



---

# Team PearAcuity Star Visualization

---

Program Functionality Documentation



DECEMBER 9, 2015

TEAM PEAR  
CS3307

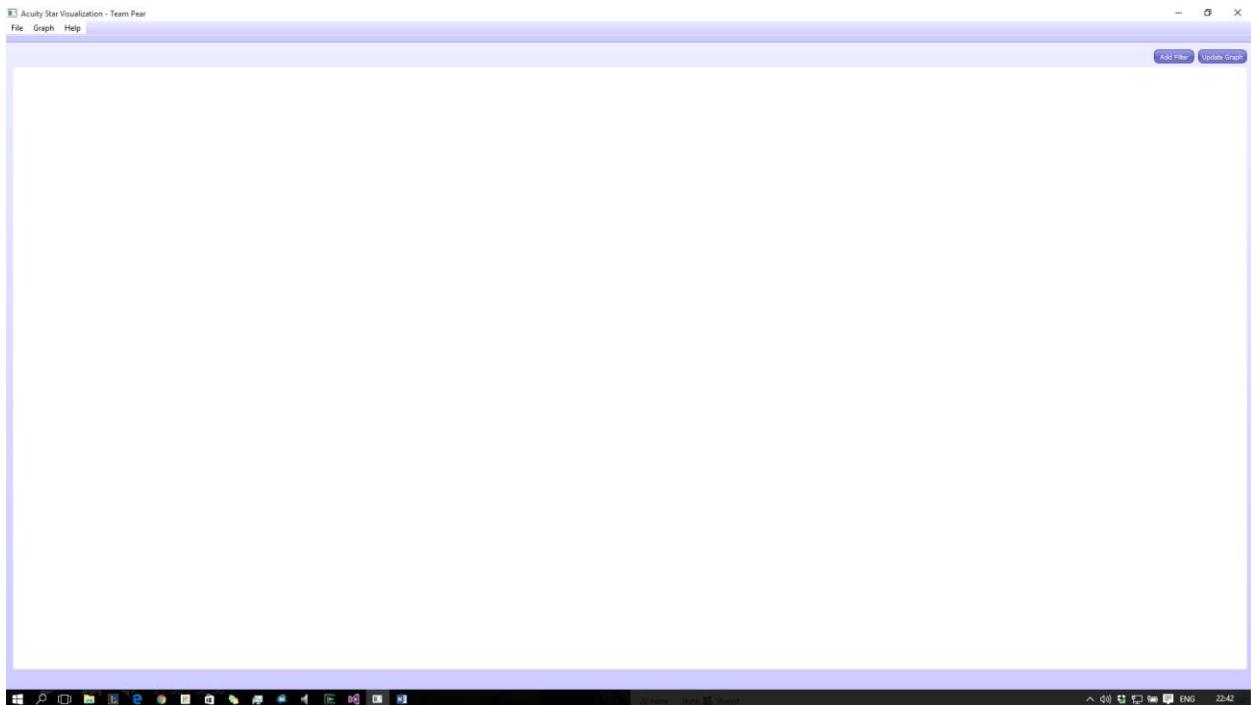
## Table of Contents

<b>DEMONSTRATION OF MINIMUM REQUIREMENTS.....</b>	<b>2</b>
Load excel sheets from all four subject areas:.....	2
Grants & Clinical Funding.....	4
Presentations .....	4
Teaching .....	5
Publications.....	5
Provide Data Analysis.....	6
Graphing.....	7
Ability to create a bar graph .....	7
Ability to create a pie chart.....	7
Ability to filter by date .....	8
<b>DEMONSTRATION OF PROGRAM OVERALL CAPABILITIES (STRETCH).....</b>	<b>9</b>
Additional Filters.....	9
Domain Filter: .....	9
Funding Filter: .....	9
Hours Filter:.....	10
Count Filter: .....	10
Update Graph based off selection in the list: .....	11
Help dialog: .....	12
Save Graph:.....	13
Printing.....	14
Print List: .....	14
Print List Preview: .....	15
Print Graph:.....	16
Print Graph Preview:.....	17
Hotkeys: .....	18

