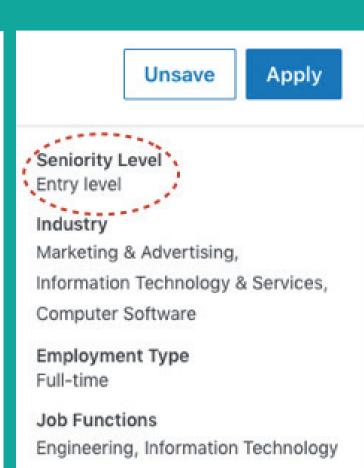
Targeting the rigth candidate a NLP approach

Ruddi Rodriguez Garcia

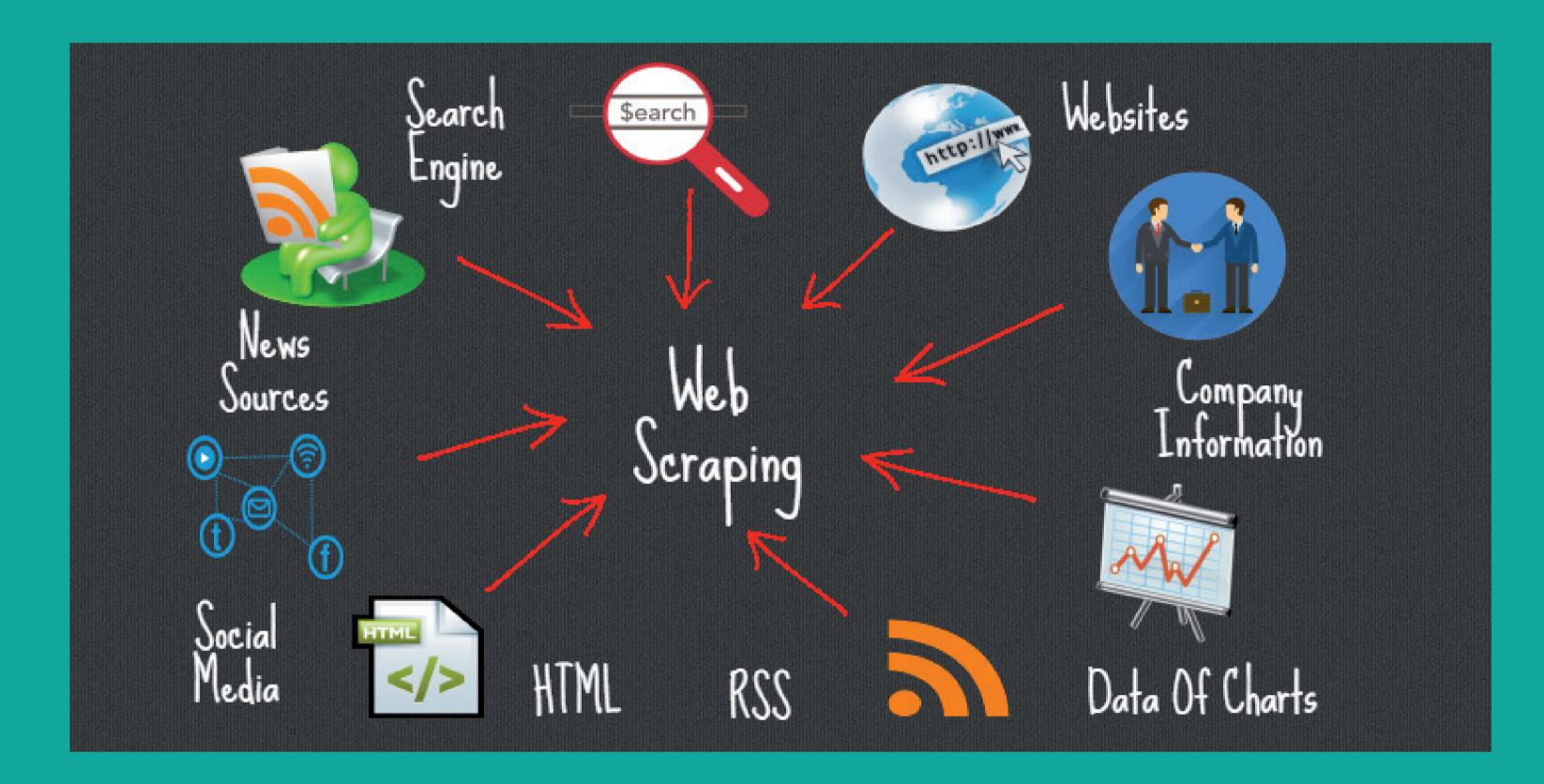


Job seekers rely on social networks to search and apply for jobs. The most popular social sites are: LinkedIn, Facebook and Twitter. To increase the visbility of your job ads among potential candidates the job description has to be attractive, describing well the skills required to perform the tasks. Here I proposed a method based on Natural Language Processing and ML to improve the quality of the job ads



