An abstract network diagram with nodes and lines, rendered in a light blue/cyan color against a dark background. The nodes are small circles, some of which are highlighted with a double-circle effect. The lines are thin and connect the nodes in a complex, web-like pattern. The overall shape of the network is roughly circular, with lines radiating from the center towards the edges.

Introduction à l'analyse de sentiment

AlgoETS

Basée sur le travail de Mohamed et Raphael

Présentée par Antoine

Pourquoi ?



Mentions sur les réseaux sociaux:

Perception

Popularité

Topic



Commentaires d'avis sur les produits:

Qualité

Avis

Fréquence



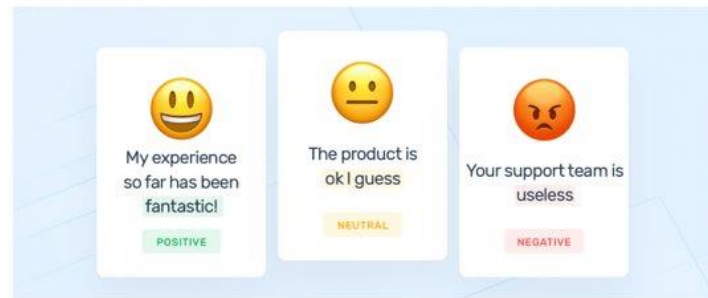
Tickets d'assistance entrants en temps réel:

Détecter les clients mécontents

Probleme fréquence

Identifier des Sentiments

- Figure de style
- Ponctuation, UpperCase, Nombre de mots
- Mots d'un dictionnaire de lexicon
 - Lexiques des sentiments et émotions du CNRC (975 CAD\$)
- Emoticons
- Hashtags
- NLP (Natural Language Processing)
 - Vader
- Pre-Trained Model
 - (Hugging Face, GPT, Claude)



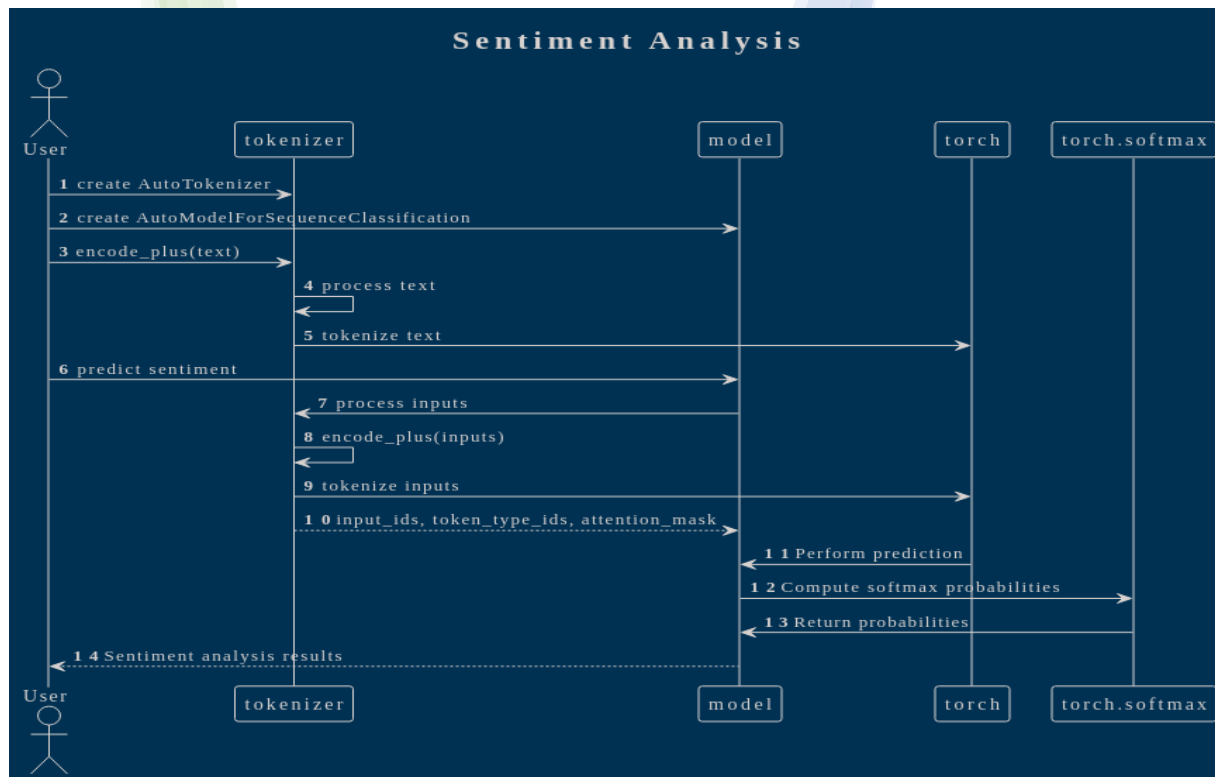
<https://monkeylearn.com/sentiment-analysis/>

