	Unit 12 - Tales from the Crypto  1. Sentiment Analysis  Use the newsapi to pull the latest news articles for Bitcoin and Ethereum and create a DataFrame of sentiment scores for each coin.  Use descriptive statistics to answer the following questions:  1. Which coin had the highest mean positive score?  2. Which coin had the highest negative score?
In [1]:	<pre>3. Which coin had the highest positive score?  # Initial imports import os import pandas as pd from dotenv import load_dotenv import nltk as nltk nltk.download('vader_lexicon') from nltk.sentiment.vader import SentimentIntensityAnalyzer analyzer = SentimentIntensityAnalyzer()  %matplotlib inline</pre> <pre> [pltk datal Downloading package vader lexicon to</pre>
In [5]:	<pre>[nltk_data] Downloading package vader_lexicon to [nltk_data]</pre>
In [10]:	<pre># Fetch the Bitcoin news articles bitcoin_articles = newsapi.get_everything(     q="bitcoin",     language="en",     page_size=80,     sort_by="relevancy" )  # Print total articles print(f"Total articles which mention Bitcoin: {bitcoin_articles['totalResults']}")</pre> Total articles which mention Bitcoin: 7282
In [11]:	<pre># Fetch the Ethereum news articles ethereum_articles = newsapi.get_everything(     q="ethereum",     language="en",     page_size=80,     sort_by="relevancy" )  # Print total articles print(f"Total articles which mention Ethereum: {ethereum_articles['totalResults']}")</pre> Total articles which mention Ethereum: 2305
In [17]:	<pre># Create the Bitcoin sentiment scores DataFrame bitcoin_sentiments = []  for article in bitcoin_articles["articles"]:     try:         text = article["content"]         date = article["publishedAt"][:10]         sentiment = analyzer.polarity_scores(text)         compound = sentiment["compound"]         pos = sentiment["pos"]         neu = sentiment["neu"]         neg = sentiment["neg"]</pre>
	<pre>bitcoin_sentiments.append({     "Article": text,     "Date": date,     "Compound": compound,     "Positive": pos,     "Negative": neg,     "Neutral": neu  })  except AttributeError:     pass</pre>
Out[17]:	# Creating DataFrame bitcoin_articles_df = pd.DataFrame(bitcoin_sentiments)  # Reorder DataFrame columns cols = ["Compound", "Negative", "Neutral", "Positive", "Article", "Date"] bitcoin_articles_df = bitcoin_articles_df[cols]  # Drop "Date" column bitcoin_articles_df = bitcoin_articles_df.drop(columns=['Date']) bitcoin_articles_df = bitcoin_articles_df.drop(columns=['Date']) bitcoin_articles_df.head()  Compound Negative Neutral Positive  Article  O 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
In [23]:	<pre>0  0.6908  0.000  0.822  0.178  Like Dogecoin devotees, the mayor of Reno, and 1  -0.5719  0.184  0.705  0.111  Filed under:\r\nThe supply chain attack has re 2  -0.6124  0.143  0.857  0.000  image copyrightGetty Images\r\nThe gang behind 3  0.6240  0.000  0.873  0.127  To get a roundup of TechCrunchs biggest and mo 4  0.7264  0.000  0.836  0.164  While retail investors grew more comfortable b # Create the Ethereum sentiment scores DataFrame ethereum_sentiments = []  for article in ethereum articles["articles"]:</pre>
	<pre>try:     text = article["content"]     date = article["publishedAt"][:10]     sentiment = analyzer.polarity_scores(text)     compound = sentiment["compound"]     pos = sentiment["pos"]     neu = sentiment["neu"]     neg = sentiment["neg"]  ethereum_sentiments.append({         "Article": text,         "Date": date,         "Compound": compound,         "Positive": pos,</pre>
	<pre>"Negative": neg,</pre>
Out[23]:	# Drop "Date" column ethereum_articles_df = ethereum_articles_df.drop(columns=['Date']) ethereum_articles_df.head()  Compound Negative Neutral Positive Article  0 0.3612 0.000 0.925 0.075 There are many blockchain platforms competing 1 -0.2411 0.061 0.939 0.000 Blockchain infrastructure startups are heating 2 0.7264 0.000 0.836 0.164 While retail investors grew more comfortable b 3 0.0000 0.000 1.000 0.000 Representations of cryptocurrencies Bitcoin an
In [24]: Out[24]:	4       0.3400       0.000       0.895       0.105       Cryptocurrencies spiked Monday after Amazon Ii         # Describe the Bitcoin Sentiment bitcoin_articles_df.describe()         Compound Negative Neutral Positive         count       80.000000       80.000000       80.000000       80.000000         mean       0.094439       0.032100       0.910613       0.057288         std       0.388532       0.059683       0.088898       0.070039
In [25]:	min         -0.827100         0.000000         0.653000         0.000000           25%         -0.006450         0.000000         0.856000         0.000000           50%         0.000000         0.919500         0.046000           75%         0.350450         0.059500         1.000000         0.276000           max         0.883400         0.287000         1.000000         0.276000
Out[25]:	Compound         Negative         Neutral         Positive           count         80.000000         80.000000         80.000000           mean         0.108412         0.023025         0.929050         0.047900           std         0.332220         0.045986         0.072966         0.060018           min         -0.812600         0.000000         0.714000         0.000000           25%         0.000000         0.000000         0.876250         0.000000           50%         0.000000         0.930500         0.000000           75%         0.375650         0.035250         1.000000         0.194000
	Review:  A: Bitcoin had the highest mean positive count.  A: Bitcoin had the highest compound score at 0.883 vs ethereum at 0.771  A: Bitcoin had the highest positive score at 0.276 vs ethereum at 0.194
	2. Natural Language Processing  Tokenizer  In this section, you will use NLTK and Python to tokenize the text for each coin. Be sure to:  1. Lowercase each word. 2. Remove Punctuation. 3. Remove Stopwords.
