**Spelling correction with Python**

**In machine learning, spelling correction and spell checking is a well-known problem, and in the field of natural language processing (NLP) , there have been studies in this field. In this article, you will learn about a very basic machine learning project that corrects the spelling of words .**

**An introduction to spell-checking words with Python**

**Correcting spelling mistakes is an integral part of writing. This is used in a variety of ways, from texting on the phone, sending emails, writing large documents, and searching for information on the web .**

**Modern spell checkers are not perfect, but they are present in almost all software that relies on keyboard input .**

**Correcting the spelling of words is often seen from two angles. Non-word spelling check includes the detection and correction of spelling mistakes that lead to the absence of a series of words. In contrast, real-word spell checking involves detecting and correcting misspellings, even if they accidentally lead to the creation of a real English word. (real word errors) .**

**This can be caused by real-word typographical errors (insertions, deletions, transpositions) that randomly generate a real word. Or it originates from cognitive errors that the author used the wrong word .**

**How to correct the spelling of a word with Python?**

**Now, in this section, we will teach you how to create a free Python project to check the spelling of words :**

**from textblob import TextBlob**

**words = [ "Data Scene " , "Mahine Learnin " ]**

**corrected\_words = []**

**for i in words :**

**corrected\_words . append ( TextBlob ( i ))**

**print ( "Wrong words :" , words )**

**print ( "Corrected Words are :" )**

**for i in corrected\_words :**

**print ( i . correct (), end =" " )**

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**Wrong words : ['Data Science ', 'Mahine Learnin ']**

**Corrected words are:**

**Data Science Machine Learning**

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**Summary**

**Using the library textblob In Python, we can easily build machine learning models to correct the spelling of words. Detecting real word spelling errors is a much more difficult task, because any word in the input text may be an error .**

**However, the noisy channel can be used to find words similar to any word the user has typed and rank corrections that were likely the user's original intent .**

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