

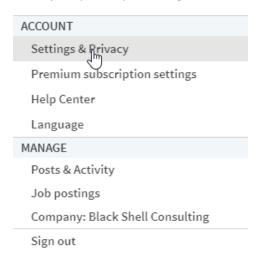
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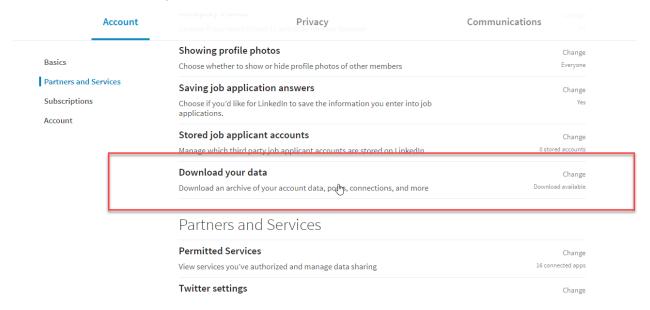
#### Get the Data.

Download your linked in data.

Go to your profile picture right click and choose settings and privacy



#### Scroll down to download your data



Choose what you want to download. I'd choose everything as we'll look at it in various future tutorials but at a minimum download connections for this tutorial.

Dow	nload your data		Close
wo(	ownload an archive of your account data, posts, connections, and more		Download available
		u, and you can download an archive any hat data you can export by <b>visiting our Help</b>	
	The works: All of the individual fi	les plus more. <b>Learn more</b>	
Ī	Pick and choose: Select the data	files you're most interested in. Learn more	
	Articles	Connections	
	Imported Contacts	Messages	
	Invitations	Profile	
	Recommendations	Registration	
	Rich Media		
	Download archive Regu	est new archive	

It takes around 24 hours to get the data so once you get here set a reminder to come back and finish it.

## Once you get the files extract them to somewhere you can access them.

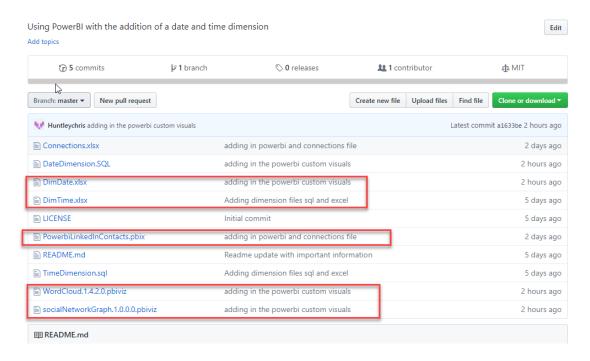
Articles	1/25/2018 9:58 AM	File folder	
Media Files	1/25/2018 9:58 AM	File folder	
🔊 Account Status History	1/25/2018 9:58 AM	Microsoft Excel C	1 KB
Ad Targeting	1/25/2018 9:58 AM	Microsoft Excel C	11 KB
Ads Clicked	1/25/2018 9:58 AM	Microsoft Excel C	5 KB
Causes You Care About	1/25/2018 9:58 AM	Microsoft Excel C	1 KB
Certifications	1/25/2018 9:58 AM	Microsoft Excel C	2 KB
Comments	1/25/2018 9:58 AM	Microsoft Excel C	996 KB
Connections	1/26/2018 7:54 AM	Microsoft Excel C	408 KB
Connections	1/26/2018 11:08 AM	Microsoft Excel W	1,056 KB
DimDate	1/25/2018 4:48 PM	Microsoft Excel W	108 KB
DimTime	1/25/2018 5:19 PM	Microsoft Excel W	4,193 KB
Education	1/25/2018 9:58 AM	Microsoft Excel C	1 KB
Email Addresses	1/25/2018 9:58 AM	Microsoft Excel C	1 KB
Endorsement Received Info	1/25/2018 9:58 AM	Microsoft Excel C	404 KB
Group Comments	1/25/2018 9:58 AM	Microsoft Excel C	56 KB
Group Likes	1/25/2018 9:58 AM	Microsoft Excel C	19 KB
Group Posts	1/25/2018 9:58 AM	Microsoft Excel C	10 KB
Imported Contacts	1/25/2018 9:58 AM	Microsoft Excel C	26 KB
Invitations	1/25/2018 9:58 AM	Microsoft Excel C	248 KB
Languages	1/25/2018 9:58 AM	Microsoft Excel C	1 KB
Likes	1/25/2018 9:58 AM	Microsoft Excel C	3,801 KB
Logins Logins	1/25/2018 9:58 AM	Microsoft Excel C	29 KB

### Get the working files

For the tutorial you'll need two additional files for dimensional pivoting. They're called DimDate and DimTime. You can create your own Date Dimension and Time Dimension but to make it easy I did it for you. The files are here on the github. You can download them, clone or fork the repository. It's all open for your using and licensed appropriately.

