



SNS COLLEGE OF ENGINEERING



Kurumbapalayam(Po), Coimbatore – 641 007

Accredited by NAAC-UGC with 'A' Grade

Approved by AICTE, Recognized by UGC & Affiliated to Anna University, Chennai

Department of Artificial Intelligence and Data Science

Course Name – 16AD601 – Natural Language
Processing

III Year / VI Semester

Unit 1 – Introduction

Topic 7- Edit Distance-weighted edit distance





Edit Distance-weighted edit distance

Edit distance gives us a way to quantify both of these intuitions about string similarity.

More formally, the minimum edit distance between two strings is defined as the minimum number of editing operations (operations like insertion, deletion, substitution) needed to transform one string into another.

Weighted Edit Distance - Levenshtein Distance

- The Levenshtein distance (a.k.a edit distance) is a measure of similarity between two strings. It is defined as the minimum number of changes required to convert string a into string b.
- Given two character strings s1 and s2, the edit distance between them is the minimum number of edit operations required to transform s1 into s2.
- Most commonly, the edit operations allowed for this purpose are: (i) insert a character into a string; (ii) delete a character from a string and (iii) replace a character of a string by another character;



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THANK YOU