<https://nrc.canada.ca/fr/recherche-developpement/produits-services/services-techniques-consultatifs/lexiques-emotions-sentiments>

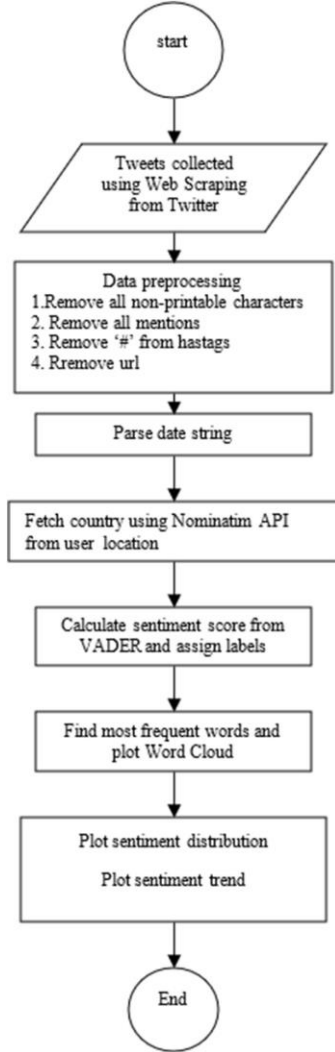
Quantification

$$\text{Sentiment Score}(w) = \log_2 \frac{\text{freq}(w, \text{positive}) * \text{freq}(\text{negative})}{\text{freq}(w, \text{negative}) * \text{freq}(\text{positive})}$$

- Pourcentage
 - [0, 1]
 - 1-100%
- Notes sur 5
 - Very positive(5),
 - Positive(4)
 - Neutral(3),
 - Negative(2),
 - Very negative(1)



Pipeline pour Opinion Mining



- Web Scraper ou API (Twitter, Reddit, Commentaire)
- Nettoyer les données
- Structurer les données dans une base de données
- Classification des sentiments avec Pre-Trained model
- Analyse des sentiments avec les metadata des utilisateurs

https://www.researchgate.net/publication/366625991_A_statistical_analysis_of_tweets_on_covid-19_vaccine_hesitancy_utilizing_opinion_mining_an_Indian_perspective/figures

Nvidia Stock: A Buy After U.S. Regulation On Chip Exports

Date: Nov. 07, 2023 8:50 AM ET | Tickers: **NVIDIA Corporation (NVDA)** | 6 Comments | 2 Likes



The Value Pendulum

Investing Group Leader

Summary

- The new U.S. export control regulations will affect Nvidia's revenue contribution from China.
- But Nvidia's AI chips are sought after by companies around the world, and the Indian AI market in particular might be a new growth frontier for Nvidia.
- NVDA stock is a Buy now, as the actual impact of the U.S. chip export regulations is most probably less substantial than what the market is expecting.
- Looking for more investing ideas like this one? Get them exclusively at Asia Value & Moat Stocks. [Learn More »](#)

Nvidia Stock Rating

My Buy investment rating for **Nvidia Corporation** (NASDAQ:[NVDA](#)) shares remains unchanged. Previously, I wrote about Nvidia's \$25 billion share buyback program and its Data Center business' outlook in [my prior article](#) published on August 28, 2023.

With the current update, my attention turns to the latest U.S. chip export regulations and their impact on NVDA. The growth potential of the Indian AI market, and the allocation of a bigger proportion of its AI chips to key partners suggest that the new U.S. export control regulations for China have a smaller-than-expected effect on Nvidia's business and results. As such, I am sticking to my existing Buy rating for NVDA.

