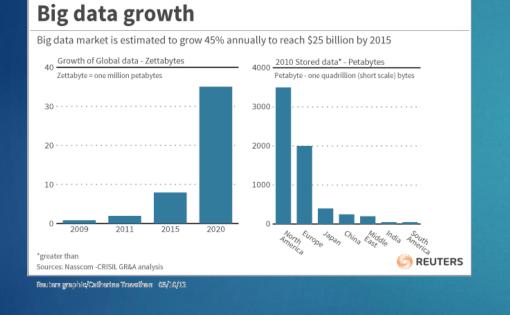
# User-oriented Keyword Visualizer

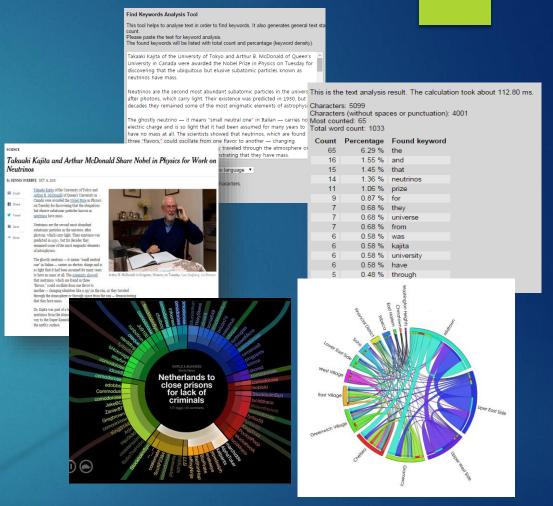
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### Introduction

#### Problem





- 1. Inconvenient or Hard to Understand (Not Intuitive)
- 2. 'Control' element unavailable for users (No Interactivity)

### Solution modeling (keyword-visualizer)



## Solution modeling (keyword-visualizer)

#### Idea

- 1. Implementation in web browser as a 'Plug-in' (ex. Chrome plug-in)
- 2. Variations in <u>Size</u>, <u>Color</u>, <u>Shading</u> of terms depending on its importance in document (e.g. WordCloud)
- 3. Application of various text retrieval algorithms (Radio button for selection)
- 4. Evaluation and Improvement of algorithms through feedback button
- 5. Recommendation for a particular text retrieval algorithm based on user or genre of document
- 6. <u>Slider bar</u> to control the <u>number of keywords</u> shown