py".
2. Student code runs error-free in notebook, passes unit tests and code review of the algorithms.
3. Student provides a brief but thoughtful comparison of the selectors (Q2).

Note: the results of CV have fewer states than BIC/DIC for the five words given.
SelectorCV uses KFold and the "combine_sequences" correctly. The tests run error free. The formula for BIC and DIC is well implemented.
A good comparison between the model selection techniques has been made 👍

PART 3: Recognizer

1. **Student implements a recognizer in "my_recognizer.py" which runs error-free in the notebook and passes all unit tests**
2. **Student provides three examples of feature/selector combinations in the submission cells of the notebook.**
3. **Student code provides the correct words within <60% WER for at least one of the three examples student provided.**
4. **Student provides a summary of results and speculates on how to improve the WER.**

The script for my_recognizer.py is correctly implemented and runs error free.
Three examples of feature/selector combinations are provided.
Atleast one example for correct words within <60% WER is provided.
Results have been well summarized. Impressive 👍
Part 4 could be implemented to know more about how the WER score could improve using SLM techniques.

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4 CODE REVIEW COMMENTS ›

RETURN TO PATH

Student FAQ