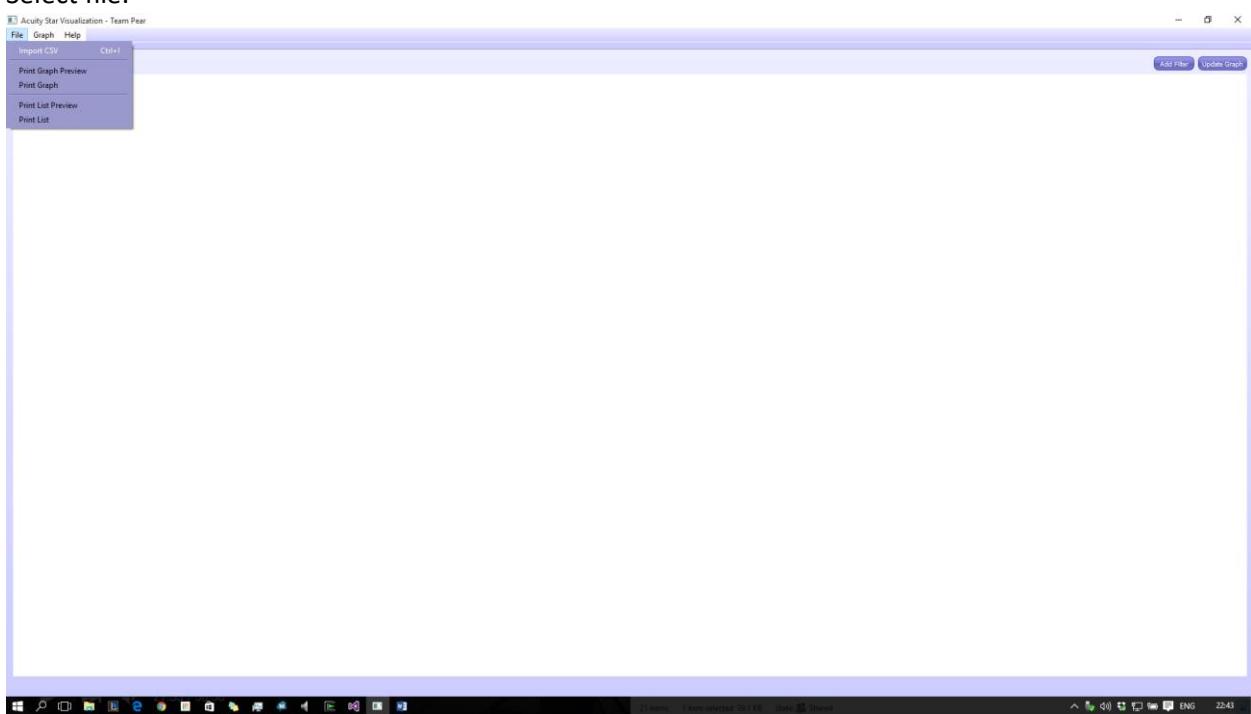
## DEMONSTRATION OF MINIMUM REQUIREMENTS