In [26]:	<pre>from nltk.tokenize import word_tokenize, sent_tokenize from nltk.corpus import stopwords from nltk.stem import WordNetLemmatizer, PorterStemmer from string import punctuation import re  # Instantiate the lemmatizer lemmatizer = WordNetLemmatizer() # Create a list of stopwords print(stopwords.words('english'))</pre>
	['i', 'me', 'my', 'myself', 'we', 'our', 'ours', 'ourselves', 'you', "you're", "you've", "you'a", "you'd", 'your', 'yourself', 'yourselves', 'he', 'him', 'his', 'himself', 'she', "she's", 'her', 'hers', 'hersel f', 'it', "it's", 'itself', 'they', 'them', 'their', 'theirs', 'themselves', 'what', 'which', 'who', 'whom', 'this', 'that', "that'll", 'these', 'those', 'am', 'is', 'are', 'was', 'were', 'be', 'been', 'being', 'have', 'has', 'had', 'having', 'do', 'does', 'did', 'doing', 'a', 'an', 'the', 'and', 'but', 'if', 'or', 'becaus e', 'as', 'until', 'while', 'of', 'at', 'by', 'for', 'with', 'about', 'against', 'between', 'into', 'through', 'during', 'before', 'after', 'above', 'below', 'to', 'from', 'up', 'down', 'in', 'out', 'on', 'off', 'over', 'under', 'again', 'further', 'then', 'once', 'here', 'there', 'when', 'where', 'why', 'how', 'all', 'any', 'bot h', 'each', 'few', 'more', 'most', 'other', 'some', 'such', 'no', 'nor', 'not', 'only', 'own', 'same', 'so', 'than', 'too', 'very', 's', 't', 'can', 'will', 'just', 'don', "don't", 'should', "should've", 'now', 'd', 'll', 'm', 'o', 're', 've', 'y', 'ain', 'aren', "aren't", 'couldn', "couldn't", 'didn', "didn't", 'doesn', "doesn't", 'hadn', "hadn't", 'hasn', "hasn't", 'haven', "haven't", 'isn', "isn't", 'ma', 'mightn't", 'mustn't", 'won', "won't", 'wouldn', "shouldn't", 'wouldn't", 'worn', "worlt", 'woon', "won't", 'wouldn', "wouldn't"]
In [28]:	<pre># Expand the default stopwords list if necessary sw_addons = {'also', 'since', 'youve'}  # Complete the tokenizer function def tokenizer(text):     """Tokenizes text."""  sw = set(stopwords.words('english'))     # Convert the words to lowercase     regex = re.compile("[^a-zA-Z]")     # Remove the punctuation from text</pre>
In [34]:	<pre>re_clean = regex.sub('', text) # Remove the stop words words = word_tokenize(re_clean) # Lemmatize words into root words lem = [lemmatizer.lemmatize(word) for word in words] tokens = [word.lower() for word in lem if word.lower() not in sw.union(sw_addons)]  return tokens  # Create a new tokens column for Bitcoin bitcoin_articles_df['tokens'] = bitcoin_articles_df['Article'].apply(tokenizer) bitcoin_articles_df.head()</pre>
Out[34]:	CompoundNegativeNeutralPositiveArticletokens00.69080.0000.8220.178Like Dogecoin devotees, the mayor of Reno, and[like, dogecoin, devotee, mayor, reno, leader,1-0.57190.1840.7050.111Filed under:\r\nThe supply chain attack has re[filed, underthe, supply, chain, attack, ha, r2-0.61240.1430.8570.000image copyrightGetty Images\r\nThe gang behind[image, copyrightgetty, imagesthe, gang, behin30.62400.0000.8730.127To get a roundup of TechCrunchs biggest and mo[get, roundup, techcrunchs, biggest, important40.72640.0000.8360.164While retail investors grew more comfortable b[retail, investor, grew, comfortable, buying,
In [35]: Out[35]:	# Create a new tokens column for Ethereum ethereum_articles_df['tokens'] = ethereum_articles_df['Article'].apply(tokenizer) ethereum_articles_df.head()  Compound Negative Neutral Positive Article tokens  0 0.3612 0.000 0.925 0.075 There are many blockchain platforms competing [many, blockchain, platform, competing, invest]  1 -0.2411 0.061 0.939 0.000 Blockchain infrastructure startups are heating [blockchain, infrastructure, startup, heating,]  2 0.7264 0.000 0.836 0.164 While retail investors grew more comfortable b [retail, investor, grew, comfortable, buying,
	3 0.0000 0.000 1.000 0.000 Representations of cryptocurrencies Bitcoin an [representations, cryptocurrencies, bitcoin, e] 4 0.3400 0.000 0.895 0.105 Cryptocurrencies spiked Monday after Amazon li [cryptocurrencies, spiked, monday, amazon, lis]  NGrams and Frequency Analysis  In this section you will look at the ngrams and word frequency for each coin.  1. Use NLTK to produce the n-grams for N = 2.
In [36]:	<pre>2. List the top 10 words for each coin.  from collections import Counter from nltk import ngrams  # Generate the Bitcoin N-grams where N=2 bitcoin_article = ' '.join(bitcoin_articles_df.Article) bitcoin_processed = tokenizer(bitcoin_article) bitcoin_ngrams = Counter(ngrams(bitcoin_processed, n=2)) print(dict(bitcoin_ngrams.most_common(10)))</pre>
In [39]:	<pre>{('july', 'reuters'): 15, ('illustration', 'taken'): 10, ('virtual', 'currency'): 8, ('taken', 'june'): 8, ('char', 'representations'): 7, ('illustration', 'picture'): 7, ('elon', 'musk'): 6, ('representation', 'virtual'): 5, ('currency', 'bitcoin'): 5, ('bitcoin', 'seen'): 5}  # Generate the Ethereum N-grams where N=2 ethereum_article = ' '.join(ethereum_articles_df.Article) ethereum_processed = tokenizer(ethereum_article) ethereum_ngrams = Counter(ngrams(ethereum_processed, n=2)) print(dict(ethereum_ngrams.most_common(10)))  {('illustration', 'taken'): 19, ('taken', 'june'): 19, ('bitcoin', 'ethereum'): 14, ('char', 'representation s'): 14, ('june', 'reutersdado'): 14, ('cryptocurrencies', 'bitcoin'): 13, ('ethereum', 'dogecoin'): 13, ('representations', 'cryptocurrencies'): 12, ('placed', 'pc'): 12, ('pc', 'motherboard'): 12}</pre>
In [44]: In [45]: Out[45]:	<pre># Function token_count generates the top 10 words for a given coin def token_count(tokens, N=10):     """Returns the top N tokens from the frequency count"""     return Counter(tokens).most_common(N)  # Use token_count to get the top 10 words for Bitcoin top10_bitcoin = token_count(bitcoin_processed) top10_bitcoin  [('char', 75),     ('bitcoin', 58),</pre>
In [46]:	<pre>('reuters', 30), ('july', 19), ('illustration', 17), ('taken', 16), ('cryptocurrency', 15), ('ha', 13), ('seen', 13), ('currency', 11)]</pre> # Use token_count to get the top 10 words for Ethereum top10_ethereum = token_count(ethereum_processed) top10_ethereum
Out[46]:	<pre>[('char', 80),     ('ethereum', 37),     ('bitcoin', 28),     ('cryptocurrency', 22),     ('cryptocurrencies', 21),     ('illustration', 20),     ('taken', 20),     ('june', 19),     ('representations', 16),     ('reutersdado', 15)]</pre> Word Clouds
