Resume X-ray

In our previous post we bluntly mentioned Data Science as the literacy skill no one can miss to close the digital gap, the difference between people with capacities landing quality jobs and the rest. More in that direction comes from one of the key benefits of Data Science, which is to answer relevant questions, for instance, what story am I telling in my resume? How are selectors perceiving my hard-earned experience? What is my probability of success in landing a new job? Am I aware of the consistency of my profile, skills, and competences? As you can imagine, technology is present at a different scale in different jobs, and employees are constantly required to understand more and more that changing world. Ready for the task?

For now, we could assume the answers to the key questions above, based in our own experience and feedback received from independent eyes to convey the desired message in that document, but what is the real story perceived by a selector – or better yet – by a sorting algorithm trained to select just on key words?

Here is where some data science comes handy to understand by yourself the insights extracted from your resume. Let me share the code from my depository at the end of this post – no worries with the code as I have commented it extensively to facilitate familiarization. We will get there.

In my case, out of 1,771 words in my resume, most frequent key words and occurrences are Data with 28, Supply with 15 and Chain with 13. Am I a Supply Chain data-oriented resource in the job marketplace? These are the facts and the insight based on my hard-earned experience and nobody can deny it, not even the algorithm filtering millions of candidates.

Gustavo Pisani

Richmond, April 5th. 2021

[gpisanic/Data-Science-Divulgation-Project (github.com)](https://github.com/gpisanic/Data-Science-Divulgation-Project)

==================================================================================Code from Notebook

Resume

X-ray Abstract Key words in your resume are used to filter against an opening, to understand how they can be efficiently extracted using a simple Python script is useful for improving your resume. Here is a simple cuasi pseudo code heavily commented to facilitate different audiences the purpose for each line or cell. Suggestions are welcomed!

resumexray **=** open('Gustavo\_Resume.txt') *# file opened*

counts **=** dict() *# dictionary created*

**for** line **in** resumexray: *# loops through the lines of the file. Outer loop*

words **=** line**.**split() *# splits the words in the file*

**for** word **in** words: *# for each line loops through the words. Inner loop*

counts[word] **=** counts**.**get(word,0) **+** 1 *# creates histogram of words and counts*

lst **=** list() *# extracts the data out of the dictionary and create a reverse tuple.*

**for** key, val **in** counts**.**items():

newtup **=** (val,key) *# variable newtup with a tuple value, key. A tuple assignment*

lst**.**append(newtup) *# appending to the list. A list of tuple in value, key (key is now value) order*

*# A list of tuple in value,key ordered has been created by appending each tuple of the loop to newtup*

lst **=** sorted(lst,reverse**=True**) *# sort backwards the value key tuple lst and assign it back to the list lst variable. Descending order*

**for** val,key **in** lst[10:14]: *# Look for the top 3 relevant keys. Slicing with [10:] from 9th to 11th. after non relevant first 9 words.*

print(val,key) *# Printing it in the order of the members of the tuple; val, key*

Output

15 data

15 Supply

13 Data

13 Chain