

TASK 4 - FACTIVA GUIDE TO OBTAIN COMPANY CODE & FREQUENCY

Aug 2021

OUR PURPOSE:

- Search for the frequency that a company is mentioned in a newspaper in each quarter in the period January 1995 – June 2020
- We follow these steps:
 1. Find the associated Factiva company code, industry information...
 2. Use the newspaper/source code and Factiva company code to search for the frequency that the company is mentioned during 01/01/1995-06/30/2020 in a newspaper.
 3. Repeat step 2 for other top newspapers (we have 11 newspapers).
 4. Repeat step 2 and 3 for other Factiva company codes.

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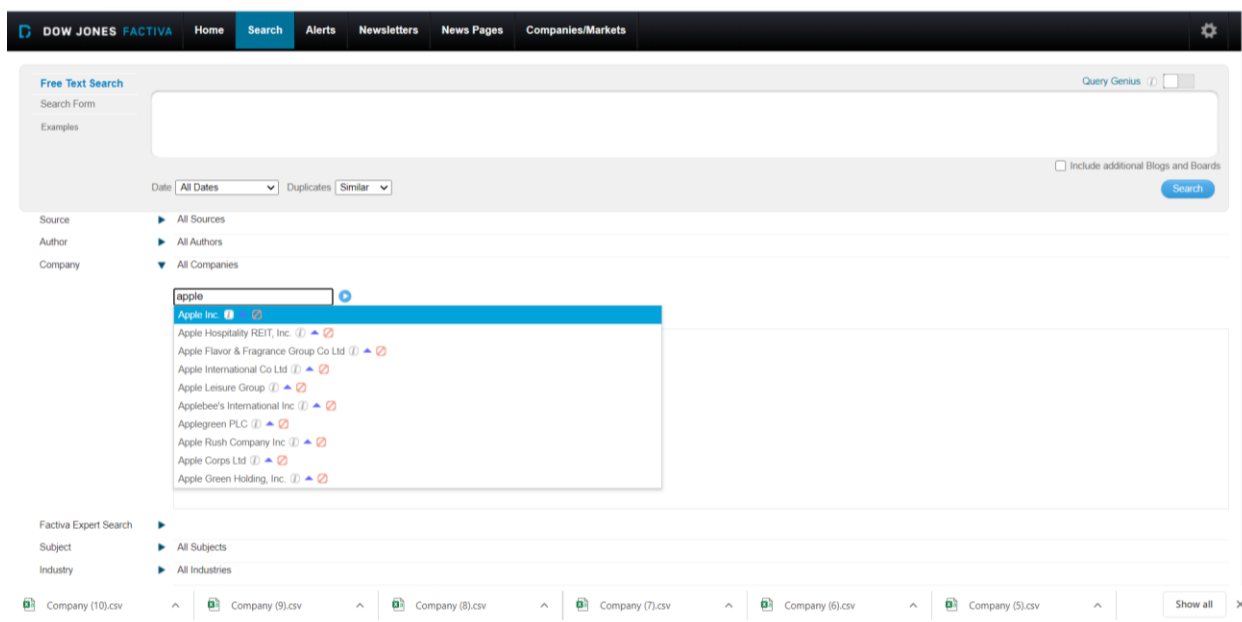
I. RETRIEVE THE PART OF COMPANIES YOU WILL WORK ON

- We have the list of company names obtained from STEP 1 in file “Factiva project\Factiva guide\STEP4_Factiva_company_list.xlsx” – column “Factiva_company_name” or “Factiva_company_name1”.
- use R code or Python code (STEP4_Company_frequency.R or STEP4_Company_frequency.py) to retrieve the part of companies from file “STEP4_Factiva_company_list.xlsx”, the code will export that part of data as .xlsx file
- Note: Your file should be named in the format: “STEP4_Factiva_company_list_No<NUMBER 1>_<NUMBER 2>_YOURNAME.xlsx”
where <NUMBER 1> is the first company ID you will do and <NUMBER 2> is the last company ID you will do.
For example: “STEP4_Factiva_company_list_No1_20_Ha.xlsx”: means Ha is doing companies from ID 1 to 20.

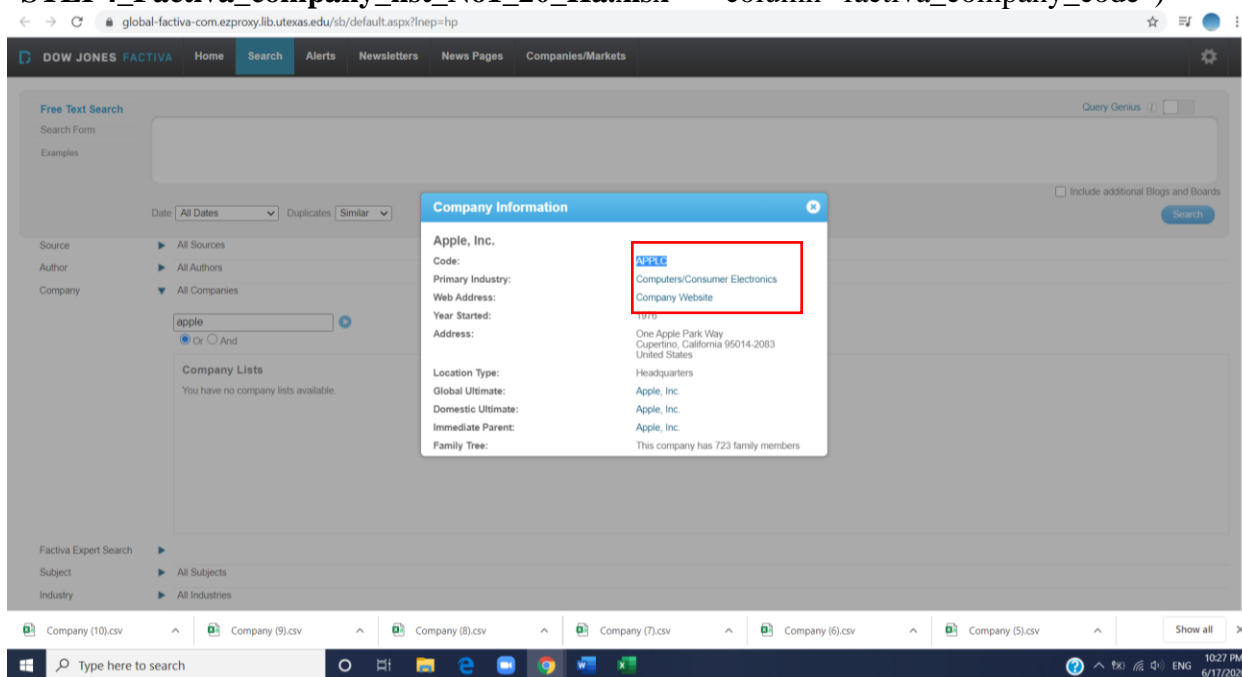
II. OBTAIN FACTIVA COMPANY CODE & SECTOR CODE

The steps below are to obtain the associated Factiva company code, the industry/sector and other information of the company. You will use the file you just extracted:

Step 1: From Factiva, put the name of the company into the search box, click the icon ⓘ next to the name of the company



Step 2: The information window will be opened, and we can see the Factiva company code associated with Apple Inc is **APPLC**. Then copy-paste this code into your file (For example “STEP4_Factiva_company_list_No1_20_Ha.xlsx” – column “factiva_company_code”)



Step 3: If it is an organization instead of a company, then type 0 into the column “company_flag” (type 1 if it is a company). For example, European Union is an organization as we do not see information for “primary industry”.