	In this section, you will generate word clouds for each coin to summarize the news for each coin  from wordcloud import Wordcloud import matplotlib.pyplot as plt plt.style.use('seaborn-whitegrid') import matplotlib as mpl mpl.rcParams['figure.figsize'] = [20.0, 10.0]  # Generate the Bitcoin word cloud wc = WordCloud().generate(bitcoin_article)
Out[48]:	<pre>cmatplotlib.image.AxesImage at 0x7fe8e45c5760&gt;</pre>
	Tesla  Te
In [49]: Out[49]:	# Generate the Ethereum word cloud wc = WordCloud().generate(ethereum_article) plt.imshow(wc) <matplotlib.image.axesimage 0x7fe8d882af40="" at=""></matplotlib.image.axesimage>
	PC motherboard July June Taken June REUTERS  Discriptocurrencies Bitcoin June REUTERS  Discriptocurrencies Bitcoin Sethereum June Sethereum Sether
	150 ILUSTRATION REUTERS Dado 175 Chars Representations REUTERS Dado 176 Spanish edition 150 200 250 300 350
	3. Named Entity Recognition  In this section, you will build a named entity recognition model for both Bitcoin and Ethereum, then visualize the tags using SpaCy.  import spacy from spacy import displacy  # Download the language model for SpaCy # !python -m spacy download en_core_web_sm
In [52]: In [54]:	<pre># Load the spaCy model nlp = spacy.load('en_core_web_sm')  Bitcoin NER  # Concatenate all of the Bitcoin text together bitcoin_article = ' '.join(bitcoin_articles_df.Article) bitcoin_article</pre>
Out[54]:	'Like Dogecoin devotees, the mayor of Reno, and the leaders of El Salvador, Aldo Baoicchi is convinced cryptocu rrency is the future. The CEO and founder of Canadian scooter maker Daymak believes this [+4116 chars] Filed under:\r\nThe supply chain attack has reached over a thousand organizations.\r\nIllustration by Alex Castro / The Verge\r\nThree days after ransomware attackers started the holiday weekend by comprom [+3376 chars] image copyrightGetty Images\r\nThe gang behind a "colossal" ransomware attack has demanded \$70m (£50.5m) paid in Bitco in in return for a "universal decryptor" that it says will unlock the files of all [+4140 chars] To get a roundup of TechCrunchs biggest and most important stories delivered to your inbox every day at 3 p.m. PDT, subscribe here.\r\nHello and welcome to Daily Crunch for July 23, 2021. Its been an i [+5456 chars] While retail investors grew more comfortable buying cryptocurrencies like Bitcoin and Ethereum in 2021, the decentralized application world still has a lot of work to do when it comes to onboarding a [+2288 chars] As longtime TechCrunch readers know well, Michael Arrington cofounded TechCrunch and Crunchbase, as well as the venture fund CrunchFund, which was later renamed Tuesday Capital. But In 2017, Arringto [+12730 chars] SINGAPORE, July 28 (Reuters) - Bitcoin broke above \$40,000 on Wednesday and headed for another attempt at breaking from its monthslong range as short sellers bailed out and traders drew confidence fr [+351 chars] James Martin/CNET\r\nA UK man was arre
	sted in Spain for his alleged role in a massive hack of high-profile Twitter accounts that targeted politicians \xa0and celebrities in 2020, the US Department of Justi [+1397 chars] A representation of virtual currency bit coin is seen in front of a stock graph in this illustration taken November 19, 2020. REUTERS/Dado Ruvic/Illustr ationSINGAPORE, July 21 (Reuters) - Bitcoin reco [+497 chars] By Reuters Staff\r\nFILE PHOTO: A representation of virtual currency bitcoin is seen in front of a stock graph in this illustration taken November 19, 2020. REUTERS/Dado Ruvic/Illustration\r\nSINGAPORE ( [+410 chars] Representations of cryptocurrencies Bitcoin, Ethereu m, DogeCoin, Ripple, Litecoin are placed on PC motherboard in this illustration taken, June 29, 2021. REUTERS/Dado Ruvic/IllustrationWASHINGTON, Ju [+3970 chars] REUTERS/Dado Ruvic/Illustration\r\nWelcome to 10 Things Bef ore the Opening Bell. If this was forwarded to you, sign up here.\r\nMarkets Insider is selling its first NFTs. Get the details here.\r\nLet\'s get [+2549 chars] Opinions expressed by Entrepreneur contributors are their ow n.\r\nI launched my first business more than three decades ago. I launched my most recent business six months a go. I've invested in dozens si [+4277 chars] Representations of virtual currency bitcoin are seen in front of Tesla logo in this illustration taken, February 9, 2021. REUTERS/Dado RuvicJuly 21 (Reuters) - Electric-car mak er Tesla Inc (TSLA.O) w [+711 chars] Ransomware attacks, fueled by COVID-19 pandemic turbulence, have become a
	major money earner for cybercriminals, with the number of attacks rising in 2020.\r\nThese file-encrypting atta cks have continu [+4082 chars] image captionThe group recently demanded a huge bitcoin ransom for an attack ta rgeting IT firm Kaseya\r\nWebsites for a Russian-linked ransomware gang blamed for attacks on hundreds of busin esses world [+1500 chars] Circle has announced that it plans to become a public company. The cryptocurrency co mpany will merge with Concord Acquisition Corp, a SPAC. Circle is better known as one of the founding members of th [+2706 chars] The world has known for months that more than half the world\'s bitcoin miners would be going dark as China cracked down on mining. Now that it\'s happened, the bitcoin algorithm has adjusted according [+1938 chars] LONDON, July 20 (Reuters) - Bitcoin fell on Tuesday to its lowest in almost a month, slumping below \$30,000 as regulators continued calls for tighter checks on cryptocurrencies.\r\nThe world\'s largest [+1100 chars] By Reuters Staff\r\nAmazon app is seen on a smartphone in this illustration taken, July 13, 2021. REU TERS/Dado Ruvic/Illustration\r\n(Reuters) - Amazon.com Inc on Monday denied a media report saying the [+1079 chars] Posted \r\nTesla is likely to start taking bitcoin again, as long as it sees signs the e-coin is becoming more environmentally sustainable, says company boss Elon Musk. 22 with 21 posters participating\r\nAmazon posted a job opening late last week that suggested the e-commerce giant may be considering accepting cryptocurrence.