The U.S. Is Restricting Chip Sales To China

[Home](#) > [Stock Ideas](#) > [Long Ideas](#) > [Tech](#)

Tags

Title

Nvidia Stock: A Buy After U.S. Regulation On Chip Exports

Date

Nov. 07, 2023 8:50 AM ET | **NVIDIA Corporation (NVDA)** | 6 Comments | 2 Likes

Comments &

like

Ticker



The Value Pendulum

Investing Group Leader

Follow

Summary

- The new U.S. export control regulations will affect Nvidia's revenue contribution from China.
- But Nvidia's AI chips are sought after by companies around the world

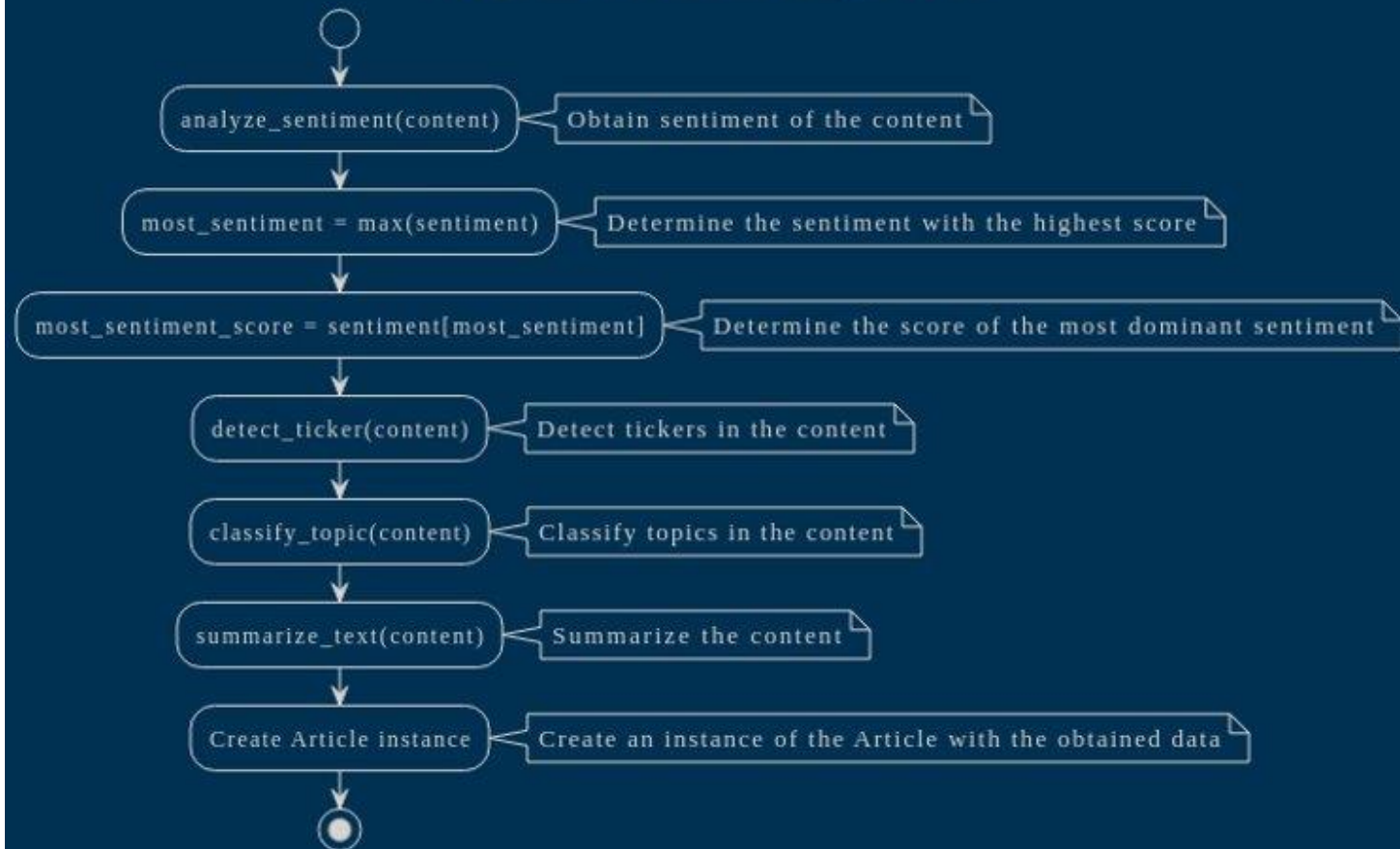
Base de données



```
{  
  'title': 'Latest AI Advancements',  
  'url': 'https://theaijournal.com/latest-ai-advancements',  
  'sentiment_score': 0.8,  
  'sentiment': 'Positive',  
}
```