Repo: https://github.com/Huntleychris/LinkedInConnections

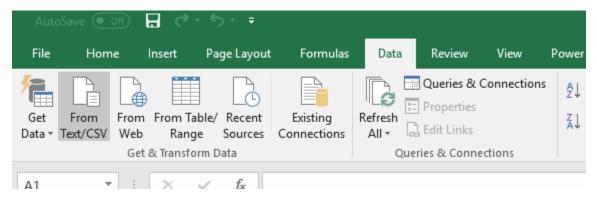
You need the ones shown in the red boxes.



#### **Transform the Data**

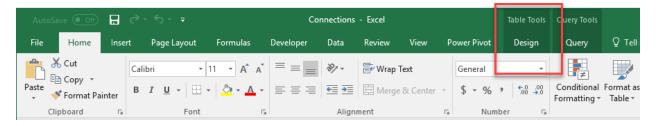
Let's open the connections file and make a couple of changes in order to get it connected properly with the dimensions.

The files come as .CSV (comma separated values) so import them into excel. Simply opening them has given me some trouble with a comma being added to the datetime but your mileage may vary.

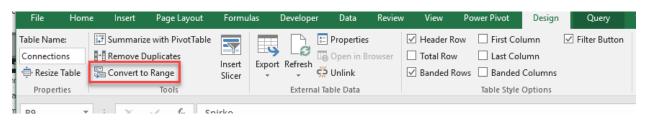


Before you begin remove the table formatting from this worksheet. It's not necessary and it's going to give you issues later.

Left click in the table area and it will activate the table tools. Click on design.

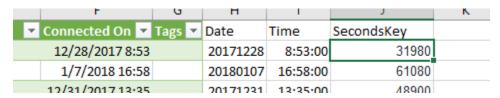


Click convert to range.

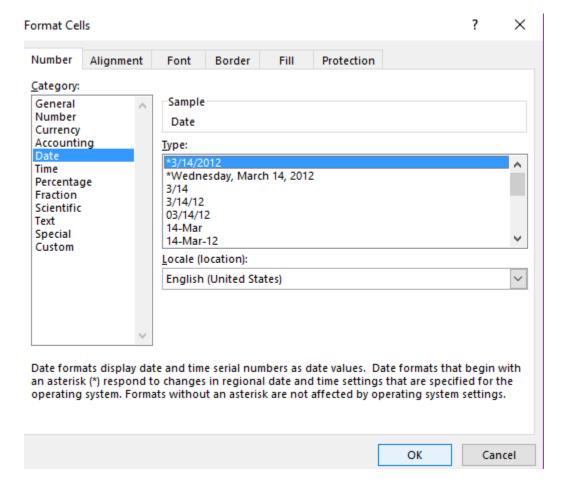


Now you can add columns without issues.

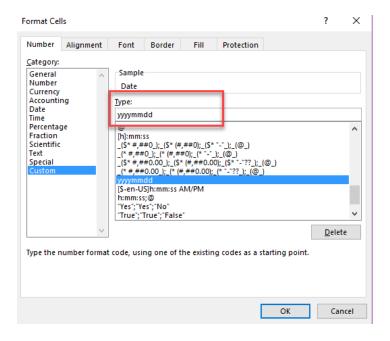
Next copy the Connected On Column twice and paste just the values ,do this in column H and I. Label one Date and One Time. Add a third label of SecondsKey in Column J (this matters for the formula later). The SecondsKey is the connection to the time dimension.



#### Format the Date column as date



#### Then format it as YYYYMMDD as shown

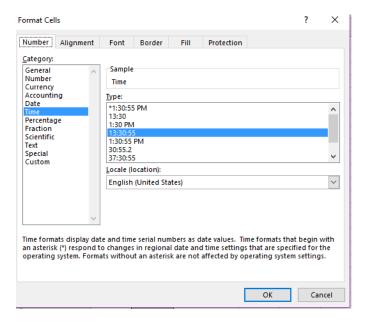


If you don't have the option yyyymmdd then just type it in the type box highlighted with the red square.

This has proven to be a headache for some people do the alternative is to use this formula =TEXT((H21,"YYYYMMDD")

That will get the date into a text column and the proper format for the joining.

#### Now format the time as shown:



The formula to get second of the date is:

=HOUR(I2)\*3600+MINUTE(I2)\*60+SECOND(I2)

Just fill the formula and you'll have the seconds.

Now copy the SecondsKey Column and Date Column and paste them as values only.

