

**Assignment 3**  
**Computational Cognitive Science**  
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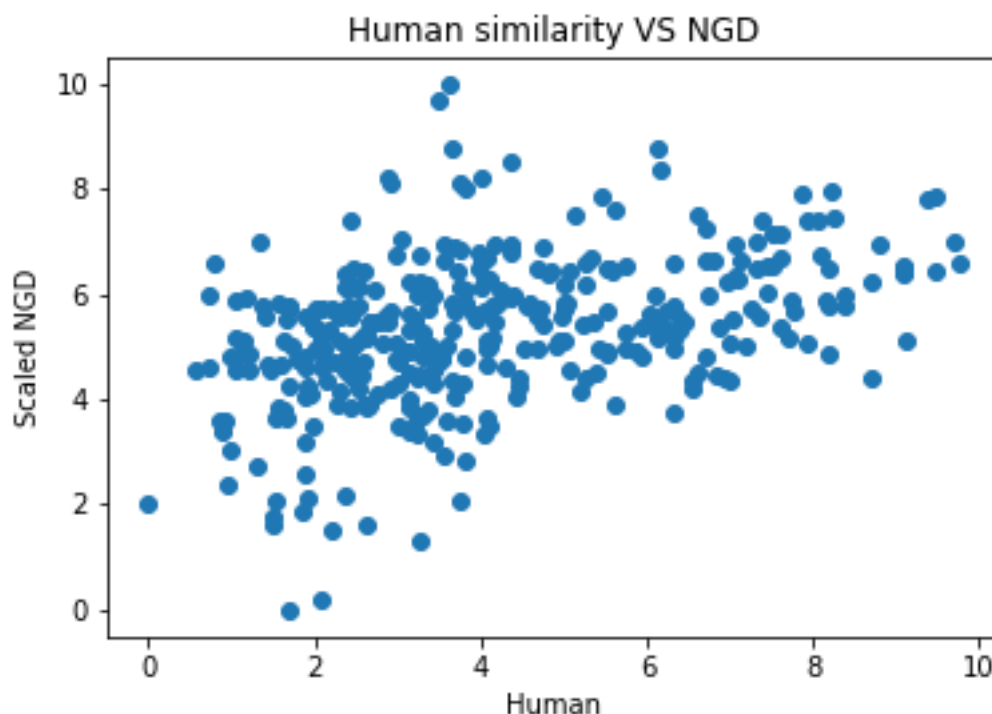
**Question 1 : Find Normalized Google Distance**

Normalized Google distance has been found with the formula -

$$NGD(a,b) = \frac{(\max(\log \text{ of no of webpage for word a, } \log \text{ no of webpage for word b}) - \log \text{ of no of webpage for word a} + \log \text{ of no of webpage for word b})}{(\log \text{ of Total no of webpage} - \min(\log \text{ of no of webpage for word a, } \log \text{ of no of webpage for word b}))}$$

I have taken Total no of webpage = 48000000000 and store the result in result.csv.

**Question 2 : Plot human similarity with NGD**



**Question 3 : Plot human similarity with word2vec similarity**