Step 4: Copy-paste the following information into the columns:

- “Primary industry” into the column “factiva industry”.
For example: copy-paste “**Computers/Consumer Electronics**” into the column “factiva industry”
- “address” into the column “address”
- “Location type” into the column “location_type”
- “Year started” into the column “year_started”
- “Global Ultimate” into the column “global_ultimate”

- “Domestic Ultimate” into the column “domestic_ultimate”
- “Immediate Parent” into the column “immediate_parent”

For example:

11	10	Apple Inc	APPLE INC	APPLC	US	Computers/Consumer One Apple Headquart	1976	Apple, Inc.	Apple, Inc.	Apple, Inc.	334	Computer and Electronic Product Manufactur	137000	260174	USA	United States o	334220	36
----	----	-----------	-----------	-------	----	--	------	-------------	-------------	-------------	-----	--	--------	--------	-----	-----------------	--------	----

Step 5: Write the country of origin of the company into column “company_country”, for example, here it is “US”. You can find 2-letter country code list in File “STEP4_Company_frequency.xlsx”-sheet “country_code” (it is ISO ALPHA-2)

Step 6: Click the primary industry, a new page will be opened. Copy-paste the NAICS code into the column “NAICS Subsector”, and the description of that NAICS Subsector into the column “NAICS Subsector Description”. For example: copy-paste “334” into the column “NAICS Subsector”, and “Computer and Electronic Product Manufacturing” into the column “NAICS Subsector Description”. Similar work for NACE/SIC code.

The screenshot shows the Factiva website interface. The main content area displays industry classification for 'Computer and Electronic Product Manufacturing' (NAICS 334). A red box highlights the following information:

SIC	N/A
NAICS	334 Computer and Electronic Product Manufacturing
NACE	36.6 Miscellaneous manufacturing n.e.c.
NACE	36.63 Other manufacturing n.e.c.
NACE	72 Computer and related activities
NACE	D Manufacturing
NACE	DN Manufacturing n.e.c.
NACE	K Real estate, renting and business activities
NACE	KA Real estate, renting and business activities

The page also includes a 'Top Participants by Sales' table with columns for company name and sales in USD m. The table lists companies like Apple, Inc., Samsung Electronics Co., Ltd., Microsoft Corp., Dell Technologies, Inc., Sony Corp., Panasonic Corp., Dell Technologies, Inc., Foxconn Industrial Internet Co., Ltd., HP, Inc., and LG Electronics, Inc. with their respective sales figures.

NOTE:

- It is possible that we could not be able to click the “primary industry” to access NAICS/SIC/NACE code like the example below. In this case, just copy-paste “Internet Search Engines” into the column “factiva_industry”.

The screenshot shows the Factiva website interface. A search for 'Google LLC' has been performed, and a pop-up window titled 'Company Information' is displayed. The pop-up contains the following information:

Company Information	
Code:	GOGNEW
Parent(s):	Immediate Parent(s)
	Ultimate Parent(s)
Location:	United States California
Primary Industry:	Internet Search Engines

- It is possible that Factiva does not have NAICS/SIC/NACE code of the industry like the example below. In this case just copy-paste “Wireless Area Network Technology” into the column “factiva industry”.

The screenshot shows the Factiva search interface. A search for 'huawei' has been performed, and a 'Company Information' pop-up is displayed for Huawei Technologies Co. Ltd. The pop-up shows the following details:

- Code:** HUAWT
- Primary Industry:** Wireless Area Network Technology
- Web Address:** Company Website
- Trading As/Also Known As:** Huawei Technologies Co., Ltd., Huawei Technologies, Shenzhen Huawei Technologies, Shenzhenshi Huawei Jishu
- Address:** Huawei Industrial Base, Bantian, Longgang District, Shenzhen, Guangdong 518129, China
- Location Type:** Principal Subsidiary
- Global Ultimate:** Huawei Investment & Holdings Co. Ltd. Labor Union Committee
- Domestic Ultimate:** Huawei Investment & Holdings Co. Ltd. Labor Union Committee
- Immediate Parent:** Huawei Investment & Holding Co., Ltd.
- Family Tree:** This company has 210 family members

Below the pop-up, there is a table of related companies and a section for 'Keywords'.

Company	Count	Company	Count	Company	Count
Samsung Electronics Co Ltd	294	Press Releases	1,191	Mobile Communications D...	622
Vodafone Group Plc	200	Products/Services	795	Telecommunications Equi...	629
Verizon Communications I...	190	Partnerships/Collaborations	661	Wireless Telecommunicat...	629
Qualcomm Incorporated	183	Personal Technology	651	Computers/Consumer Ele...	568
Bharti Airtel Ltd.	150	Contracts/Orders	455	Cell/Mobile/Smart Phones	565
ZTE Corp	150	Non-Government Contract...	426	Cloud Computing	231
Federal Communications ...	144	Equities Asset Class News	341	Internet-of-Things Technol...	218
Google LLC	140			Online Service Providers	182
				United Kingdom	375
				Europe	348
				Guangdong	341
				Shenzhen	308
				Canada	290
				South Korea	241
				Australia	217

Keywords

global audience world-leading lip-synching international success various platform premium local

Industry Classification

Dow Jones Industry: Wireless Area Network Technology

Technologies, standards and protocols used in wireless area network environments.

SIC N/A

NAICS N/A

NACE N/A

Source: Factiva

Industry Averages and Ratios

Metric	Value
1yr Sales Growth	12.25%
Net Profit Margin	6.22%
P/E ratio	48.67
Current Ratio	1.68
Debt to Equity Ratio	14.65