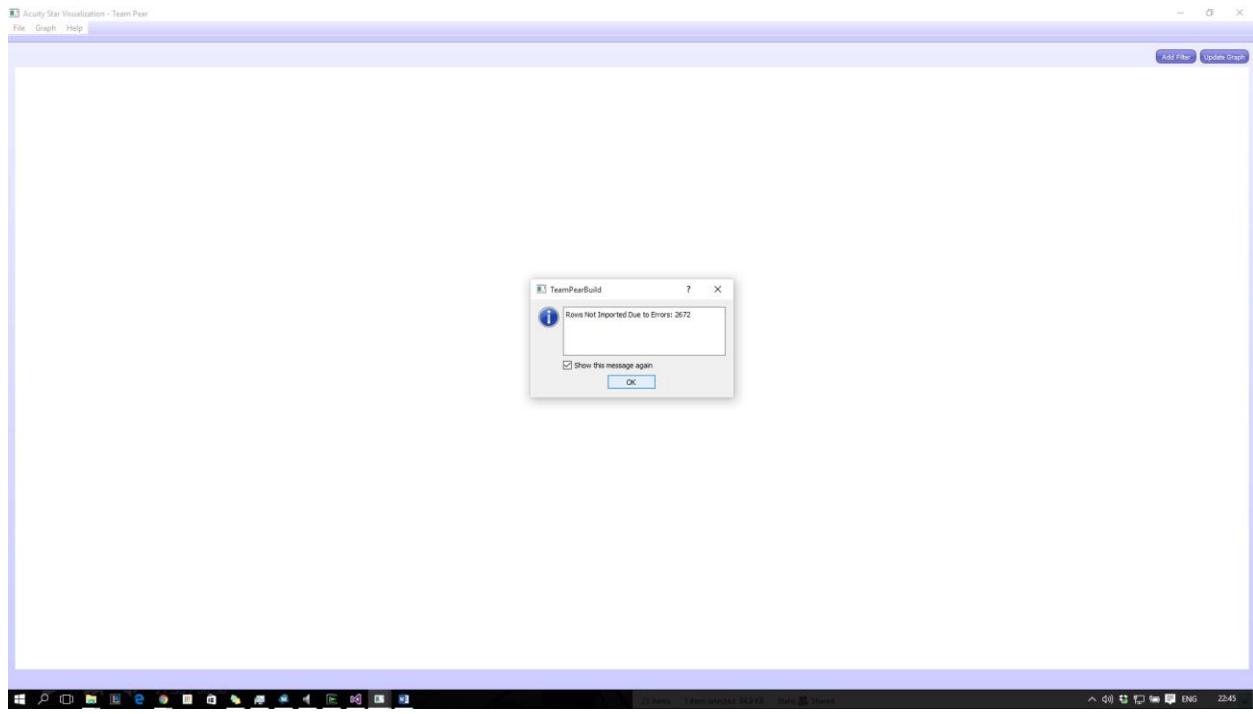
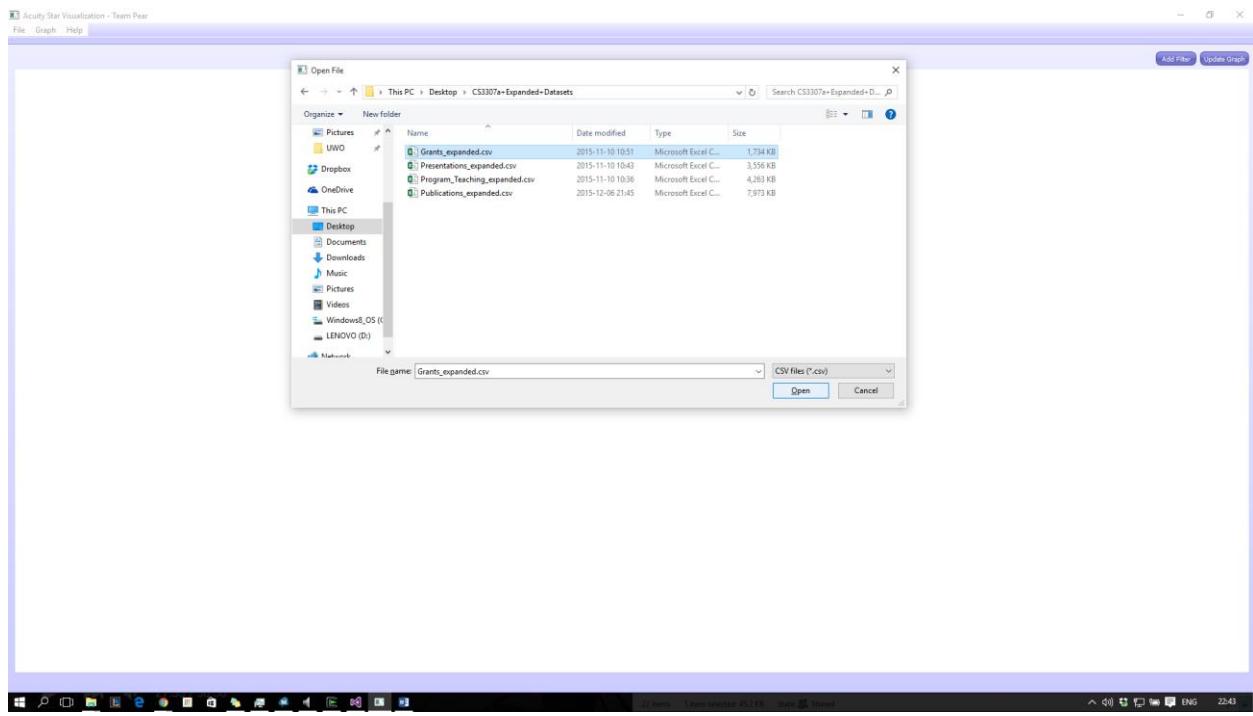
Load excel sheets from all four subject areas:

Initial Screen:

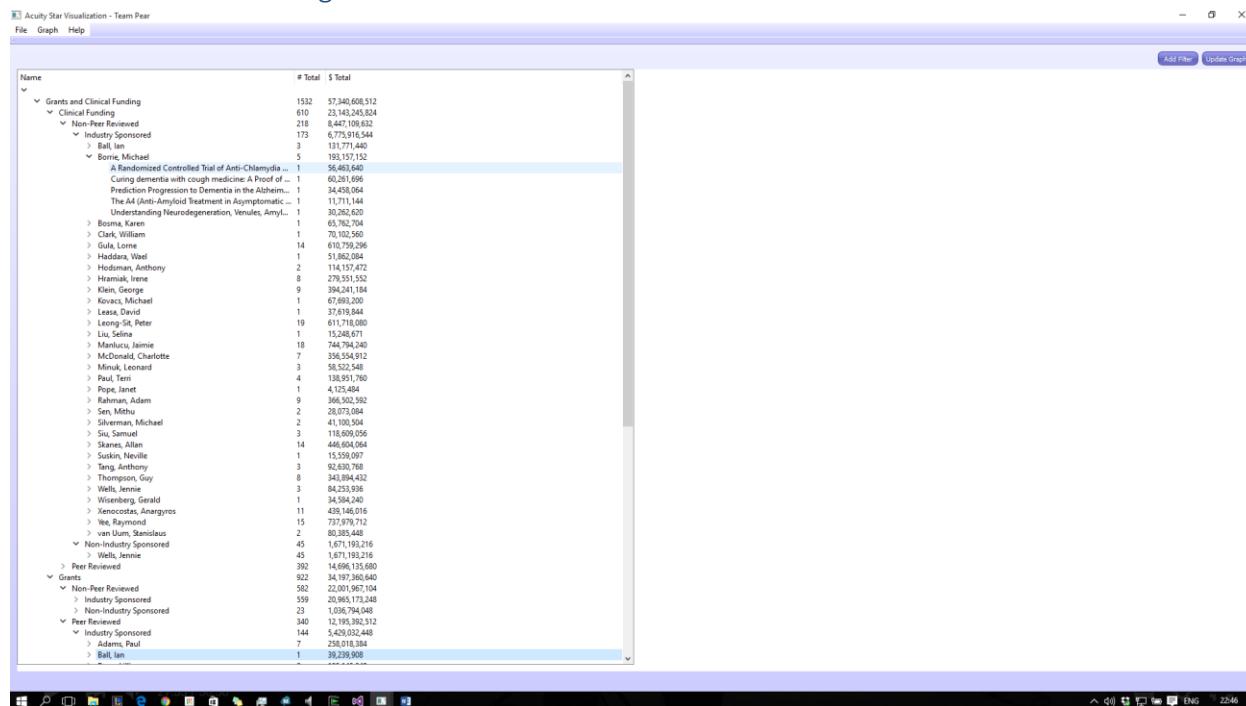


Select file:

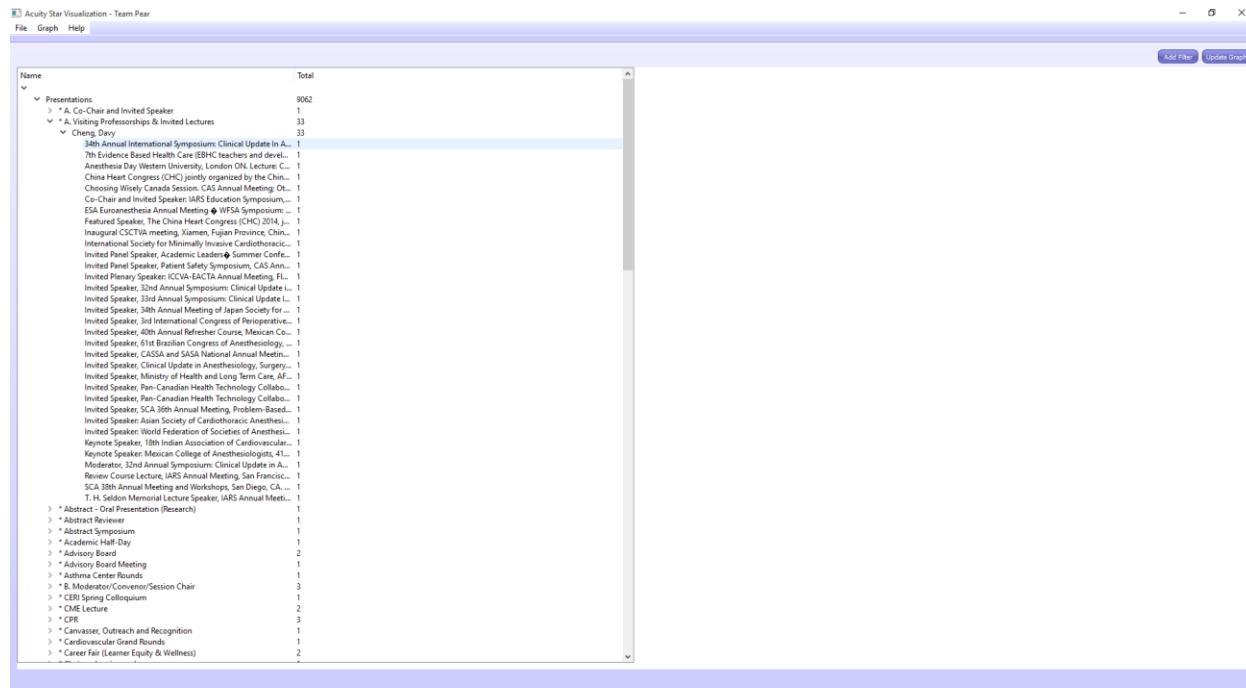




## Grants & Clinical Funding



# Presentations



## Teaching

Acuity Star Visualization - Team Pear		
File Graph Help		
Name	Total	
Publications	8194	
> 3&Q Meta-AnalysisReview	1	
> Clark, William	1	
> 3&QMulticenter Study	1	
> 3&QMulticenter StudyRandomized Controlled Trial	1	
> 3&QMulticenter StudyRandomized Controlled Trial	1	
> ATS Consensus Statement	1	
> Article Reviews	11	
> Biography, Editorials, Historical Article	1	
> Book Chapter / Review Article	1	
> Book Review	5	
> Canadian Clinical Practice Guidelines	1	
> Canadian Medical Association Journal Humanities Article	5	
> Case Report in Medical Newsletter	1	
> Case Studies	1	
> Clinical Practice Guidelines	8	
> Hegele, Robert	8	
> Can J Cardiol	1	
> Can J Cardiol	1	
> Can J Cardiol	1	
> Can J Cardiol	1	
> Can J Diabetes	1	
Eur Heart J	1	
Eur Heart J	1	
Lancet Diabetes Endocrinol	1	
> Clinical Practice Guidelines	1	
> Clinical Trial, Journal Article	13	
> Clinical Trial, Journal Article, Multicenter Study	1	
> Clinical Trial, Journal Article, Multicenter Study, Randomized Con...	5	
> Clinical Trial, Journal Article, Randomized Controlled Trial	11	
> Blake, Peter	1	
> Clark, William	4	
> Kortas, Claus	1	
> Kortas, Claus	1	
> Liu, Ming	1	
> Siu, Samuel	1	
> Tang, Anthony	3	
> van Uum, Stanislaus	1	
> > Clinical Trial, Randomized Controlled Trial	1	
> Cochrane Library	4	
> Commentaries, Editorials	12	
> Commentaries, Journal Article	5	
> Commentaries, Journal Article, Multicenter Study	1	
> Commentaries, Letter	18	
> Commentaries, News	2	
> Commentary	2	
> Commentary - Medical Education	1	
> Conference Proceedings	1	
> Conference Proceedings	4	
> Consensus Development Conference, Journal Article	4	
> Consensus Development Conference, Journal Article, Practice Gu...	3	
> Debate	1	