	ies as a form of payment.\r\nThe posting sent [+6160 chars] Representations of cryptocurrencies Bitcoin and E thereum are placed on PC motherboard in this illustration taken, June 29, 2021. REUTERS/Dado Ruvic/Illustration Aug 3 (Reuters) - The Ethereum platform [+2412 chars] This story originally appeared on be[IN]cryptoBitcoin mi ner Bit Digital said it would be leasing space in Miami Beach for its second U.S. location.\r\nThe new office w ill be managed and overseen by Bit [+1832 chars] Cryptocurrencies spiked Monday after Amazon listed an open jo b for a digital currency and blockchain product lead.\xa0\r\nAmazon is known for plummeting the stocks of would -be rivals whenever rumors swirl [+1425 chars] A representation of virtual currency Bitcoin is seen in front of a stock graph in this illustration taken March 15, 2021. REUTERS/Dado Ruvic/Illustration/File PhotoSAN SALVAD OR, July 8 (Reuters) - In [+1504 chars] By Reuters Staff\r\nJuly 9 (Reuters) - Square Inc will make a hardware wallet for bitcoin, the payments company confirmed in a tweet on Thursday shortly before U.S. Senator Elizabeth Warren flagged gro [+1497 chars] A Bitcoin (virtual currency) logo is pictured on a door in an illustration picture taken at La Maison du Bitcoin in Paris May 27, 2015. British authorities have come out in support of digit tal currenc [+1290 chars] Posted \r\nCryptocurrencies popped to the top of recent ranges on Monday as short se llers bailed out in the wake of a strong week and while traders hoped a handful of positive comments from influential [+54 chars] Representations of the Bitcoin cryptocurrency are seen in this illustration picture taken J
	une 7, 2021. REUTERS/Edgar Su/Illustration/File PhotoJuly 9 (Reuters) - Square Inc (SQ.N) will make a hardwa [+1675 chars] Representations of the Bitcoin cryptocurrency are seen in this illustration picture taken June 7, 2021. REUTERS/Edgar Su/IllustrationNEW YORK, July 19 (Reuters) - Bitcoin investment products and fund [+2098 chars] July 26 (Reuters) - Amazon.com Inc (AMZN.O) on Monday denied a media report saying the e-commerce giant w as looking to accept bitcoin payments by the end of the year.\r\nThe report from London\'s City A [+1100 chars] Posted \r\nTesla is likely to start taking bitcoin again, as long as it sees signs the e-coin is becoming mo re environmentally sustainable, says company boss Elon Musk. Julian Satterthwaite reports. A representation of the virtual cryptocurrency Bitcoin is seen in this picture illustration taken June 14, 2021. REUTERS/Edgar Su/I llustration/FilesNEW YORK, Aug 2 (Reuters) - Cryptocurrency investme [+2265 chars] LONDON, July 15 (Reuters) - Chinas share of global bitcoin production power fell sharply even before a recent crackdown by its authorities on cryptocurrency mining, research by the University of Camb [+1694 chars] ARK Invest\r\nCathie Wood doubled down on her defense of bitcoin as "environmentally conscious", bucking criticism of major figures, including Elon Musk, fn the asset\'s harmful ecological impact.\r\n"The [+2038 chars] Critics argue that the energy-intensi ve bitcoin mining process is bad for the planet.\r\nLars Hagberg/Getty Images\r\nShares of cryptocurrency minin
	g companies soared in early Monday morning trading as b [+1207 chars] Nicolas Economou/NurPhoto via Getty Images\r\nA new mutual fund will allow traders to invest in bitcoin without going through the process of buying the asset itself.\r\nProFunds on Wednesday launched Bit [+1274 chars] Elon Musk said two-thirds of the "personal a nd professional pain" he\'s experienced has stemmed from running Tesla.\xa0\r\nIn a virtual bitcoin conference with Twitter CEO Jack Dorsey, Musk who\'s also CEO [+1574 chars] MicroStrategy CEO Michael Saylor and Sen. El izabeth Warren.\r\nJoe Raedle/Getty Images (for Saylor) and Greg Nash-Pool/Getty Images (for Warren)\r\nMichael Saylor says he believes MicroStrategy\'s associa [+2333 chars] HONG KONG/SHANGHAI, July 7 (Reuters) - Large bitcoin miners fleeing China to escape a state crackdown will take many months to start operating again, as data centres from Texas to Siberia scramble to [+4708 chars] A Chinese flag is seen among representations of Bitcoin and other cryptocurrencies in this illustration picture taken June 2, 2021. REUTERS/Florence Lo/IllustrationLONDON, July 15 (Reuters) - China\'s [+1974 chars] This story originally appeared on be[IN]cryptoMaryland-based ProFunds is launching a publicly available mutual fund connected to the value of bitcoin (BTC).\r\nThe Bitcoin Strategy ProFund invests in b [+1875 chars] Bitcoin\r\nNurphoto / Getty Images\r\nA swath of shares in Graysca
	le Bitcoin Trust worth nearly 40,000 bitcoins will unlock in July in a hotly anticipated lockup expiration for the world\'s largest bitcoi [+3594 chars] Prices go up, prices go down but Bitcoin is here to stay. And as cryptocurrency continues its march toward the mainstream, and becomes more entwined with the global economy, so oner or later you\'re [+10626 chars] Representations of the Bitcoin cryptocurrency are seen in this illustrati on picture taken June 7, 2021. REUTERS/Edgar Su/Illustration/File PhotoLONDON, July 12 (Reuters) - Trading volu mes at major cr [+1271 chars] By Reuters Staff\r\nBANGKOK, July 8 (Reuters) - Thailands central bank on Thursd ay warned against using digital assets such as Bitcoin and Ether as payment for goods and services given what i t said wer [+1051 chars] LONDON (Reuters) - Regulators are getting anxious about how mushrooming stablecoins - mostly dollar-pegged crypto tokens - could sow instability in wider financial markets more directly than alread y [+5615 chars] (The author is editor-at-large for finance and markets at Reuters News. Any views expressed h ere are his own)\r\nLONDON, July 14 (Reuters) - Regulators are getting anxious about how mushrooming stablec [+5548 chars] July 20 (Reuters) - Companies that transfer bitcoin or other cryptoassets must collect details of senders and recipients to help authorities crack down on dirty money, EU policymakers proposed on Tue [+1690 chars] FILE PHOTO: The Bank of England can be seen as people cycle through the City of London financial distric
	t, in London, Britain, June 11, 2021. REUTERS/Henry Nicholls/File Photo\r\nLONDON (Reuters) - Hig [+1739 char s] This story originally appeared on be[IN]cryptoExchange-traded fund (ETF) provider, Global X, has submitted a filing of its own with the SEC for a bitcoin ETF.\xa0\r\nGlobal X joined the myriad of companie [+2345 chars] LONDON, July 13 (Reuters) - Highly-speculative cryptoassets like bitcoin are becoming more interlinked with big investors, but they don\'t pose a threat that requires action beyond monitoring for now, [+1697 chars] Michael Saylor, CEO of MicroStrategy\r\nJoe Raedle/Getty Images\r\nBitcoin bull Michael Saylor said the cryptocurrency \'s volatility will always hurt those who invest purely to trade or based on speculati [+2058 chars] Elon Musk said Wednesday that his company, Tesla, would "most likely" accept Bitcoin again in the future.\xa0\r\nDuring a live-streamed conversation with Twitter founder Jack Dorsey for the B Word Confere [+1227 chars] Bitcoin has l ost around half its value since April.\r\nDado Ruvic/Reuters\r\nThe price of bitcoin slipped 7% Thursday amid a broader cryptocurrency sell-off that has also dragged crypto-linked stocks low [+1619 chars] Greenidge is allowed to take in 139 million gallons of water and discharge 135 million gallons daily, which local residents say is heating up Seneca Lake.\r\nJohn Greim/LightRocket via Getty Images\r\nLo [+3574 chars] Twitter CEO Jack Dor sey said part of what drives his passion for bitcoin is its community, which he described as being "weird as he
