

Go India Stocks - Python - Selection Assignment



Of late there has been a sudden interest in the term “Green Hydrogen”. As an investor you spend a major part of your time to find such trends and invest in it earlier than everyone else understands it. So you are required to write a python program to figure out the buzz around green hydrogen and what all are the stocks that could benefit due sudden popularity of green hydrogen

Data Sources to be used for Analysis

1. Web Scrape the following website-
<https://www.cnn.com/search/?query=green%20hydrogen&qsearchterm=green%20hydrogen>
in order to get headline of the news on this page
2. Use google news rss feed to get all news headline having “green hydrogen” as keyword-
<https://news.google.com/rss/search?q=green%20hydrogen&hl=en-IN&gl=IN&ceid=IN:en>

Analysis to be done

1. Store the result in a pandas dataframe also include News date
2. Use pandas.DataFrame.apply to add an extra column in this table called sentiment score. For sentiment analysis use a pre-trained sentiment analysis model on huggingface (refer this [link](#).)
3. Use appropriate hugging face NER (Named Entity Recognition) model to identify all organization name in news headline

Final Deliverables

Code has to be written in Google Collab

1. csv table containing news Date, headline and source
2. Using google sheet python api transfer this csv table to a google sheet with access right to “Anyone with the Link”. Write the code for this in google collab only.
3. Graph which shows Week wise trend of average sentiment score for all the news in that particular week
4. Word cloud map with organization name identified in the News headline

Additional notes:

-It is a good practice to maintain good readability and structure while building your code and ensure to make it as robust/ efficient as possible.

- Write the code in Google Collab. Share the collab link containing the solution along with your resume on ashish@goindiaadvisors.com

For any Clarification please contact Ashish Prasad (Product Head) @ ashish@goindiaadvisors.com -
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