## Publications

Acuity Star Visualization - Team Pear		
File Graph Help		
Name	Count	Hours
Programs	4113	15,968
> Continuing Medical Education	659	1,196
> Continuing Medical Education / Admin	23	29
> Ball, Ian	3	3
> Bonsu, Karen	2	2
> Dreyer, Jonathan	2	4
> Elsayed, Sameer	1	3
> Gob, Alan	1	1
> McFadden, Robin	4	6
> Member, Test	1	5
> Morris, Deric	6	2
> Ouellette, David	2	2
> Regan, Kelly	1	1
> Graduate Education	1	1
> Member, Test	1	1
> Other	83	280
> Athenayyan, Eyd	1	1
> Barr, Lillian	3	8
> Becker, Derek	1	1
> Crilly, Rod	3	6
> Foxcroft, Laura	1	4
> Gunaratnam, Lakshman	11	31
> Hackam, Daniel	4	4
> Hosseini-Moghaddam, Seyed M.	9	14
> Huik, Natasja	1	0
> Hussain, Nadeem	4	5
> Kao, Raymond	3	5
> Lazo Langner, Alejandro	2	2
> Lussier, Daniel de Lacerda	9	9
> MacDonald, Christine	1	2
> Member, Test	1	1
> Millard, Wanda	1	1
> Morris, Deric	1	1
> Peddie, Neil	1	1
> Shepherd, Lisa	10	25
> Sridhar, Krishnakumar	7	7
> Teefy, Patrick	1	1
> Teek, Nicole	8	150
> Other, Admin	3	2
> Postgraduate Medical Education	2108	5,582
> Postgraduate Medical Education / Admin	33	758
> Anderson, Scott	1	199
> Baig, Mir	1	2
> Bonsu, Karen	1	1
> Brown, James	5	175
> Edmonds, Marcia	1	12
> Elsayed, Sameer	1	308
> Fust, Jeffrey	1	1
> Gibson, John	3	8
> Haines, Heather	4	4
> Hassani, Behzad	2	4