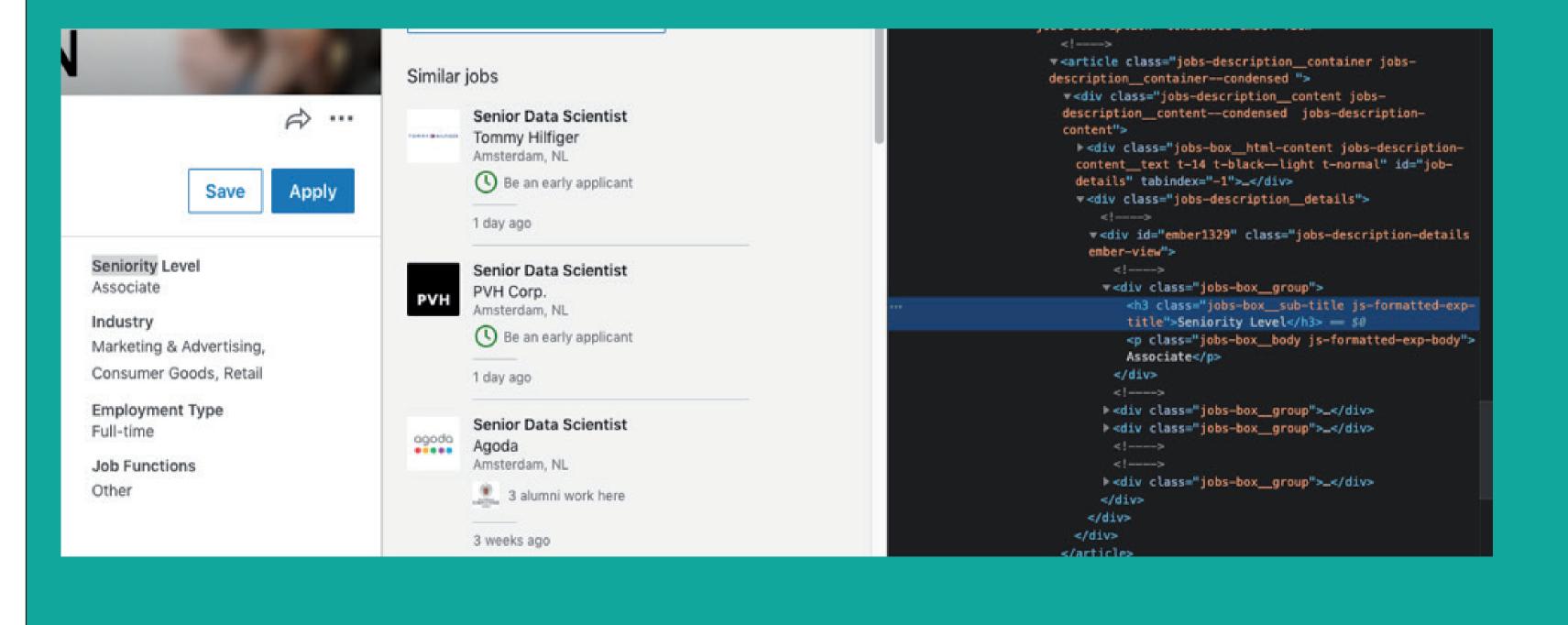
 Greater than 5 years directly related experience Master's or PHD in Statistics, Mathematics, Computer Science Any certification to related area preferred. Experience with common data science toolkits and libraries, such as pandas, keras, scipy, scikit, tensorflow, NumPy, MatLab, etc. Experience using statistical computer languages (R, Python, etc.) Strong knowledge and experience using SQL language Experience using Azure/AWS services Experience with C++/C# as a plus Excellent understanding of machine learning techniques and algorithms, such as k-NN, Naive Bayes, SVM, Decision tree clustering, artificial neural networks, etc. Strong understanding of math statistics (such as distributions) statistical testing, regression, etc.) Experience creating and using advanced machine learning algorithms and statistics: regression, simulation, scenario analysis modeling, clustering, decision trees, neural networks, etc Proficiency in using query languages such as SQL Experience working with and creating data architectures, data models,data warehouses/data lakes Ability to work with minimal supervision Minimum of 5 years' experience in area of data analysis Stro ng data analytical skills · Creative and analytical thinker with strong problem-solving · Background in technology or professional services preferably in one or more of the domains of AWS, Azure, Security, or AI/ML Strong understanding of consulting business Strong structural work methods, multitasking and time management skills Self-driven independent work ethics that drives internal and external accountability May require periodic travel for workshops