Top Participants by Sales

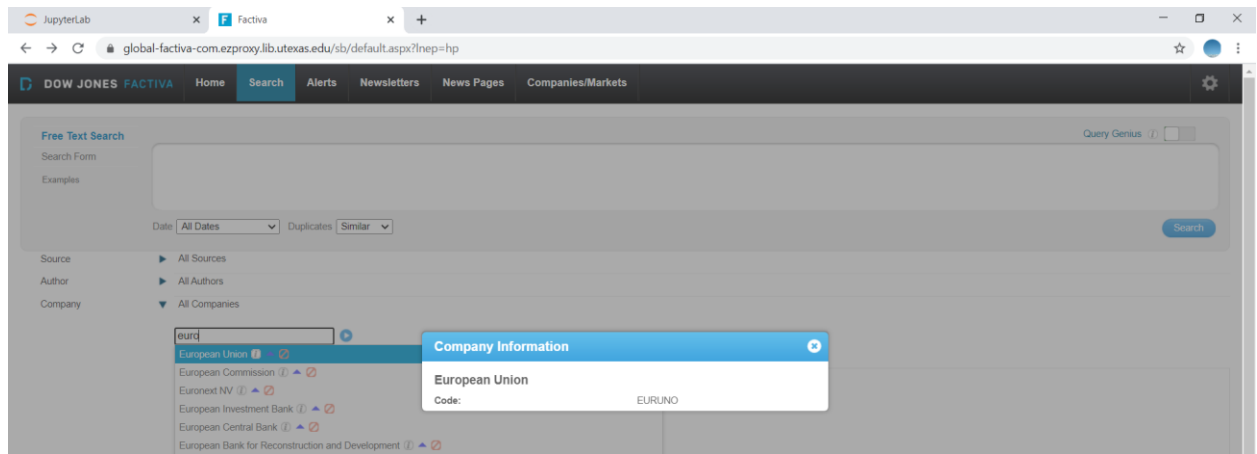
Company	Sales (USD m)
Total Number of Companies:	44
Arcadyan Technology Corp.	1,202.03
Alpha Networks, Inc.	1,145.26
Hytera Communications Corp. Ltd.	928.26
Runjan Co., Ltd.	639.95
Fibocom Wireless, Inc.	418.80
Tianjin 712 Communication & Broadcasting Co., Ltd.	411.96
AzureWave Technologies, Inc.	341.46
CalAmp Corp.	308.59
Huizhou Speed Wireless Technology Co., Ltd.	281.10
Digi International, Inc.	279.27

Peer Comparison

Source: FactSet Research Systems Inc.

Note: Based on publicly traded company data.

- It is possible that Factiva gives us both NAICS/SIC, NACE code. Then look into the address of the company, if it is in the US then NAICS/SIC is the most important information, if it is in other countries then NACE/SIC is the most important information (the example of Apple Inc. – code APPLC above). If you are not sure whether you should get NAICS/SIC/NACE code, then get all possible information available.
- If it is an organization instead of a company, then type 0 into the column “Company” (type 1 if it is a company). For example, European Union is an organization as we do not see information for “primary industry”



- It is possible that Factiva gives us multiple codes for NAICS/SIC/NACE, then take the most general code of each of them. For example, European Central Bank
Then copy paste:
 - “601” and “Central Reserve Depository Institutions” into column “SIC subsector” and “SIC subsector description”, then
 - “521” and “Monetary Authorities-Central Bank” into column “NAICS subsector” and “NAICS subsector description”, then
 - “65.11” and “Central banking” into column “NACE subsector” and “NACE subsector description”.

Keywords
technical perspective digital currency apex bank central bank brick corridor

Industry Classification
Dow Jones Industry: Central Banking
The management and performance of central banks. *Do not use on stories about central bank intervention or policy - these stories are considered economic subjects, not corporate/industrial news.

SIC	NAICS	NACE	Description
601	521	65.11	Central Reserve Depository Institutions
6011	5211	65.11	Federal Reserve Banks
6019	5211	65.11	Central Reserve Depository Institutions, NEC
521	5211	65.11	Monetary Authorities-Central Bank
5211	5211	65.11	Monetary Authorities-Central Bank
5211	5211	65.11	Monetary Authorities-Central Bank
5211	5211	65.11	Monetary Authorities-Central Bank
9261	9261	9261	Administration of Economic Programs
9261	9261	9261	Administration of General Economic Programs
9261	9261	9261	Administration of General Economic Programs
65.11	65.11	65.11	Central banking

Source: Factiva

Top Participants by Sales
Total Number of Companies: 8
USD m

Company	Sales (USD m)
Schweizerische Nationalbank	43,963.93
Fukuoka Financial Group, Inc.	2,607.26
Banque Nationale de Belgique SA	2,297.48
Bank of Greece SA	1,329.02
TOMONY Holdings, Inc.	610.07
Harleysville National Corporation	237.90
PCSB Financial Corp.	56.04
PT Bank Pembangunan Daerah Banten Tbk	43.97

Peer Comparison
Source: FactSet Research Systems Inc., Generate, Inc.
Note: Based on publicly traded company data.

Industry News
View More

- Pakistanis' money in Swiss banks dips By: 50%**
The Express Tribune, 26 June 2020, 926 words, (English)
Switzerland is apparently no longer a favourite offshore tax haven for Pakistanis to stash their wealth as the money kept By: the country's nationals in Swiss banks has fallen By: 50% to the lowest level of \$377 million in 2019, a new ...
- Business Live: Stocks rally; fuel prices at record high**
The Hindu Online, 26 June 2020, 1995 words, (English)

Step 7: column “fcodeincode”.

- use R/Python code to merge (file STEP4_Company_frequency.R or STEP4_Company_frequency.py)

⇒ Final product of this work is a file named “STEP4_Factiva_company_list_No<NUMBER 1>_<NUMBER 2>_sector_YOURNAME.xlsx”

For example: “STEP4_Factiva_company_list_No1_20_sector_Ha.xlsx”:

III. OBTAIN FREQUENCY

The steps below are to obtain the frequency that a company name is mentioned in a newspaper in a quarter in the period 01/01/1995-06/30/2020 in Factiva. Below is an example of how to get the frequency.

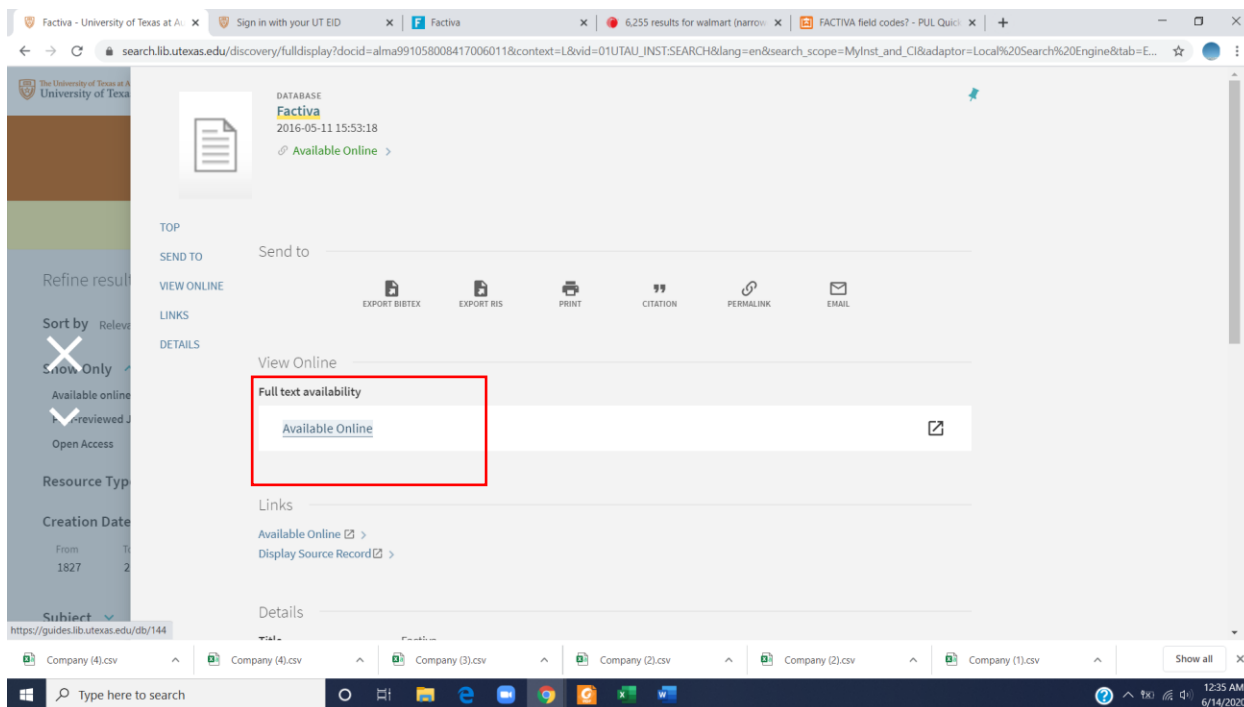
- Your file's name format is: STEP4_Company_frequency_No<NUMBER 1>_<NUMBER 2>_YOURNAME.xlsx
For example: STEP4_Company_frequency_No1_20_Ha.xlsx
- You can use file “STEP4_Company_frequency_template.xlsx” as a template.
- Please put all companies in 1 sheet. Please don't create each sheet for each company.