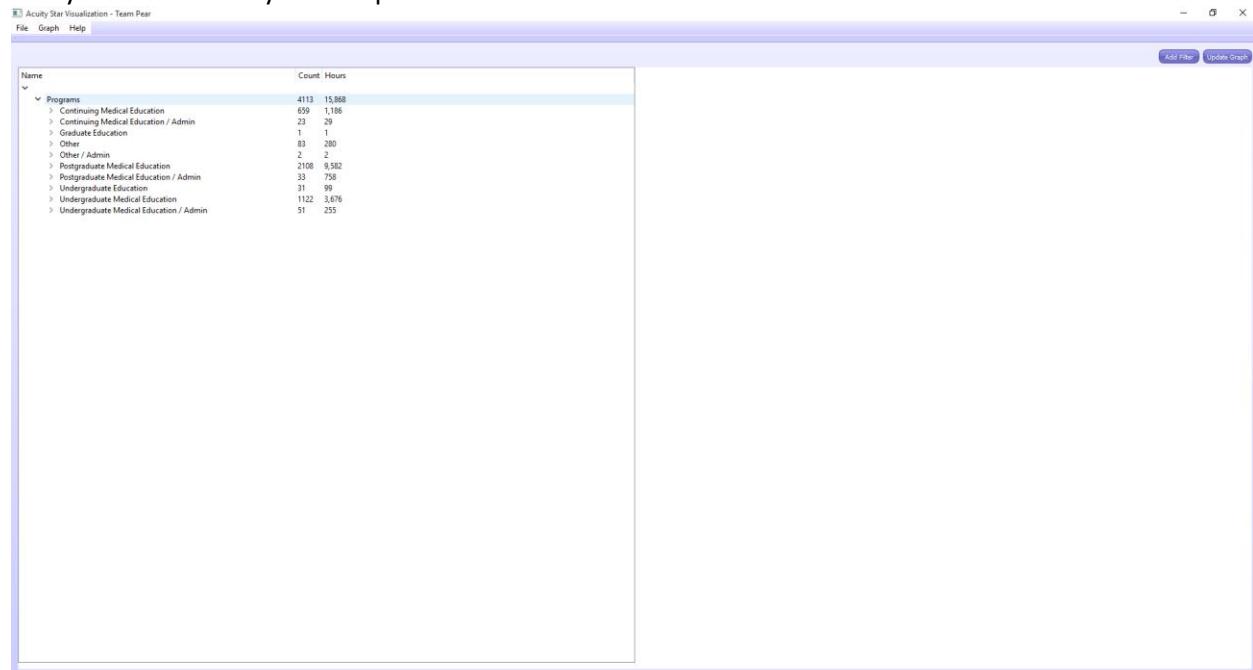
## Ability to load large CSV's (20,000+ rows)

Publications\_expanded.csv - Excel

The screenshot shows a Microsoft Excel spreadsheet titled "Publications\_expanded.csv - Excel". The data is organized into columns labeled A through Z and AA through AC. The first few columns contain numerical identifiers (e.g., 20502, 20503, 20504, etc.) and names (e.g., McLean, P9/15/2009; Gilbert, S/6/2015). Subsequent columns include details such as publication type (e.g., Published, Accepted / In Press), authorship (e.g., Klein, Gec; Medicine), and research focus (e.g., Web Cont Research, Jan-99 Couthor). The data spans multiple pages, indicated by the scroll bar on the right.