Information Extraction



Web scraping: The process of data extraction from websites

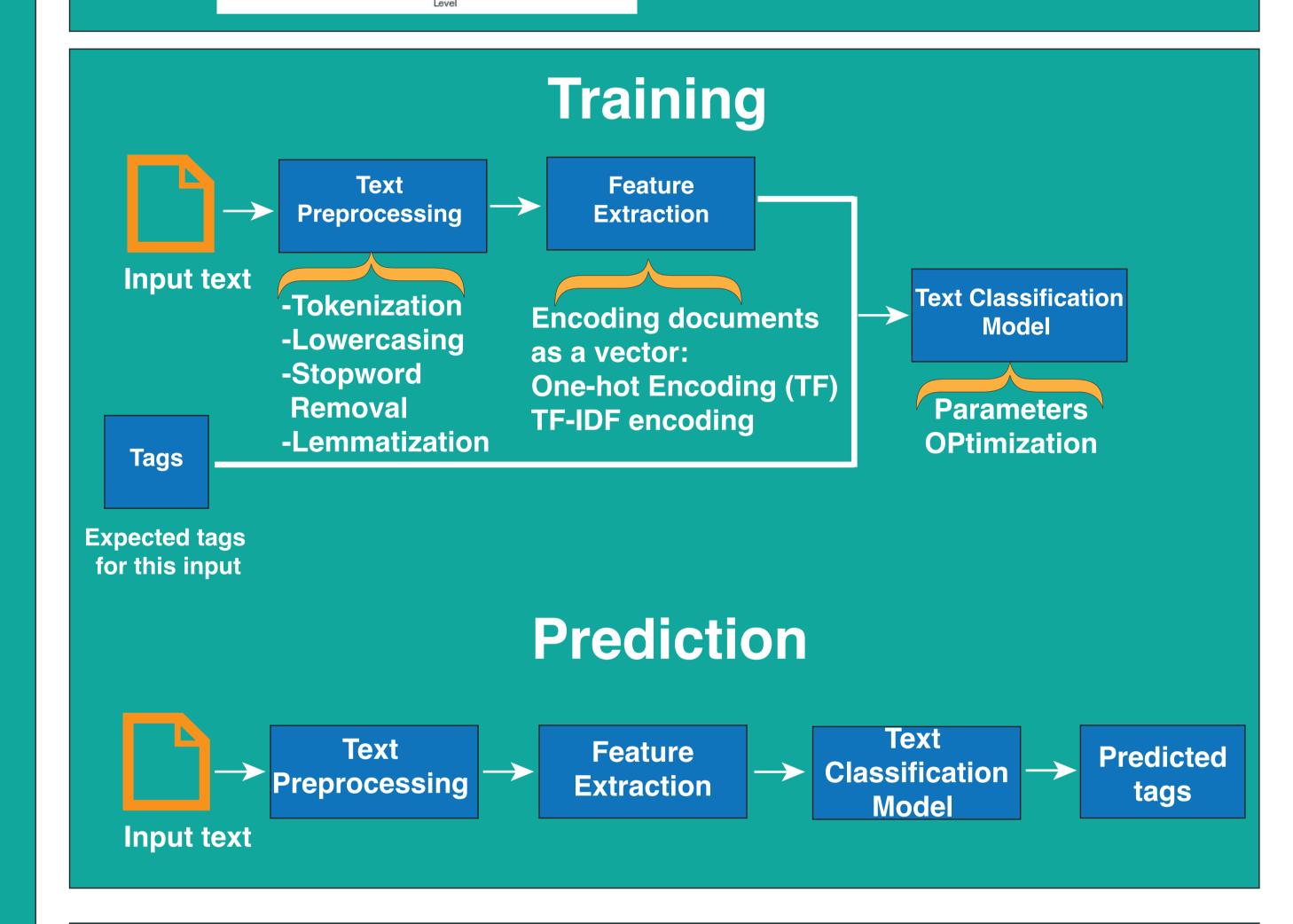
- 1- Download Content of Web Pages
- 2- Parse and Extract Structured Data from it
- 3- Store data as CSV



Data

Training data: Set of 5000 jobs description posted on LinkedIn





Director

Executive

Methods
Set of python scripts:
-Custom transformation Pipelines

https://github.com/RuddiRodriguez/Linkedin_analysis_NLP

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Mid-Senior Level

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