NOTE:

- We only need to obtain quarterly frequency for “company”, no need to do for “organization” (organization examples: European Union...).
- In file “STEP4_Factiva_company_list.xlsx”: all observations with _merge1 ==3 are companies, so we will focus on doing them first.

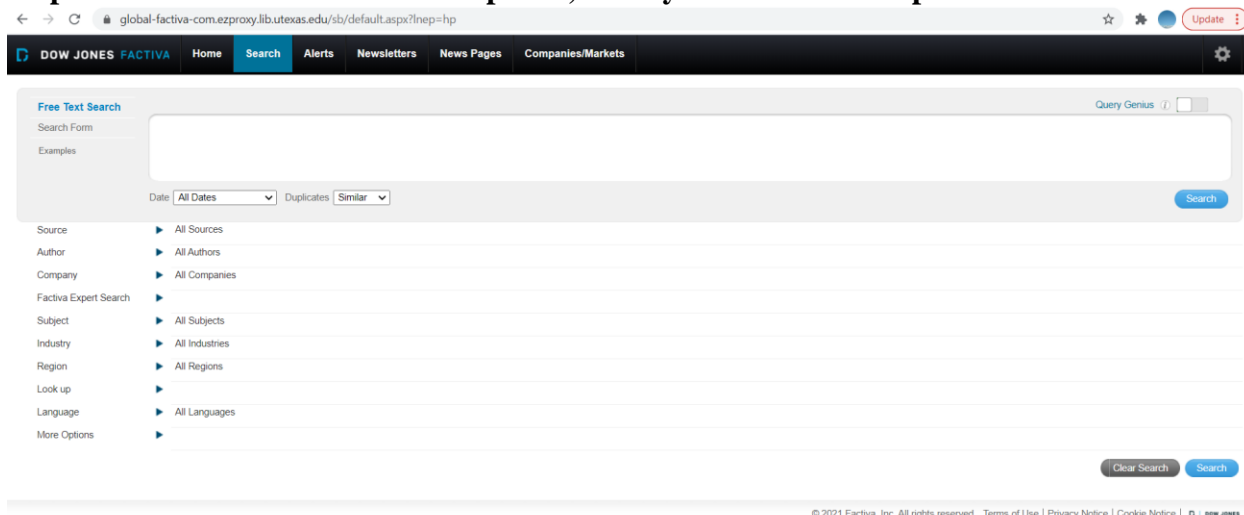
Step 1: Access UT library website and search for Factiva

The screenshot shows the University of Texas Libraries website. The search bar at the top contains the word "factiva". Below the search bar, there is a notification banner stating "Libraries services have moved online and physical locations are closed." The search results page displays a list of items, including a database entry for "Factiva" and two newspaper entries: "Jornal do comércio" and "La estrella de Panamá". The left sidebar shows filters for "Refine results", "Sort by", "Show Only", "Resource Type", "Creation Date", and "Subject". The bottom of the page shows a Windows taskbar with various application icons and the system clock indicating 12:28 AM on 6/14/2020.



Click on “Available Online” to access Factiva.

Step 2: A new window/tab will be opened, enter your UT EID and password to access Factiva



Step 3: Perform the search with following steps:

1. Set Date: 01/01/1995 to 06/30/2020
2. Search syntax: `{rst=...OR rst=... OR rst=...} AND fds=...`
 where “rst” means “source code” of the newspaper, “fds” is Factiva company code.
 You can find all search syntaxes in file “progress.xlsx” or file “STEP4_Company_frequency.xlsx”

	A	B	C	D	E
1	Newspaper_code	Newspaper_name	search command		
2	US	sfusat	USA Today (All sources)	rst=sfusat and fds=...	
3	US	sfwsj	The Wall Street Journal (All Sources)	rst=sfwsj and fds=...	
4	US	sfnyt	The New York Times (All Sources)	rst=sfnyt and fds=...	
5	CA	sfglob	The Globe and Mail (All sources)	rst=sfglob and fds=...	
6	GB	stftft	Financial Times (All sources)	(rst=ftft or rst=ftcom) and fds=...	
7	DE	sfsddzp	Suddeutsche Zeitung (All sources)	(rst=sddz or rst=sudzeit or rst=sz) and fds=...	
8	IT	sfcordesp	Corriere della Sera (All sources)	(rst=cordes or rst=coronl or rst=corsep) and fds=...	
9	ES	sfelpais	El Pais (All sources)	(rst=paisa or rst=paisbi or rst=paise or rst=paisma or rst=paisn or rst=psalud or rst=paisse or rst=paisva or rst=ep or rst=elpais) and fds=...	
10	FR	sffigarop	Le Figaro (All sources)	(rst=lf or rst=figaro or rst=figbour or rst=figetu or rst=figmag or rst=figpre) and fds=...	
11	JP	sfmaip	Mainichi Shimbun (All sources)	(rst=mainhq or rst=mainlo or rst=maimep or rst=maicnr or rst=maioti) and fds=...	
12	JP	sfsankeip	Sankei Shimbun (All sources)	(rst=snkosa or rst=snkeis or rst=snkspo) and fds=...	
13					

3. Duplicates: Identical

4. Language: All languages

➔ Get the frequency and enter that number into ‘frequency’ column in excel file.

Note:

- The bracket (.....) is extremely important when working on a newspaper which consists of multiple source codes. If we forget it, we will get wrong number for frequency.
- Setting Language to be “All languages” are extremely important for newspapers written in languages other than English.
- Setting Duplicates to be ‘Identical’ is extremely important to eliminate duplicates in frequency.
- Frequency = Number of headlines – total duplicates (until the last page). When will we see frequency = 0?
- If we see the result of the search are multiple pages, we have to go to the last page to get the correct number for frequency.