S.No	Attribute	Description	Data type
1	user_name	Twitter handle	String
2	user_location	The location of the user	String
3	user_description	Description of the user	String
4	user_created	Date of account creation	String
5	user_followers	Total followers of user	Integer
6	user_friends	Total people the user follows	Integer
7	user_favourites	A total number of tweets liked by the user	Integer
8	user_verified	Is the user officially verified by Twitter	Boolean
9	text	Tweet content	String
10	date	The date publishing the tweet	String
11	hashtags	The hashtags used in the tweet	List
12	is_retweet	Is the tweet retweeted	Boolean
13	Source	The device used for tweeting	String

Article Processing Flow



TOP-DWtC-SZnqu0ienqww

It took 107.10 seconds to analyze 5727 comments in 80 posts in 4 subreddits

Posts analyzed saved in titles

10 most mentioned picks:

AI: 18

NVDA: 17

DIS: 14

MSFT: 14

AAPL: 10

Y: 10

< : 7

...E: 6

AMZN: 6

TSLA: 6

Sentiment analysis of top 5 picks:

	Bearish	Neutral	Bullish	Total/Compound
AI	0.066	0.811	0.123	0.289
NVDA	0.053	0.863	0.084	0.133
DIS	0.185	0.609	0.207	0.092
MSFT	0.069	0.856	0.074	0.077
AAPL	0.086	0.805	0.110	-0.042

(home/mrblaket/Documents/projects/projects/cod



-147: HoedWerring: FigureCanvasAgg is non-interact

Analyse

Financial Analyst AI

This project applies AI trained by our financial analysts to analyze earning calls and other financial documents.

Audio

Record from microphone

Recognize Speech

Textbox

Nvidia Stock Rating

My Buy investment rating for Nvidia Corporation (NASDAQ:NVDA) shares remains unchanged. Previously, I wrote about Nvidia's \$25 billion share buyback program and its Data Center business' outlook in my prior article published on August 28, 2023.

With the current update, my attention turns to the latest U.S. chip export regulations and their impact on NVDA. The growth potential of the Indian AI market, and the allocation of a bigger proportion of its AI chips to key partners suggest that the new U.S. export control regulations for China have a smaller-than-expected effect on Nvidia's business and results. As such, I am sticking to my existing Buy rating for NVDA.

Summarize
Text

Textbox

My Buy investment rating for Nvidia Corporation (NASDAQ:NVDA) shares remains unchanged.

Classify
Financial
Tone

Label

Neutral

Financial Tone and Forward Looking Statement Analysis

Nvidia Stock Rating My Buy investment rating for Nvidia Corporation (NASDAQ:NVDA) shares remains unchanged. **POSITIVE**

Previously, I wrote about Nvidia's \$25 billion share buyback program and its Data Center business' outlook in my prior article published on August 28, 2023. **NEUTRAL** With the current update, my attention turns to the latest U.S. chip export regulations and their impact on NVDA. **NEUTRAL** The growth potential of the Indian AI market, and the allocation of a bigger proportion of its AI chips to key partners suggest that the new U.S. export control regulations for China have a smaller-than-expected effect on Nvidia's business and results. **NEGATIVE** As such, I am sticking to my existing Buy rating for NVDA. **POSITIVE**

ERROR

Identify
Companies
&
Locations

Nvidia **ORG** Stock Rating My Buy **ORG** investment rating for Nvidia Corporation **ORG** (NASDAQ: NVDA **ORG**) shares remains unchanged. Previously, I wrote about Nvidia **ORG**'s \$25 billion share buyback program and its Data Center **ORG** business' outlook in my prior article published on August 28, 2023. With the current update, my attention turns to the latest U.S. **LOC** chip export regulations and their impact on NVDA **ORG**. The growth potential of the Indian **MISC** AI **MISC** market, and the allocation of a bigger proportion of its AI **MISC** chips to key partners suggest that the new U.S. **LOC** export control regulations for China **LOC** have a smaller-than-expected effect on Nvidia **ORG**'s business and results. As such, I am sticking to my existing Buy rating for NVDA **ORG**.