	11."\r\nDorsey chatted everything related to the digital asset in a vi [+1407 chars] David McNew/AFP via Gett y; ARK Invest; Patricia De Melo Moreira/AFP via Getty; Bitcoin; Samantha Lee/Insider\r\nBitcoin\'s surged as mu ch as 10% on Wednesday as Tesla CEO Elon Musk, Square CEO Jack Dors [+1935 chars] Bitcoin has fallen more than 40% from its April record high.\r\nMarco Bello/Getty Images\r\n <ul><li>\r\nV=\lambda beada [+1955 chars] Gary Gensler is working on Biden \'s financial regulatory plans.\r\nChip Somodevilla/Getty Images\r\nIf you invest in crypto, "ask questions and demand clear answers." That advice, from former SEC Chair Ja [+4125 chars] As the\xa0crypto payments\r\n marke t gains steam, lawmakers and regulators across the globe are trying to figure out how to regulate digital curre ncies effectively to ensure safety and legitimacya debate [+1678 chars] Lots of computing power is used on bit tooin mining.\r\nLars Hagberg/Getty Images\r\nThe recent rise in stocks linked to bitcoin mining may be a posit ive signal for the cryptocurrency\'s price, research fir [+2164 chars] Bitcoin has climbed sharply in recent days.\r\nREUTERS/Dado Ruvic\r\nBitcoin is facing a "do-or-die" moment and could move sharply higher if it can hold on to the stellar weekly gains that have taken it [+2315 chars] A small toy figure and representations of the virtual currency Bitcoin stand on a motherboard in this picture illustration taken May 20, 2021. REUTERS/Da</li></ul>
	do Ruvic/IllustrationSHANGHAI, July 14 (Reuter [+1829 chars] Getty Images\r\nEarlier this month, hundreds of companies from the US to Sweden were entangled in the\xaOKaseya ransomware attack\xaOon Kaseya, which provides network infrastructure for businesses around the [+10000 chars] The Fine Print: The following comments are owned by whoever posted them. We are not responsible for them in any way. North America\'s largest crypto mine is six miles outside Rockdale, Texas, "a four-square-mile town that hosts a Walmart, one other grocery store, a handful of Mexican restaurants and a couple of pizz [+3024 chars] Will it go back up? Probably, but for Bitcoin investors, there are definitely reasons to be cautious, outside of the normal volatility associated with cryptoc urrencies. For one, China is crackingdown [+1231 chars] The U.S. has fast become the new darling of the bitcoin mining world. It is the second-biggest mining destination on the planet, accounting for nearly 17% of all the world\'s bitcoin miners as of Apri [+1732 chars] In a sign of the bubbling enthusiasm for digital currencies, the Crypto Kids Camp began Monday in a warehouse in a busy port district. Over five days, the camp combines act ivities that would be commo [+1506 chars] EU Plans To Make Bitcoin Transfers More Traceable\r\nYou don\'t say [slashdot.org] Children begin by loving their parents. After a time they judge them. Rarely,\r\nif ever, do the y forgive them.\r\n- Oscar Wilde By Reuters Staff\r\nLONDON, July 12 (Reuters) - Trading volumes at major crypt
	ocurrency exchanges fell by more than 40% in June, research showed on Monday, with a regulatory crackdown in Ch ina and lowe [+1063 chars] A local business in El Salvador that accepts bitcoin payments.\r\nAlex Pena/Anadolu Agency via Getty Images\r\nBitcoin, the world\'s most traded cryptocurrency, will surpass money issued by centr al banks [+2710 chars] Disclosure: Our goal is to feature products and services that we think you\'ll find in teresting and useful. If you purchase them, Entrepreneur may get a small share of the revenue from the sale from o [+2115 chars] Representations of cryptocurrencies Bitcoin, Ethereum, DogeCoin, Ripple, Litecoin are placed on PC motherboard in this illustration taken June 29, 2021. REUTERS/Dado Ruvic/Illustration/File PhotoNEW [+2 012 chars] Small toy figurines are seen on representations of the Bitcoin virtual currency displayed in front of an image of China\'s flag in this illustration picture, April 9, 2019. REUTERS/Dado Ruvic/Illustra [+881 cha rs] NEW YORK (Reuters) - Cryptocurrency investment products and funds posted outflows to start the second half of the year, as cautious sentiment persisted in the midst of a summer lull, according to dat [+1892 chars] By Reuters Staff\r\nFILE PHOTO: Small toy figurines are seen on representations of the Bitcoin virtual currency displayed in front of an image of China\'s flag in this illustration picture, April 9, 201 [+771 chars]'
In [55]:	<pre># Run the NER processor on all of the text bitcoin_doc = nlp(bitcoin_article)  # Add a title to the document bitcoin_doc.user_data["title"] = "Bitcoin NER"  # Render the visualization displacy.render(bitcoin_doc, style='ent')</pre>

PRO GP ano Ja according to the second RE By Fill No cryst 202 OR	ichael Arrington PERSON cofounded TechCrunch Loc and Crunchbase ORG, as well as the venture fund Crunchbase ORG, as well as the venture fund Crunchbase ORG.
REBy FIII No cryp 202 OR	Tuesday DATE Capital. But In 2017 DATE, Arringto [+12730 chars] SINGAPO  E, July 28 DATE (Reuters ORG) - Bitcoin broke above \$ 40,000 MONEY on Wednesday DATE and header ther attempt at breaking from its monthslong range as short sellers bailed out and traders drew confidence fr [+351 characters Martin/CNET PERSON  UK GPE man was arrested in Spain GPE for his alleged role in a massive hack of high-profile Twitter PRODUCT
202 or	counts that targeted politicians and celebrities in 2020 DATE, the US Department of Justi ORG [+1397 chars] A resentation of virtual currency bitcoin is seen in front of a stock graph in this illustration taken November 19, 2020 DATE CUTERS ORG / Dado Ruvic/IllustrationSINGAPORE ORG , July 21 DATE (Reuters ORG) - Bitcoin reco [+49] Reuters ORG Staff  LE ORG PHOTO: A representation of virtual currency bitcoin is seen in front of a stock graph in this illustration taken ovember 19, 2020 DATE . REUTERS ORG / Dado Ruvic/Illustration SINGAPORE ORG ( [+410 chars] Representation of the country of the US Department of Justion Country of Table Country of Tabl
	Date REUTERS ORG / Dado Ruvic PERSON /IllustrationWASHINGTON, Ju PERSON [+3970 chars] REUTERS ORG / Dado Ruvic/Illustration PERSON Welcome to 10 CARDINAL Things Before the Opening Bell ORG . If this was warded to you, sign up here.  kets Insider is selling its first ORDINAL NFTs. Get the details here.  s get [+2549 chars] Opinions expressed by Entrepreneur ORG contributors are their own.
mor in fr Re	inched my first ordinal business more than three decades ago date. I launched my most recent business six of this ago date. If you invested in dozens cardinal si [+4277 chars] Representations of virtual currency bitcoin are cont of Tesla logo in this illustration taken, February 9, 2021 date. REUTERS org / Dado GPE RuvicJuly 21 (ceuters org ) - Electric-car maker Tesla Inc org (TSLA.O) w [+711 chars] Ransomware attacks, fueled by COVID-19 demic turbulence, have become a major money earner for cybercriminals, with the number of attacks rising in 2020 dates file-encrypting attacks have continu [+4082 chars] image captionThe group recently demanded a huge bitcoin ransomatical contractions of virtual currency bitcoin are continually contractions.