Step 4: column “small_company”: it is a flag

- If the name is a COMPANY and it is NOT SMALL: put 0 into this column.
- If the name is a COMPANY and it is SMALL: put 1 into this column.
- If the name is NOT a COMPANY (but an organization) and it is NOT SMALL: put 2 into this column.
- If the name is NOT a COMPANY (but an organization) and it is SMALL: put 3 into this column.

Small company definition: have frequency = 0 for the whole period of 01/01/1995-06/30/2020.

This flag can be different for same company in different newspapers. For example, a company could have 0 frequency in sfmaip (small_company is 1), but has positive frequency in sfwsj (small_company is 0)

EXAMPLE 1: to search for the frequency that Apple Inc. is mentioned in *USA Today (All sources)*, i.e., newspaper_code = sfusat, we set the search as follows:

- Enter Date range: 01/01/1995 – 06/30/2020
- Search syntax: **rst=sfusat and fds=apple**
- Set languages: all languages
- Set Duplicates: Identical

then click “Search”.

global-factiva-com.ezproxy.lib.utexas.edu/sb/default.aspx?lnep=hp

DOW JONES Factiva Home Search Alerts Newsletters News Pages Companies/Markets

Free Text Search Query Genius

Search Form

Examples

Search

Date: Enter date range... 1 / 1 / 1995 to 6 / 30 / 2020 Duplicates Identical

Source All Sources

Author All Authors

Company All Companies

Factiva Expert Search

Subject All Subjects

Industry All Industries

Region All Regions

Look up

Language All Languages

More Options

Clear Search Search

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We get the result as follows:

global-factiva-com.ezproxy.lib.utexas.edu/ha/default.aspx#/i?&_suid=162377756870011208982586875971

DOW JONES Factiva Home Search Alerts Newsletters News Pages Companies/Markets

Search TEXT: rst=sfusat and fds=apple DATE: 01/01/1995 to 06/30/2020 SOURCE: All Sources MORE

Modify Search

Dow Jones (0) All Publications (3,424) Web News (0) Blogs (0) Pictures (0)

Sort by: Most recent first Duplicates: Identical

Display Options

▼ Date

Export

Headlines 1 - 100 of 3,424 Next 100 Total duplicates: 5

1. The Apple Watch Series 3 is back down to its lowest price of all time—while it lasts

USA Today Online, 30 June 2020, 466 words, Melissa Lee, Melissa Lee, (English)

— Recommendations are independently chosen by Reviewed's editors. Purchases you make through our links may earn us a commission. In the realm of smartwatches, two things are certain: they're incredibly handy, and they're expensive. The Apple...

2. Apple's iOS 14 boasts smart home features

USA Today, 26 June 2020, 714 words, Marc Saltzman, Marc Saltzman, (English)

Much of the attention this week after Apple's 2020 Worldwide Developers Conference focused on new iPhone features – from customizable widgets to picture-in-picture video to turning your iPhone into a digital car key. But iOS 14 also will ...

3. Apple re-closes more stores due to spikes in coronavirus cases. Is your store temporarily closed?

USA Today Online, 25 June 2020, 677 words, Kelly Tyko, Kelly Tyko, (English)

Spikes in cases of the coronavirus has led Apple to temporarily close 32 stores in five states. Days after closing 11 stores in Arizona, Florida, North Carolina and South Carolina, Apple confirmed to USA TODAY that it has also closed seven ...

4. Senate Republicans target encryption with bill aimed at Apple, Facebook, other tech giants

USA Today Online, 24 June 2020, 439 words, Nathan Borney, Nathan Borney, (English)

Several Senate Republicans are seeking to force tech companies to help government investigators break encryption to access material that could aid in probes of terrorists, child predators, drug traffickers and other criminals.

5. Apple's 'huge leap forward' set to leave Intel behind

USA Today, 24 June 2020, 639 words, Rob Pegoraro, Rob Pegoraro, (English)

Intel will not be inside the Mac, and Apple says its planned extraction of that firm's processors in favor of its own chips should be a painless procedure for Mac users.

▼ Companies

Export

Apple Inc. 3,421

Alphabet Inc. 230

Samsung Electronics Co Ltd 150

Amazon.com, Inc. 136

Microsoft Corporation 127

Google LLC 98

AT&T Inc. 74

Samsung C&T 59

Federal Bureau of Invest... 47

Facebook, Inc. 41

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Then we can copy paste the page to text file and have the code run to count the frequency. The differences compared to sector frequency are:

- (1) The information the code needs to search for is company (fds), not sector (in).
- (2) Each RA will be in charge of several companies in the file 'STEP4_Factiva_company_list.xlsx'. It means that the list of companies is not the same for different RAs (not like sector frequency: we have same list of sectors for everyone, and it is only 139 sectors).
- (3) We need to find newspaper_code in text file and match it in excel file this time. For example, the code needs to be able to identify "rst=sfusat" → match to "sfusat" of that company, or identify "(rst=lf or rst=figaro or rst=figbour or rst=figetu or rst=figmag or rst=figpre)" → match to "sffigarp" of that company. The Python code written by Alex will accommodate this part.

EXAMPLE 2: to search for the frequency that Apple Inc. is mentioned in Suddeutsche Zeitung (All sources) (language: German/English), we set the search as follows:

- Enter Date range: 01/01/1995 – 06/30/2020
- Search syntax: **(rst=sddz or rst=sudzeit or rst=sz) and fds=apple**
- Set languages: all languages
- Set Duplicates: Identical

then click "Search".

DOW JONES FACTIVA Home Search Alerts Newsletters News Pages Companies/Markets

Search TEXT: `rst=sddz and rst=sudzeit and rst=sz and fds=applc` DATE: 01/01/1995 to 06/30/2020 SOURCE: All Sources MORE

Free Text Search
Search Form
Examples

Date: Enter date range: 1 / 1 / 1995 to 6 / 30 / 2020 Duplicates: Identical Search

Source: All Sources
Author: All Authors
Company: All Companies
Factiva Expert Search
Subject: All Subjects
Industry: All Industries
Region: All Regions
Look up
Language: All Languages
More Options

Start New Search Search

DOW JONES FACTIVA Home Search Alerts Newsletters News Pages Companies/Markets

Search TEXT: `rst=sddz or rst=sudzeit or rs...` DATE: 01/01/1995 to 06/30/2020 SOURCE: All Sources MORE

Dow Jones (0) All Publications (2,951) Web News (0) Blogs (0) Pictures (0)