<https://huggingface.co/blog/sentiment-analysis-python>

https://huggingface.co/spaces/rajistics/Financial_Analyst_AI

Filter by Review Date Input field filters Topic Sentiment Intent [Clear All](#)

Total Comments

5,639

Q Search... 5000 samples

rating	Text	Sentiment	Topic
5	and half empty. They replaced my litter for free. Last November my beagle got really sick. My vet said it was arthritis but it was kidney fa	Negative	Product Feedback
1	I tried to see if I could do better buying my dog food through Chewy and the pricing did not even come close. My wet dog food is .70 cheaper at the pet store n	Negative	Pricing & Fees Product Feedback
5	I have been using Chewy for about a year now. I have my dog food shipped to me and have cat food shipped to my daughter. She recently moved and gave me the wrong spelling	Neutral	Product Feedback
4	I was extremely happy with Chewy's prior to the business being sold to PetSmart. Customer Service was efficient and the delivery	Positive	Product Feedback

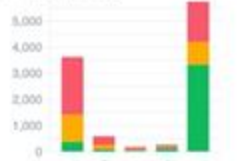
Topic



Sentiment by Topic



Sentiment by Rating



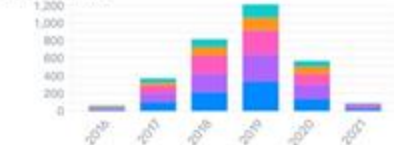
Overall Sentiment



Sentiment over Time



Topics over Time



$$\text{Sentiment Score}(w) = \log_2 \frac{\text{freq}(w, \text{positive}) * \text{freq}(\text{negative})}{\text{freq}(w, \text{negative}) * \text{freq}(\text{positive})}$$