Wek +15 Cα The	Distance that targeting IT firm Kaseya PERSON  Distance for a Russian NORP -linked ransomware gang blamed for attacks on hundreds CARDINAL of businesses work  Distance for a Russian NORP -linked ransomware gang blamed for attacks on hundreds CARDINAL of businesses work  Distance for a Russian NORP -linked ransomware gang blamed for attacks on hundreds CARDINAL of businesses work  Distance for a Russian NORP -linked ransomware gang blamed for attacks on hundreds CARDINAL of businesses work  Distance for a Russian NORP -linked ransomware gang blamed for attacks on hundreds CARDINAL of businesses work  Distance for a Russian NORP -linked ransomware gang blamed for attacks on hundreds CARDINAL of businesses work  Distance for a Russian NORP -linked ransomware gang blamed for attacks on hundreds CARDINAL of businesses work  Distance for a Russian NORP -linked ransomware gang blamed for attacks on hundreds CARDINAL of businesses work  Distance for a Russian NORP -linked ransomware gang blamed for attacks on hundreds CARDINAL of businesses work  Distance for a Russian NORP -linked ransomware gang blamed for attacks on hundreds CARDINAL of businesses work  Distance for a Russian NORP -linked ransomware gang blamed for attacks on hundreds CARDINAL of businesses work  Distance for a Russian NORP -linked ransomware gang blamed for attacks on hundreds CARDINAL of businesses work  Distance for a Russian NORP -linked ransomware gang blamed for attacks on hundreds CARDINAL of businesses work  Distance for a Russian NORP -linked ransomware gang blamed for attacks on hundreds CARDINAL of businesses work  Distance for a Russian NORP -linked ransomware gang blamed for attacks on hundreds CARDINAL of businesses work  Distance for a Russian NORP -linked ransomware gang blamed for attacks on hundreds CARDINAL of businesses work  Distance for a Russian NORP -linked ransomware gang blamed for attacks on hundreds CARDINAL of businesses work  Distance for a Russian NORP -linked ransomware gang blamed for attacks on hundreds CARDINAL of
slu The Ama Ruv	ONDON GPE , July 20 DATE ( Reuters ORG ) - Bitcoin fell on Tuesday DATE to its lowest in almost a month amping below \$ 30,000 MONEY as regulators continued calls for tighter checks on cryptocurrencies.  world's largest [+1100 chars] By Reuters ORG Staff  azon app is seen on a smartphone in this illustration taken, July 13, 2021 DATE . REUTERS ORG / Dado  ic/Illustration ORG  Reuters ORG ) - Amazon.com Inc on Monday DATE denied a media report saying the [+1079 chars] Posted
Ar Acc	is likely to start taking bitcoin again, as long as it sees signs the e-coin is becoming more environmentally tainable, says company boss    Elon Musk Person . 22 CARDINAL with 21 CARDINAL posters participating mazon org posted a job opening late last week DATE that suggested the e-commerce giant may be considering epting cryptocurrencies as a form of payment.  posting sent [+6160 chars] Representations of cryptocurrencies Bitcoin and    Ethereum Person are placed on PC herboard in this illustration taken, June 29, 2021 DATE . REUTERS ORG / Dado Ruvic/IllustrationAug 3 Person
Remine The Ar	euters org ) - The Ethereum person platform [+2412 chars] This story originally appeared on be[IN]cryptoBitcoin er Bit Digital org said it would be leasing space in Miami Beach org for its second ordinal U.S. org local new office will be managed and overseen by Bit person [+1832 chars] Cryptocurrencies spiked Monday date mazon org listed an open job for a digital currency and blockchain product lead.  The mazon org is known for plummeting the stocks of would-be rivals whenever rumors swirl [+1425 chars] A representation.
OR Ju twe	et on Thursday DATE shortly before U.S. GPE Senator Elizabeth Warren PERSON flagged gro [+1497 chars] A oin (virtual currency) logo is pictured on a door in an illustration picture taken at La Maison du Bitcoin FAC in Paris
Cry <sub>l</sub> DA  Cry <sub>k</sub>	ay 27, 2015 DATE . British NORP authorities have come out in support of digital currenc [+1290 chars] Posted procurrencies popped to the top of recent ranges on Monday DATE as short sellers bailed out in the wake of a strong and while traders hoped a handful of positive comments from influential [+54 chars] Representations of the Bitcoin procurrency are seen in this illustration picture taken June 7, 2021 DATE . REUTERS ORG / Edgar Su/Illustration/Finance PhotoJuly 9 DATE (Reuters ORG) - Square Inc (SQ.N) will make a hardwa [+1675 chars] Representations Bitcoin cryptocurrency are seen in this illustration picture taken June 7, 2021 DATE . REUTERS ORG / Edgar
Ju com The	IllustrationNEW PERSON YORK, July 19 DATE ( Reuters ORG ) - Bitcoin investment products and fund [+2098 of the person of the
Su/I LC rece	DNDON GPE , July 15 DATE ( Reuters ORG ) - Cryptocurrency investme [+2265 chars]  ONDON GPE , July 15 DATE ( Reuters ORG ) - Chinas share of global bitcoin production power fell sharply even the crackdown by its authorities on cryptocurrency mining, research by the University of Camb ORG [+1694 chars]  ONDON GPE athie Wood PERSON doubled down on her defense of bitcoin as "environmentally conscious", bucking criticism of major
"The La Sha	res, including Elon Musk PERSON , fin the asset's harmful ecological impact.  e [+2038 chars] Critics argue that the energy-intensive bitcoin mining process is bad for the planet.  ITS Hagberg PERSON / Getty Images ORG  THE Trading as b [+1207 chars]  Colas Economou PERSON / NurPhoto ORG via Getty Images ORG  EW mutual fund will allow traders to invest in bitcoin without going through the process of buying the asset itself.
of th In a [+15	Tunds on Wednesday DATE launched Bit PERSON [+1274 chars] Elon Musk PERSON said two-thirds CARD two-thirds card ne "personal and professional pain" he's experienced has stemmed from running Tesla PERSON .  virtual bitcoin conference with Twitter PRODUCT CEO Jack Dorsey PERSON , Musk PERSON who's also CEO  574 chars] MicroStrategy CEO Michael Saylor PERSON and Sen. Elizabeth Warren PERSON .  See Raedle PERSON /Getty Images (for Saylor PERSON ) and Greg Nash-Pool/Getty Images PERSON (for Warren
Ju	
The Nur A sv	licly available mutual fund connected to the value of bitcoin (BTC).  Bitcoin Strategy ProFund invests in b [+1875 chars] Bitcoin  photo / Getty Images  wath of shares in Grayscale Bitcoin Trust ORG worth nearly 40,000 CARDINAL bitcoins will unlock in July DATE  y anticipated lockup expiration for the world's largest bitcoi [+3594 chars] Prices go up, prices go down but Bitcoin is  tay. And as cryptocurrency continues its march toward the mainstream, and becomes more entwined with the global econ
Ju ) - T BAN	ner or later you're [+10626 chars] Representations of the Bitcoin cryptocurrency are seen in this illustration picture take and 7, 2021 DATE. REUTERS ORG / Edgar Su/Illustration/File PERSON PhotoLONDON, July 12 DATE ( Reuter Trading volumes at major cr [+1271 chars] By Reuters ORG Staff  NGKOK, July 8 DATE ( Reuters ORG ) - Thailands central bank on Thursday DATE warned against using digital that as Bitcoin and Ether as payment for goods and services given what it said wer [+1051 chars] LONDON GPE ( Reuters ORG ) - Regulators are getting anxious about how mushrooming stablecoins - mostly dollar-pegged crypto tokens - could stable to the stable of the stable
LC [+5! sen	Ability in wider financial markets more directly than already [+5615 chars] (The author is editor-at-large for finance and kets at Reuters News org. Any views expressed here are his own)  ONDON GPE, July 14 DATE (Reuters org.) - Regulators are getting anxious about how mushrooming stablec  548 chars] July 20 DATE (Reuters org.) - Companies that transfer bitcoin or other cryptoassets must collect det ders and recipients to help authorities crack down on dirty money, EU org. policymakers proposed on Tue work_or 1690 chars] FILE org. PHOTO: The Bank of England org. can be seen as people cycle through the City of London.
