

Advanced Features

1. Token Features

- **cwc_min**: This is the ratio of the number of common words to the length of the smaller question
- **cwc_max**: This is the ratio of the number of common words to the length of the larger question
- **csc_min**: This is the ratio of the number of common stop words to the smaller stop word count among the two questions
- **csc_max**: This is the ratio of the number of common stop words to the larger stop word count among the two questions
- **ctc_min**: This is the ratio of the number of common tokens to the smaller token count among the two questions
- **ctc_max**: This is the ratio of the number of common tokens to the larger token count among the two questions
- **last_word_eq**: 1 if the last word in the two questions is same, 0 otherwise
- **first_word_eq**: 1 if the first word in the two questions is same, 0 otherwise

2. Length Based Features

- **mean_len**: Mean of the length of the two questions (number of words)
- **abs_len_diff**: Absolute difference between the length of the two questions (number of words)
- **longest_substr_ratio**: Ratio of the length of the longest substring among the two questions to the length of the smaller question

3. Fuzzy Features

- **fuzz_ratio**: fuzz_ratio score from fuzzywuzzy
- **fuzz_partial_ratio**: fuzz_partial_ratio from fuzzywuzzy
- **token_sort_ratio**: token_sort_ratio from fuzzywuzzy
- **token_set_ratio**: token_set_ratio from fuzzywuzzy