This will make it much easier when it's imported

Now save it and you're ready to get into PowerBI.

# **PowerBI**

If you don't have it get the desktop here: <u>PowerBI Desktop</u> (<u>https://powerbi.microsoft.com/enus/desktop/</u>) it's free for this purpose so no worries.

Grab the premade file I loaded to the git repository or create it yourself.

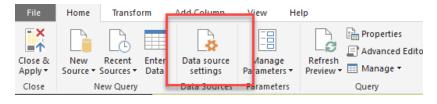
In the premade the relationships are already created and the dimensions are already existing.

If you want to update the files with the ones you pulled yourself all you have to do is:

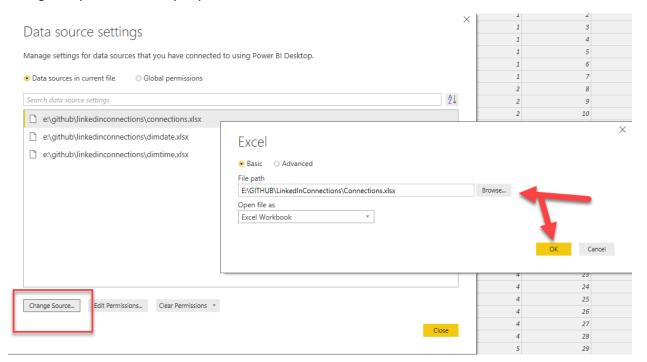
#### **Choose Edit Queries**



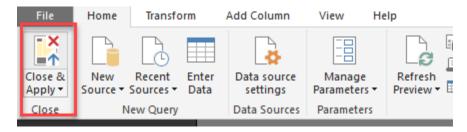
#### Change Data Source Settings.



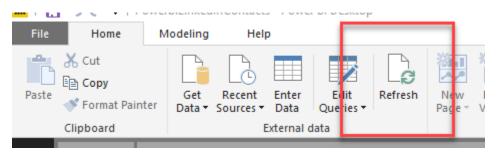
#### Change the paths to where you put the files



#### Close and apply



#### Refresh if it's not already up to date.



#### **Custom Visuals**

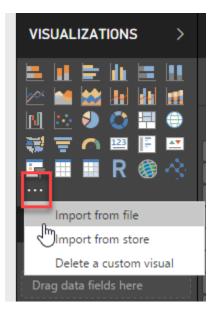
Now get custom visuals.

https://appsource.microsoft.com/en-us/marketplace/apps?product=power-bi-visuals&page=1

One I used was the word cloud:

I also pulled in the social graph but that's for another day. Regardless it's in the files.

Install them from files by clicking the ellipsis and import from file.



## **Extra Steps**

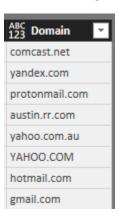
I wanted to go a little farther with the analysis so I'm going to extract the email domain to see who is using what domain in my contacts.

Reopen the connections excel spreadsheet and enter the following formula in a new column titled domain:

=RIGHT(C2,LEN(C2)-FIND("@",C2))

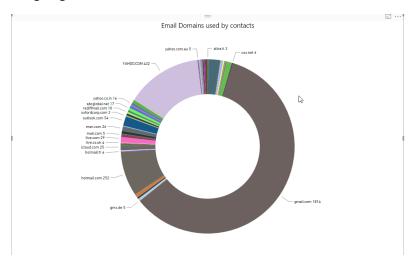
Reimport the data by clicking Edit Queries

Then Refreshing the data to make sure you have a domains column



#### Make a chart

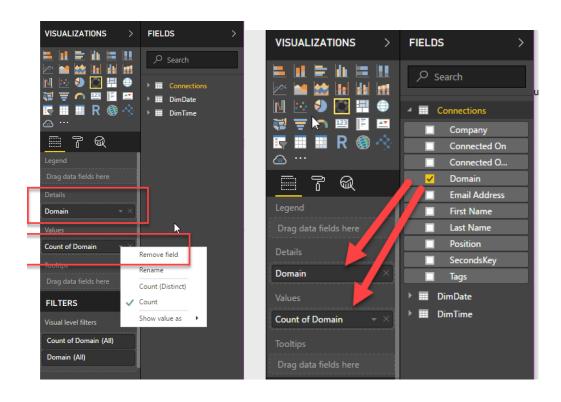




Drag the column Domain into the details section

Now click the donut chart above the legend text. It's got a yellow box around it below.

Last Drag the Column domain into the values section. Set it to be counted or use a percentage. Up to you.



See what you can do.

Here's what I came up with and my analysis says I really just started using LinkedIn appropriately and I probably need to get off at some point in the day.

### Example