LC (ETI	Financial district, in London GPE, Britain GPE, June 11, 2021 DATE. REUTERS ORG / Henry Nicholls/  RESON File Photo  ONDON GPE ( Reuters ORG ) - Hig [+1739 chars] This story originally appeared on be [IN] crypto Exchange-traded for provider, Global X PRODUCT, has submitted a filing of its own with the SEC ORG for a bitcoin ETF ORG.  Coal X joined the myriad of companie [+2345 chars] LONDON GPE, July 13 DATE ( Reuters ORG ) - Highly-  coulative cryptoassets like bitcoin are becoming more interlinked with big investors, but they don't pose a threat that require
Jo Bitc on s	on beyond monitoring for now, [+1697 chars] Michael Saylor Person, CEO of MicroStrategy orgove Raedle Person /Getty Images oin bull Michael Saylor Person said the cryptocurrency's volatility will always hurt those who invest purely to trade or speculati [+2058 chars] Elon Musk Person said Wednesday DATE that his company, Tesla Person, would "y" accept Bitcoin again in the future.
Cha  The  Cryp  13	ing a live-streamed conversation with Twitter PRODUCT founder Jack Dorsey PERSON for the B Word Confere [+/ rs] Bitcoin has lost around half CARDINAL its value since April DATE .  ado Ruvic PERSON / Reuters ORG  price of bitcoin slipped 7% PERCENT Thursday DATE amid a broader cryptocurrency sell-off that has also dragge oto-linked stocks low [+1619 chars] Greenidge is allowed to take in 139 million gallons QUANTITY of water and discharge in the propose of the p
Lo Com Do via (	Chin Greim Person / LightRocket org via Getty Images org  Deperson [+3574 chars] Twitter CEO Jack Dorsey Person said part of what drives his passion for bitcoin is its numity, which he described as being "weird as hell."  Deperson chatted everything related to the digital asset in a vi [+1407 chars] David McNew Person / AFP org via Getty; Bitcoin; Samantha Lee/Inside oin's Person surged as much as 10% Percent on Wednesday Date as Tesla CEO Elon Musk Person , Secondary Date of CEO Lack Date Person (141935 chars) Bitcoin has fallen more than 40% Percent from its April Date re
<ul><li><ul><li>ahe</li></ul></li></ul>	
As to e	the crypto payments  ket gains steam, lawmakers and regulators across the globe are trying to figure out how to regulate digital currencies effects  nsure safety and legitimacya debate [+1678 chars] Lots of computing power is used on bitcoin mining.  ITS Hagberg PERSON / Getty Images ORG  recent rise in stocks linked to bitcoin mining may be a positive signal for the cryptocurrency's price, research fir [+2164]
We on a	Dado Ruvic Bitcoin ORG is facing a "do-or-die" moment and could move sharply higher if it can hold on to the seekly DATE gains that have taken it [+2315 chars] A small toy figure and representations of the virtual currency Bitcoin a motherboard in this picture illustration taken May 20, 2021 DATE . REUTERS ORG / Dado Ruvic/IllustrationSHAN (Reuter [+1829 chars] Getty Images  Arlier this month DATE , hundreds CARDINAL of companies from the US GPE to Sweden GPE were entangled.
cha ther , "a NO	Kaseya ransomware attack on Kaseya GPE, which provides network infrastructure for businesses around the [+1000 rs] The Fine Print work_of_art: The following comments are owned by whoever posted them. We are not responsible in any way. North America's Loc largest crypto mine is six miles QUANTITY outside Rockdale GPE, Texas four-square-mile QUANTITY town that hosts a Walmart, one CARDINAL other grocery store, a handful of Mexican restaurants and a couple of pizz [+3024 chars] Will it go back up? Probably, but for Bitcoin investors, there are defined to be cautious, outside of the normal volatility associated with cryptocurrencies. For one CARDINAL, China GPI
OR Ar M	ckingdown [+1231 chars] The U.S. GPE has fast become the new darling of the bitcoin mining world. It is the second plinal -biggest mining destination on the planet, accounting for nearly 17% PERCENT of all the world's bitcoin miners or or or or or in or i
LC 40%	Percent in June Date, research showed on Monday Date, with a regulatory crackdown in China GPE are [+1063 chars] A local business in El Salvador GPE that accepts bitcoin payments.
