

Programming Assignment 01

Similar to the lecture on Tuesday, June 8th, 2021, when we examined the language used for Data Mining and Data Science, you are going to examine the language used when talking about Data Mining and Artificial Intelligence.

To do this you will do the following:

1. Google “What is Data Mining” and “What is Artificial Intelligence” separately. Be sure to record any conditions that you feel will impact the results you will get.
2. Pick the first fifteen sites that are returned as results for **BOTH** “What is Data Mining” and “What is Artificial Intelligence” searches.
3. From the fifteen selected example sites, record a selected block of text that started with something akin to “Data Mining is ...” or “Artificial Intelligence is ...”.
4. For each example record at least the following attributes: category (Data Mining/Artificial Intelligence), the date the data was pulled, the human readable name of the website the data was pulled from, the exact url to the page the data was taken from, and the selected block of text.
 - a. Be sure to detail each attribute you record and the level of measurement for each attribute.
5. Treat the selected block of texts as a bag of words, and generate a word cloud for Data Mining and Artificial Intelligence.
6. Interpret the results of your word clouds.

Be sure to provide a reference to anything you may have used to complete the homework: tutorial, article, stackoverflow post,...

Please follow the programming homework submission template, which I will attach to the assignment in Canvas.

Submit the assignment as a pdf or word document through Canvas.

You are not required to use a particular programming language, but I will give extra credit if you use RMarkdown or Jupyter Notebooks to generate your homework.