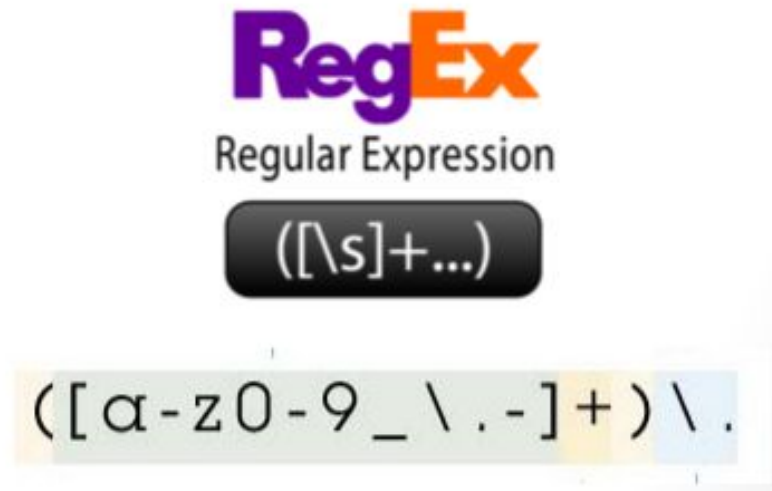


Topic 2 (Pt 2): Python Regular Expressions for NLP



Exercise 4: Using RE for pattern matching

- a) Use **Python RE** to create the regular expressions for the last Exercise 3(2) and 3(3). Use an example of a string to prove that your re works perfectly.
- b) Given the text in the next slide, use **Python RE** to search and display the following words. Print and save your output into a flat file (e.g *.dat).
- i) the word “in” in the text
 - ii) all words containing “or” in the text
 - iii) all words starting with “on” in the text.
 - iv) All words ending with “ing” in the text

Use the following text for Exercise 4b

Advances in of Natural Language Processing and Machine Learning are broadening the scope of what technology can do in people's everyday lives, and because of this, there is an unprecedented number of people developing a curiosity in the fields. And with the availability of educational content online, it has never been easier to go from curiosity to proficiency.

We gathered some of our favorite resources together so you will have a jumping off point into studying these fields on your own. Some of the resources here are suitable for absolute beginners in either Natural Language Processing or Machine Learning, and others are suitable for those with an understanding of one who wish to learn more about the other.