find o n th	pass money issued by central banks [+2710 chars] Disclosure: Our goal is to feature products and services that we think interesting and useful. If you purchase them, Entrepreneur PERSON may get a small share of the revenue from the sal [+2115 chars] Representations of cryptocurrencies Bitcoin, Ethereum, DogeCoin, Ripple, Litecoin are placed on PC mother his illustration taken June 29, 2021 DATE. REUTERS ORG / Dado Ruvic/Illustration/File ORG PhotoNEW [+20 prs] Small toy figurines are seen on representations of the Bitcoin ORG virtual currency displayed in front of an image of the ORG PhotoNEW [+20 prs] shall toy figurines are seen on representations of the Bitcoin ORG virtual currency displayed in front of an image of the ORG PhotoNEW [+20 prs] shall toy figurines are seen on representations of the Bitcoin ORG virtual currency displayed in front of an image of the ORG PhotoNEW [+20 prs] shall toy figurines are seen on representations of the ORG PhotoNEW [+20 prs] shall toy figurines are seen on representations of the ORG PhotoNEW [+20 prs] shall toy figurines are seen on representations of the ORG PhotoNEW [+20 prs] shall toy figurines are seen on representations of the ORG PhotoNEW [+20 prs] shall toy figurines are seen on representations of the ORG PhotoNEW [+20 prs] shall toy figurines are seen on representations of the ORG PhotoNEW [+20 prs] shall toy figurines are seen on representations of the ORG PhotoNEW [+20 prs] shall toy figurines are seen on representations of the ORG PhotoNEW [+20 prs] shall toy figurines are seen on representations of the ORG PhotoNEW [+20 prs] shall toy figurines are seen on representations of the ORG PhotoNEW [+20 prs] shall toy figurines are seen on representations of the ORG PhotoNEW [+20 prs] shall toy figurines are seen on representations of the ORG PhotoNEW [+20 prs] shall toy figurines are seen on representations of the ORG PhotoNEW [+20 prs] shall toy figurines are seen on representations of the ORG P
cha FII	NEW YORK GPE ( Reuters ORG ) - Cryptocurrency investment products and funds posted outflows to start the ond half of the year DATE , as cautious sentiment persisted in the midst of a summer DATE lull, according to dat [4] rs] By Reuters ORG Staff  LE ORG PHOTO: Small toy figurines are seen on representations of the Bitcoin ORG virtual currency displayed in from mage of China GPE 's flag in this illustration picture, April 9 DATE , 201 CARDINAL [+771 chars]
Rer El Alc Car Day Ale	List all Entities  or ent in bitcoin_doc.ents:     print(ent.text + ' ' + ent.label_)  no GPE Salvador GPE do Baoicchi GPE nadian NORP ymak ORG ex Castro PERSON e Verge ORG ree days DATE
\$70 £50 eve 3 r Dai Jul Bit 202 Mic Cru	byrightGetty Images PERSON  Om MONEY  On MONEY
201 SIN Jul A0, Wed Jan UK Spa Twi 202	esday DATE 17 DATE NGAPORE GPE Ly 28 DATE sters ORG 1000 MONEY dnesday DATE sees Martin/CNET PERSON GPE sein GPE Ltter PRODUCT 20 DATE
Nov REU Dac Jul Reu Reu FII Nov REU Dac SIN	e US Department of Justi ORG  rember 19, 2020 DATE  JTERS ORG  do Ruvic/IllustrationSINGAPORE ORG  Ly 21 DATE  sters ORG  sters ORG  ters ORG  ters ORG  ters ORG  ters ORG  ters ORG  rember 19, 2020 DATE  JTERS ORG  do Ruvic/Illustration  NGAPORE ORG  ne 29, 2021 DATE
Dac Ju REU Dac PE 10 the fir Ent fir mor	JTERS ORG  do Ruvic PERSON  PERSON  JTERS ORG  do Ruvic/Illustration  ERSON  CARDINAL  do Opening Bell ORG  est ORDINAL  trepreneur ORG  est ORDINAL
Fek REU Dao Reu Tes 202 Kas Rus hur Cor SPA	zens CARDINAL bruary 9, 2021 DATE UTERS ORG do GPE uters ORG sla Inc ORG 20 DATE seya PERSON ssian NORP ndreds CARDINAL ncord Acquisition Corp ORG AC ORG
Chi LON Jul Reu alm 30, Reu Jul REU Dac Reu	the than half CARDINAL  Lina GPE  NDON GPE  Ly 20 DATE  Ly 30 RUVIC/Illustration ORG  Ly 30 DATE
Tes Elo 22 21 Ama lat Eth Jur REU Dao Reu Eth	nday DATE sla PERSON on Musk PERSON CARDINAL CARDINAL azon ORG te last week DATE nereum PERSON ne 29, 2021 DATE UTERS ORG do Ruvic/IllustrationAug 3 PERSON sters ORG nereum PERSON
Mia sec U.S Bit Mor Ama Mar REU Dao Jul Reu	E Digital ORG  Ami Beach GPE  Cond ORDINAL  G. GPE  C PERSON  Aday DATE  Azon ORG
Jul Reu Thu U.S Eli La Par May Bri Mor a s Jur	Leters ORG Ly 9 DATE Leters ORG Ly 9 DATE Leters ORG Ly DATE S. GPE Ly L
Edg 9 I	JTERS ORG  Jar Su/Illustration/File PERSON  DATE  Jaters ORG  Jaters ORG  Jaters ORG
Jur REU Edo Jul Reu Jul Reu Mor	gar Su/IllustrationNEW PERSON Ly 19 DATE uters ORG Ly 26 DATE uters ORG uday DATE
Jur REU LON Jul Reu Reu LON Reu	gar Su/IllustrationNEW PERSON Ly 19 DATE uters ORG Ly 26 DATE uters ORG day DATE end of the year DATE don GPE sla PERSON on Musk PERSON Lian Satterthwaite PERSON ne 14, 2021 DATE UTERS ORG gar Su/Illustration/FilesNEW YORK PERSON g 2 DATE uters ORG UDON GPE Ly 15 DATE uters ORG
Jur REI Jul Rei Lor Tess Lor Lor Lor Cat Lar Get ear more Nur Get Bit	gar Su/IllustrationNEW PERSON Ly 19 DATE uters ORG Ly 26 DATE tters ORG day DATE e end of the year DATE don GPE sla PERSON on Musk PERSON Lian Satterthwaite PERSON lian Satterthwaite PERSON gar Su/Illustration/FilesNEW YORK PERSON gy 2 DATE uters ORG RDON GPE Ly 15 DATE
Juri Red Gold Render Lord Red Gold Render Lord Red Gold Render Lord Red Gold Render Rend	THE SUPPLY OF THE STATE  THE STAT
Juri Red Juli Red Jul	JAR BAY IllustrationNEW PERSON  JOSEPH LIGES ORG  JOSEPH LIGES ORG
JURI E DU RELO MA COMBETA RELO	HAR SMAPTH DESTRUCTIONNERN PERSON  19 19 DATE  10 10 0 ATE  10 10 ATE
URE E JU RULE ON A CONTROL ON NO SECULO SECU	par Shi/IllustrationNum PackSon   Y   S Path   V   S Path
TRESTRUCTED TO THE CONTROL OF THE CO	par for Part Instruction of Tables    Value
TREDERING TO THE CONTROL OF THE CONT	THE PROPERTY OF THE PROPERTY O
TREDRICAL CONTROL OF C	THE PROPERTY OF THE PROPERTY O
TREDERING OF THE CONTROL OF THE CONT	See No. 10 Section Control Table
JREJRURIO CONTROL CONT	The Control of Control
DREDRUMENT CONTROL OF	The Control of the Co
JREJRJAM TLTEJJREARLJRAKCELG e m N N G W B E T T T J M M E J S G W M M H J R E J R R L J R A R L J R T A C E L G e m N N G W B E T T T J M M E J S G W M M H J R C m T S C J R E T T L L B J R H L R G S E L J R M M J M E W T T J a A D R 7 T 1 1 1 d S J L G L J D D A A P A S B a W E S J m A M 5 S G B C S L G r D B w M R D J E H U S K T N S R T f o M o C U S R T N S R T f o M o C U S R T N S R T f o M o C U S R T N S R T N S R T N S R T N S R T N S R T N S R T N S R T N S R T N S R T N	A Continue of Co
TREARLARD ARE AREA TO A CELEBART AREA TO A CONTROL OF A CELEBART AREA TO A CONTROL A CONTR	A
TREACH TO THE CONTRACT OF THE	*** A Company of the Company of
THE CONTROL OF THE CO	*** A CONTROL OF CONTROL  ***********************************

Bitcoin NER

