# MA331-Report: 2213380

### TED Talks by Speaker Sugata Mitra and Speaker mariano sigman

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## Introduction

In order to extract insights and trends from massive amounts of unstructured text—text that does not follow a predetermined format—text analytics uses a variety of machine learning, statistical, and linguistic techniques. It makes it possible for organizations, governments, academics, and the media to use the vast material at their command to make important choices. Sentiment analysis, subject modeling, named entity identification, word frequency, and event extraction are just a few of the methods used in text analytics.Sugata Mitra, a scholar in education, is the recipient of the 2013 TED Prize. His desire was to create a school in the cloud where kids could learn from one another and investigate and in 2016 Neuroscientist Mariano Sigman shares his life’s work investigating the interior workings of the human brain in his intriguing, mind-bending novel “The Secret Life of the Mind.”

## Methods

The methods are as follow: \* tidying and tokenaisation , tidying is nothing but A common method of linking a dataset’s organisation is provided by tidy dataset and tokenaisation means the breaking of the words into specified manner. Stopwords removal, that means removing of all stopwords like i, and , if from the data. Next identification of stopwords of speaker words seperatly, that means identifing speakers stopwords next step is visualization of stopwords. The visual representation of data in the shape of a graph, chart, bar graph, or any other style is known as data visualisation and is an essential component of data analysis. In the next step I just visualised for speakers separetly. \*And then comparing the speakers words by data visualization.

## Results

The result I have got for this data is by using the above methods.I just gathered the information about speakers “Sugata Mitra” and “Mariano Sigman” from the website tidy\_talks and I rephared it here.

Joining with `by = join\_by(word)`

### best phrases displayed visually

### C:\Users\hirthik\AppData\Local\Microsoft\Windows\INetCache\Content.MSO\577202F4.tmpplotting the speaker words

### C:\Users\hirthik\AppData\Local\Microsoft\Windows\INetCache\Content.MSO\27CB5E65.tmpCommon words plotting between two speakers

### C:\Users\hirthik\AppData\Local\Microsoft\Windows\INetCache\Content.MSO\44CD0922.tmpPositive and negative words split

# A tibble: 774 × 6

talk\_id headline speaker views word sentiment

<dbl> <chr> <chr> <dbl> <chr> <chr>

1 1678 Build a School in the Cloud Sugata Mitra 3041768 learning positive

2 1678 Build a School in the Cloud Sugata Mitra 3041768 plan anticipati…

3 1678 Build a School in the Cloud Sugata Mitra 3041768 plan anticipati…

4 1678 Build a School in the Cloud Sugata Mitra 3041768 kind joy

5 1678 Build a School in the Cloud Sugata Mitra 3041768 kind positive

6 1678 Build a School in the Cloud Sugata Mitra 3041768 kind trust

7 1678 Build a School in the Cloud Sugata Mitra 3041768 kind joy

8 1678 Build a School in the Cloud Sugata Mitra 3041768 kind positive

9 1678 Build a School in the Cloud Sugata Mitra 3041768 kind trust

10 1678 Build a School in the Cloud Sugata Mitra 3041768 learning positive

# ℹ 764 more rows

# A tibble: 10 × 3

sentiment `Mariano Sigman` `Sugata Mitra`

<chr> <int> <int>

1 anger 25 18

2 anticipation 47 56

3 disgust 5 11

4 fear 14 15

5 joy 11 47

6 negative 49 30

7 positive 82 143

8 sadness 11 14

9 surprise 14 44

10 trust 48 90

### sentimental analysis plotting