Sort by: Most recent first Duplicates: Identical Display Options

Headlines 1 - 100 of 2,952 Next 100 Total duplicates: 0

- Apples neue Toleranz; Zum ersten Mal erlaubt es der iPhone-Hersteller seinen Kunden, Browser und Mail-App selbst auszuwählen**
Süddeutsche Zeitung, 24 June 2020, 721 words; Marius Gierlinger, MARIUS GIERLINGER, (German)
München - Es ist eine kleine Änderung, die auf Apples Keynote-Veranstaltung kaum Erwähnung fand, und dennoch hat sie Signalwirkung: Das iPhone-Betriebssystem iOS14 und sein iPad-Pendant sollen Nutzern erstmalig erlauben, sowohl den ...
- Das System, mein Langzeitbegleiter; Apple verabschiedet sein MacOS X - der Nachfolger heißt Big Sur**
Süddeutsche Zeitung, 24 June 2020, 411 words; Bernd Graff, BERND GRAFF, (German)
Entwicklerkonferenzen sind Zusammenkünfte von Fachleuten der Computerindustrie, die erfahren wollen, wie sie demnächst Rechner steuern sollen. Es sind gewissermaßen die Staubsaugerverteilerkongresse von Nerds. Allerdings verschieben sich ...
- Lippenstift? Absurd! Im japanischen Corona-Alttag darbt die Apple Watch**
Süddeutsche Zeitung, 29 May 2020, 427 words; Sayaka Morita, SAYAKA MORITA, (German)
Ich saß an dem kleinen Beistelltisch, den ich auf meinen engen Balkon gepuscht hatte, und schrieb, als der PC in der Wohnung mir den Eingang einer Mail verkündete. Ich öffnete sie und las, dass der Corona-Notstand in Tokio aufgehoben sei...
- Diese digitale Welt; Wer darf überwachen und wer lässt sich überwachen? Die Corona-Pandemie verändert Cyberspace und Gesellschaft. Das...**
Süddeutsche Zeitung, 9 May 2020, 1166 words; ANDRIAN KREYE, (German)
Der Cyberspace löst sich gerade auf, jener mythische digitale Weltenraum, dessen Grenzübergang die beiden bisherigen Torwächter mit regelrechten Ouvertüren inszenierten. Microsoft mit seinen Orchester- und Klaviervoll ...
- Eines für alle; „Hast du mal ein Ladekabel für mich?“ - wenn das mal so einfach wäre. Oft ist das passende ja nicht dabei. Über die Jahre...**
Süddeutsche Zeitung, 22 April 2020, 1132 words; JULIA HIPPERT, (German)
Würde man sie alle aus den Schubladen kramen, es wäre ein riesiger Berg an Elektroschrott. Ladegeräte und -kabel. Bei jedem neuen Handy sind sie dabei, pro Jahr kommen in der EU so 11 000 bis 13 000 Tonnen Elektroschrott zusammen. Der wird ...

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EXAMPLE 3: to search for the frequency that Blue Apron Holdings, Inc. is mentioned in Süddeutsche Zeitung (All sources) (language: German/English), we set the search as follows:

- Enter Date range: 01/01/1995 – 06/30/2020
- Search syntax: `(rst=sddz or rst=sudzeit or rst=sz) and fds=higxeh`
- Set languages: all languages
- Set Duplicates: Identical

then click “Search”.

global-factiva-com.ezproxy.lib.utexas.edu/ha/default.aspx?/778_suid=162377880531405174646758425632

DOW JONES FACTIVA Home Search Alerts Newsletters News Pages Companies/Markets

Search TEXT: `(rst=sddz or rst=sudzeit or rst=sz) and` DATE: 01/01/1995 to 06/30/2020 SOURCE: All Sources MORE

Free Text Search
Search Form
Examples

Date: Enter date range: 1 / 1 / 1995 to 6 / 30 / 2020 Duplicates: Identical Search

Source: All Sources
Author: All Authors
Company: All Companies
Factiva Expert Search
Subject: All Subjects

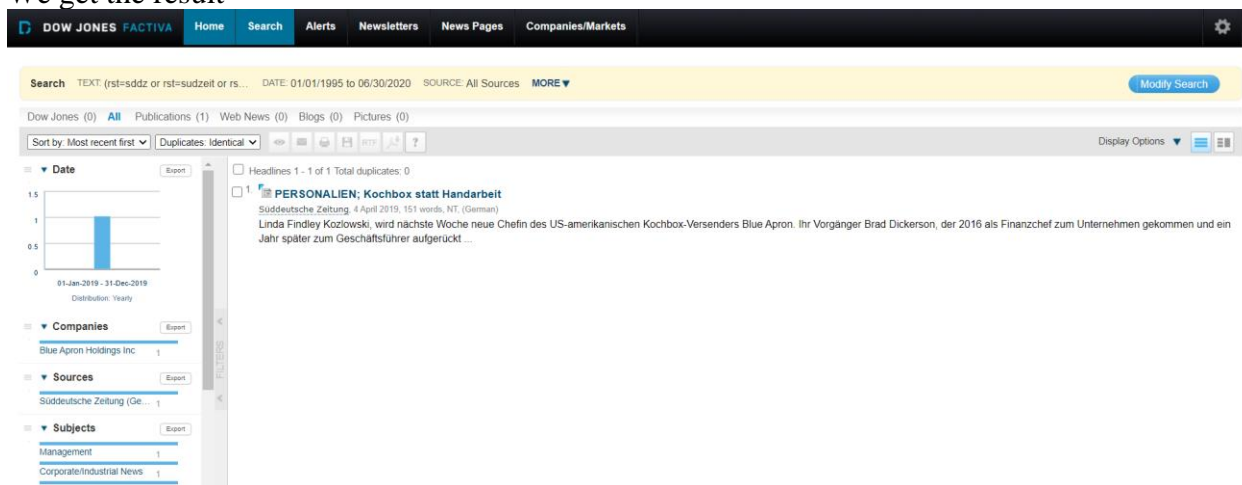
Company Information

Blue Apron Holdings, Inc.

Code: HIGXEH
Primary Industry: Meal Kit/Food Box Retailing
Web Address: Company Website
Year Started: 2012
Address: 28 Liberty Street
New York, New York 10005
United States
Location Type: Principal Subsidiary
Family Tree: This company has 7 family members

Company Lists
You have no company lists available

We get the result



- ⇒ Final product of this work is a file named “STEP4_Company_frequency_No<NUMBER 1>_<NUMBER 2>_YOURNAME.xlsx”
For example: **STEP4_Company_frequency_No1_20_Ha.xlsx**

IV. UPLOAD RESULTS AND WEEKLY REPORT

- Every Sunday, you will upload your files to Box. There are 2 files you created, and they should be uploaded to two folders 1 and 2 below:

1. Folder “STEP4_Company_frequency”: upload File “STEP4_Company_frequency_No<NUMBER 1>_<NUMBER 2>_YOURNAME.xlsx”

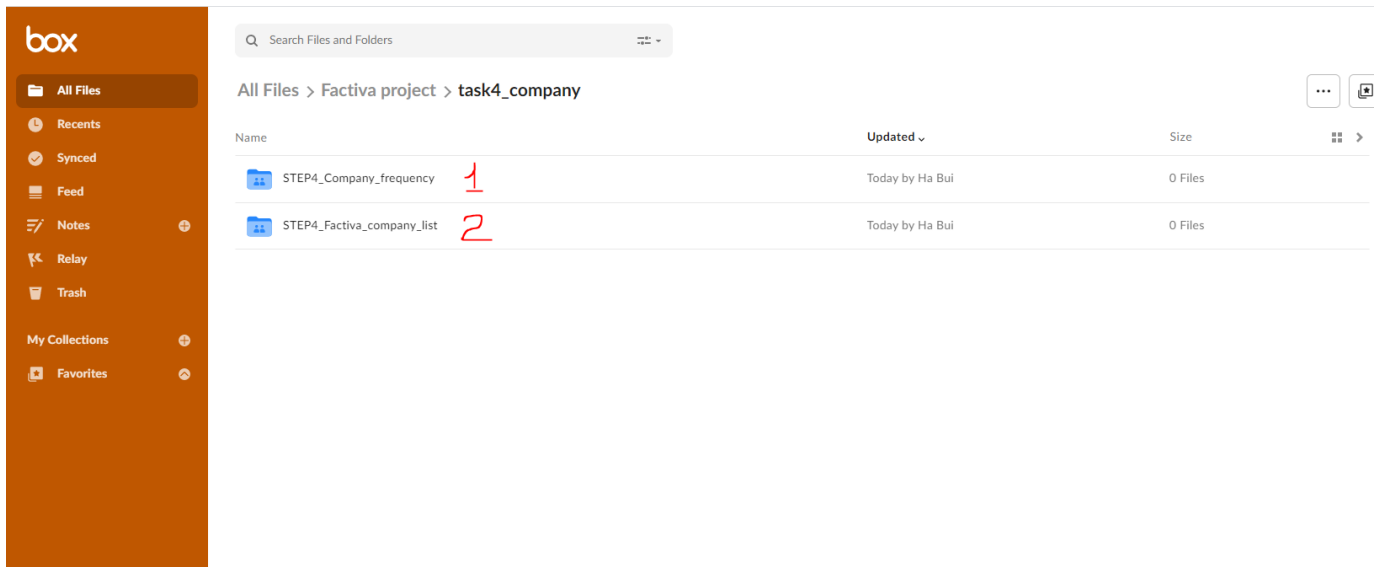
For example: **STEP4_Company_frequency_No1_20_Ha.xlsx**

2. Folder “STEP4_Factiva_company_list”: upload File “STEP4_Factiva_company_list_No<NUMBER 1>_<NUMBER 2>_sector_YOURNAME.xlsx”

For example: “**STEP4_Factiva_company_list_No1_20_sector_Ha.xlsx**”:

- Together with uploading file to Box, please send me a quick email to factivaproject@gmail.com letting me know:
 - How many companies you finish in file “STEP4_Factiva_company_list.....”
 - How many companies you finish in file “STEP4_Company_frequency.....”. If you are in the middle of a company, please let me know as well.

For example: This week I got information for 20 companies in file “STEP4_Factiva_company_list.....” and finished 10 companies in 11 newspapers (Company ID 101-110). I finished sfusat, sfwsj, sfnyt for company ID 111.



V. DUPLICATES FACTIVA_COMPANY_NAME1

Please notice that there are 280 companies that have duplicates (they are the first 280 observations in file “STEP4_Factiva_company_list.xlsx”). They can be true duplicates or just 2 companies having the same names but different factiva_company_code. For example: there are actually two **acma ltd** companies in 2 different countries with different factiva_company code

	factiva_company_name1	factiva_company_code	company_country
1	aalberts nv		
2	aalberts nv	ALBTS	Netherlands
3	aberdeen greater china fund inc		
4	aberdeen greater china fund inc	GRCHIN	USA
5	acma ltd	ACMAEI	Singapore
6	acma ltd	ACMGOL	UK
7	adt inc	ADTSSI	USA
8	adt inc		
9	advanta corp		
10	advanta corp	TSOF	USA
11	allied healthcare products inc		
12	allied healthcare products inc	ALHLTH	USA
13	ambu as		
14	ambu as	AMBUOK	Denmark
15	american medical security group inc		
16	american medical security group inc	OWISC	USA
17	american physicians service group inc		
18	american physicians service group inc	APSC	USA
19	asat holdings ltd		
20	asat holdings ltd	ASATIN	Hong Kong
21	asia holdings co ltd		
22	asia holdings co ltd	ASCEM	South Korea
23	asia pacific fund inc	AFACFI	USA
24	asia pacific fund inc		
25	assecos poland sa		
26	assecos poland sa	SFTK	Poland
27	atlantia spa		
28	atlantia spa	AUTSD	Italy
29	asure midstream partners lp		
30	asure midstream partners lp	MIMID2	USA
31	bank bph sa		
32	bank bph sa	BPRZH	Poland
33	bell alliant regional communications inc		

Solution:

- If it is the case like “**acma ltd**” then please go ahead and do two companies like two separate companies. Since they have different factiva_company_code, the search syntax will not confuse those two companies.
- If it is actually duplicate: you only need to do for 1 observation (i.e. (1) only fill in information for 1 company in file “STEP4_Factiva_company_list_No<NUMBER 1>_<NUMBER

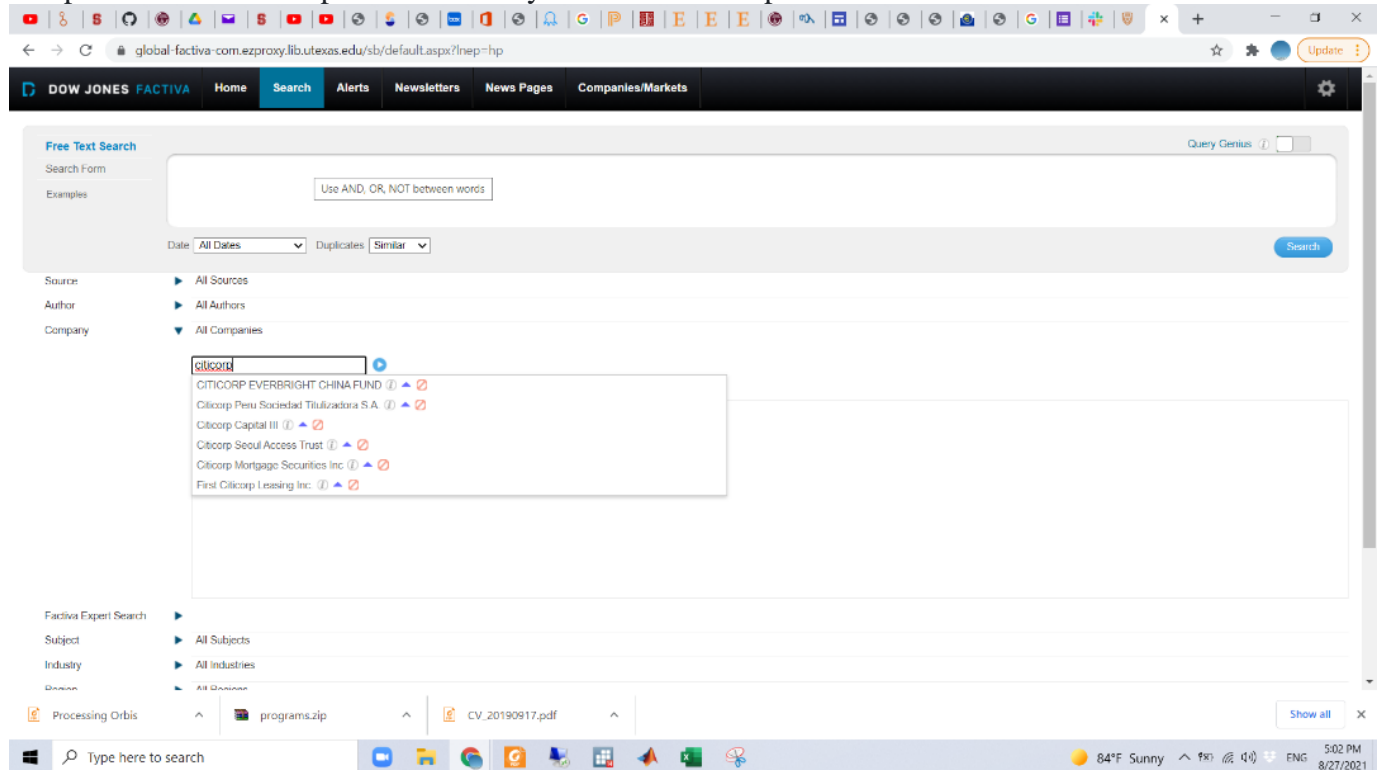
2>_sector_YOURNAME.xlsx”, (2) only search for frequency of that one company in file “STEP4_Company_frequency_No<NUMBER 1>_<NUMBER 2>_YOURNAME.xlsx”. I will read from your file “STEP4_Factiva_company_list_No<NUMBER 1>_<NUMBER 2>_sector_YOURNAME.xlsx” to know that they are true duplicate.

