UDACITY

ESPECIFICAÇÕES DO PROJETO

# Build a Sign Language Recognizer

## PART 1: Data

| CRITÉRIO | ATENDEU ÀS ESPECIFICAÇÕES |
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| Prepare data for modeling | 1. Student provides correct alternate feature sets: delta, polar, normalized, and custom.<br>2. Student passes unit tests.<br>3. Student provides a reasonable explanation for what custom set was chosen and why (Q1). |

## PART 2: Model Selection

| CRITÉRIO | ATENDEU ÀS ESPECIFICAÇÕES |
|---|---|
| Implement model selection techniques | 1. Student correctly implements CV, BIC, and DIC model selection techniques in “my_model_selectors.py”.<br>2. Student code runs error-free in notebook, passes unit tests and code review of the algorithms.<br>3. Student provides a brief but thoughtful comparison of the selectors (Q2). |

## PART 3: Recognizer

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

## Sugestões para Fazer o Seu Projeto se Destacar!

PART 4: (OPTIONAL) Improve the WER with Language Models

The recognizer you implemented in Part 3 is equivalent to a "0-gram" SLM. Improve the WER with the SLM data provided with the data set in the link above using "1-gram", "2-gram", and/or "3-gram" statistics.

FAQ do Estudante