Assignment of DSP : WEB SCRAPPING

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Extracting Information Regarding Research Papers from ArXiV
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Web Scrapping of ArXiv

Introduction

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ArXiV Website : Extracting Research Papers Data from the subject "Mathematical physics"

Every Aspiring Theoretical Physicist's, who is passionate about research needs an excellent platform where he can freely access the literature of various areas for it's study. Hence ArXiV is one of the best freely accessible search engines of Physics and Computer Science Research Papers, which provides a wide variety of published literature in the form of articles, research papers, etc.

But sometimes, over choice leads to confusion. Isn't?

So, Web Scraping is a method that provides a way to collect information from the website in a meaningful manner based on our interests.

In this project, I have collected the information about the research papers related to Mathematical Physics. The implementation of this project will use the python library and Beautiful soup.

ArXiV Data Extracting

ArXiV Data Scrapping, from the Portion of mathematical Physics.

Link of the Websites :- ArXiv

Link of the Mathematical Physics Websites :- ArXiv

I have used some libraries of the python to scrab the data directly from the ArXiV Websites. There are many links on the arxiv websites, but only, some useful Links were extracted from the html content, after parsing. The librariies I have used to

work in the project, are mentioned at the very top of the page. Initially, I have worked on to collect the Links for different years of Arxiv websites for mathematical Physics, and then, I scrabbed the data after going in one particular link, which has contained about total of Links.

Conclusion

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The Project have successfully collected the informations, from all websites of different months of Arxiv, and have stored in the CSV Format.

Thank you!

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