Période de temps

Sentiments

recuperer le daily sentiment de plusieurs traders crypto

```
In [ ]: from datetime import datetime, timezone

startDate = datetime(2021, 8, 20, 0, 0, 0, tzinfo=timezone.utc).isoformat('T')
endDate = datetime(2022, 4, 21, 0, 0, 0, tzinfo=timezone.utc).isoformat('T')
twitter = TwitterScraper()
df_sentiments = twitter.get_average_sentiments_8h(['RektProof', 'TheBootMex', 'ByzGeneral', 'AlgodTrading', '0xUniha

In [ ]: df_sentiments

In [ ]: df_sentiments=df_sentiments.merge(data, left_index=True, right_index=True, how='inner')

In [ ]: df_sentiments.head(30)

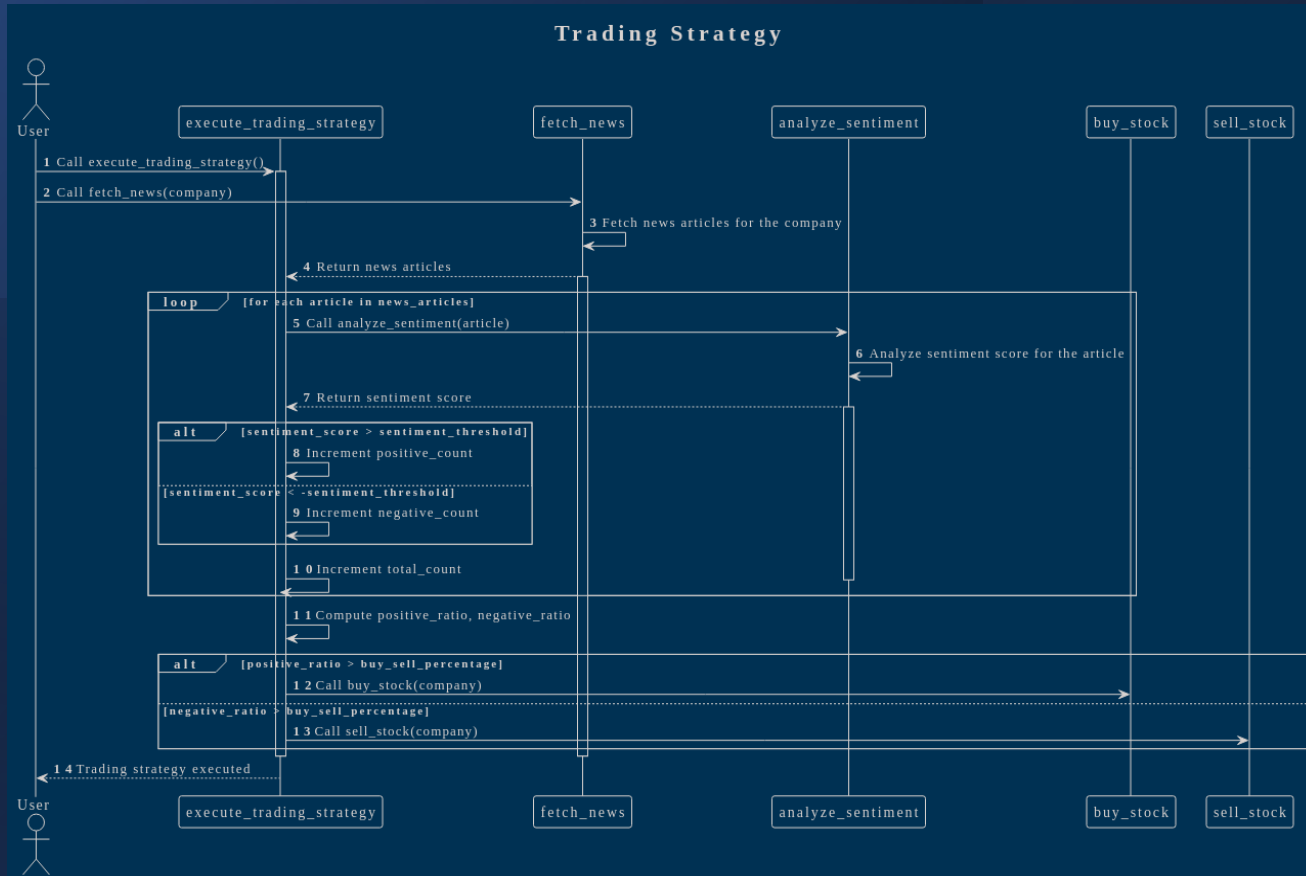
In [ ]: # Create a new column called "result"
df_sentiments['result'] = 0

# Set the value of "result" to 1 if "Daily Average" is greater than 0 and "pctChange" is greater than 0
df_sentiments.loc[(df_sentiments['8h Average Sentiment'] > 0) & (df_sentiments['pctChange'] > 0), 'result'] = 1
df_sentiments.loc[(df_sentiments['8h Average Sentiment'] < 0) & (df_sentiments['pctChange'] < 0), 'result'] = -1
df_sentiments

In [ ]: print(df_sentiments[df_sentiments['result'] == -1].shape[0])
print(df_sentiments[df_sentiments['result'] == 0].shape[0])
print(df_sentiments[df_sentiments['result'] == 1].shape[0])
```

<https://github.com/AlgoETS/Cookiecutter-Strategie/blob/main/sandbox/funding.ipynb>

Stratégie



Test the strategy

```
In [ ]: from backtesting import Backtest, Strategy
        from backtesting.lib import crossover

        class Funding(Strategy):

            def init(self):
                pass

            def next(self):
                price = self.data.Close
                funding = self.data.fundingRate
                pctChange = self.data.pctChange
                daily_average=self.data['8h Average Sentiment']
                # funding negatif= les shorts paient les longs

                if funding<0 and pctChange>0 and daily_average>0:
                    self.buy(sl=0.90*price,tp=1.15*price) #open the long position

                elif funding>0 and pctChange<0 and daily_average>0 :
                    self.sell(sl=1.10*price,tp=0.90*price) #open the short position

        bt = Backtest(df_sentiments, Funding,cash=25000, commission=.002,exclusive_orders=True)

        output = bt.run()
        output
```