If you work on a company outside those 280 companies and find that there are 2 or more companies with the same name in Factiva (but they are actually different, i.e., have different factiva_company_code), please do the following things:

- (1) add that new company to your file “STEP4_Factiva_company_list_No<NUMBER 1>_<NUMBER 2>_sector_YOURNAME.xlsx”, obtain information like normal,
- (2) search for frequency of both companies like normal and put into file “STEP4_Company_frequency_No<NUMBER 1>_<NUMBER 2>_YOURNAME.xlsx”,
- (3) please let me know in your weekly progress email that you found a new company.

VI. SPECIAL CASE OF COMPANY NAME

It is the case when you work on 1 company name, but actually find multiple company names in Factiva. For example, we have a firm named "Citicorp" in file Factiva_company_list. However, there are several companies with "Citicorp" in Factiva as you can see in the photo below.



What you will do are:

Step 1: check the big file STEP4_Factiva_company_list.xlsx" if those companies exit in the list.

For example, in this case, we only see 2 companies in the list that have "citicorp" in their names. The reason is because the list you are using is data we collected in previous step using our method, it is not an exhaustive list of companies provided by Factiva. Our target is to get all companies, but it seems our method in previous step could not capture all companies in Factiva. So it is great that you are doing Task 4 and we could capture those companies now.

The screenshot shows an Excel spreadsheet with a list of companies. A 'Find and Replace' dialog box is open, with 'Find what' set to 'citicorp'. The spreadsheet has columns A through W, with rows 984 to 1016 visible. The 'Find and Replace' dialog box also shows a preview of the search results in a table format.

Book	Sheet	Name	Cell	Value	Formula
STEP4_Factiva_company_list.xlsx	Sheet1		\$D\$1015	citicorp	
STEP4_Factiva_company_list.xlsx	Sheet1		\$D\$5848	citicorp	springeour vickers ltd

Step 2: Now you have identified that there are companies in Factiva but not in the list, please do as follows:

- For your file "Factiva company list (your file with 50 companies)": add new rows for other citicorp companies, add information like normal. In order to not mess up the ID, please put 1 company name in the place of that citicorp and add the others at the end. For those added company names at the end, please don't add ID, I will handle ID for those companies later.

- For your file "Company frequency": please collect frequency for all those citicorp you can find.

Step 3: In your weekly progress email, please notify me of these cases and if you observe any interesting information about these firms, please let me know as well (for example, those companies mostly went inactive).

VII. MISSING FCODEINCODE AND COMPANY INFORMATION

- Chris has notified me two issues: (1) missing fcodeincode information after doing the merge (in python/R) to get file "STEP4_Factiva_company_list_No...._sector....xlsx", and (2) missing company information in file "STEP4_Factiva_company_list_No...._sector....xlsx".

I have recorded a video to provide solutions for these two issues. The recording is accessible via this link https://utexas.zoom.us/rec/share/x0jPKmzLNc4skN8yXkB02szLB3uekCWK4_E47u_miC8RoC4nIPXiv_WF2E914Ohb.VrZawwmfrhlandPT. I also put the recording into Box, folder 'Factiva guide'.

- Continuing my previous email on missing company information. Chris proposed some suggestions on missing information for column "location_type", "global_ultimate", "domestic_ultimate", "immediate_parent" and I think that they are great suggestion so I would like to share with you all.

Based on Chris's observation, there are four distinct cases to deal with:

- 1) The company has been acquired and still exists as a subsidiary of another company (Dangote Flour and Express Scripts) -- Express Scripts is the one I talked about in the recording.
- 2) The company has gone bankrupt and no longer exists (Takefuji Corp)
- 3) The company has merged on equal terms with another company and changed its name but is not a subsidiary per se (Shell)
- 4) The company has been acquired and its operation incorporated into another company and no longer exists even as a subsidiary (United Bank of India)

For case (1): you can put:

- location_type: principal subsidiary
- "global_ultimate", "domestic_ultimate", "immediate_parent": please list its new parent company. For example, for Express Scripts, you can list "Cigna Corporation"

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Cigna Corp.

Corporate Family Family Tree provided by D&B

Cigna Corporation
Total Corporate Family Members: 520 Excluding Branches: 211
Cigna Holding Company (029053964)
900 Cottage Grove Rd
Bloomfield, CT 06002-2920
USA
[Map](#) | [Show Path](#) | [Get Company Snapshot](#)

☐ Scroll | ☐ Include Branch Locations | [Expand All](#) | [Collapse All](#)

- **Cigna Corporation** (081161936) Connecticut; Health/Medical Insurance
 - **Allegiance Benefit Plan Management** (181640975) Montana; Insurance Brokering
 - + **Cigna Apac Holdings Ltd** (815303954) Bermuda; Diversified Holding Companies
 - + **Cigna Holding Company** (029053964) Connecticut; Health/Medical Insurance
 - + **Cigna Insurance Middle East Sa** (557921648) Lebanon; Life Insurance
 - + **Evernorth Health Inc.** (117740145) Missouri; Professional Bodies
 - + **Express Scripts Holding Company** (078461979) Missouri; Pharmacies/Drug Stores
 - **Healthspring Of Florida Inc.** (024439159) Florida; Healthcare/Life Sciences
 - **Newquest Llc** (194204645) Texas; Health/Medical Insurance
 - **Temple Insurance Company Limited** (875643587) Bermuda; Diversified Holding Companies

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For cases 2, 3, 4: you can put:

- location_type: headquarters
- "global_ultimate", "domestic_ultimate", "immediate_parent": list the company as its own parent. For example, I would put "Takefuji Corp" for those 3 columns for Takefuji Corp.