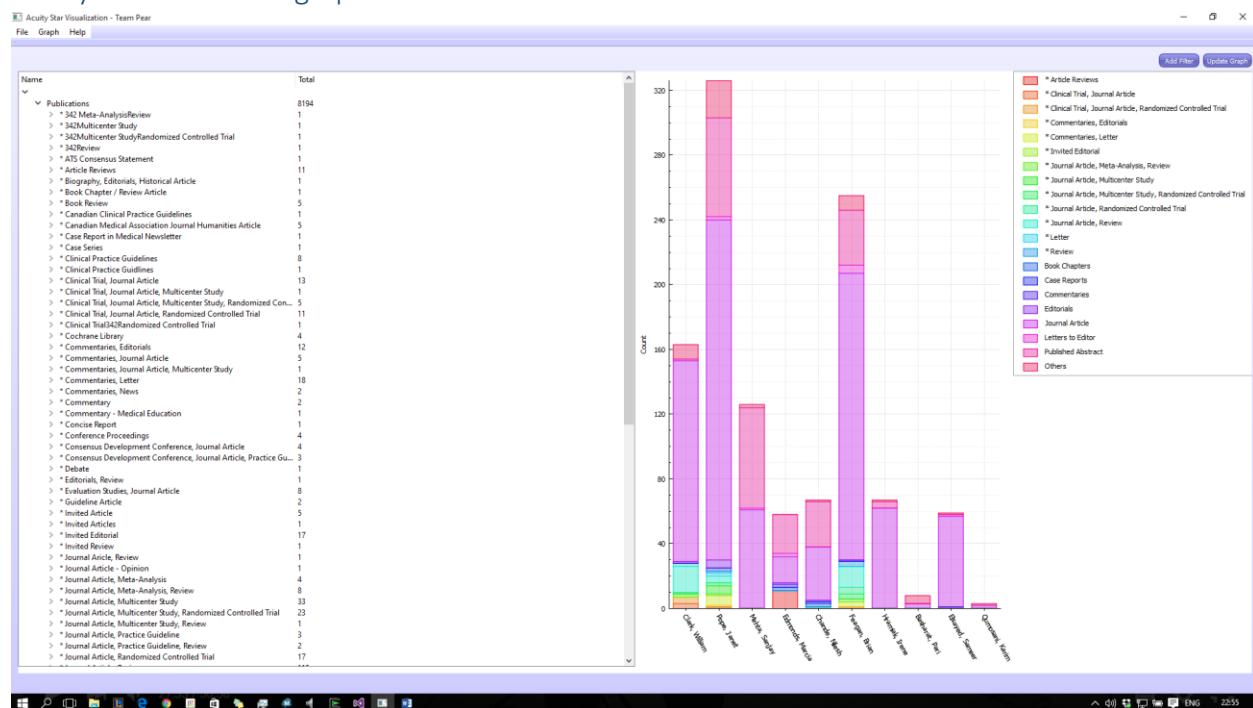
## Provide Data Analysis

### Analysis across faculty for a department

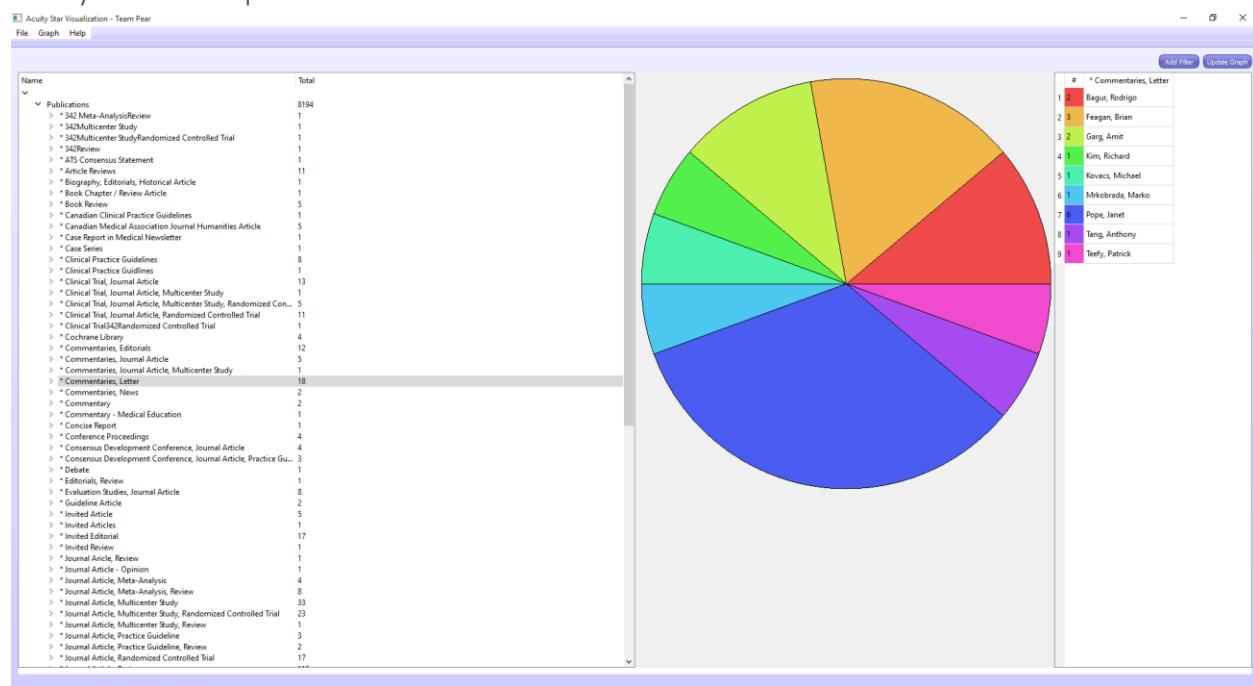


# Graphing

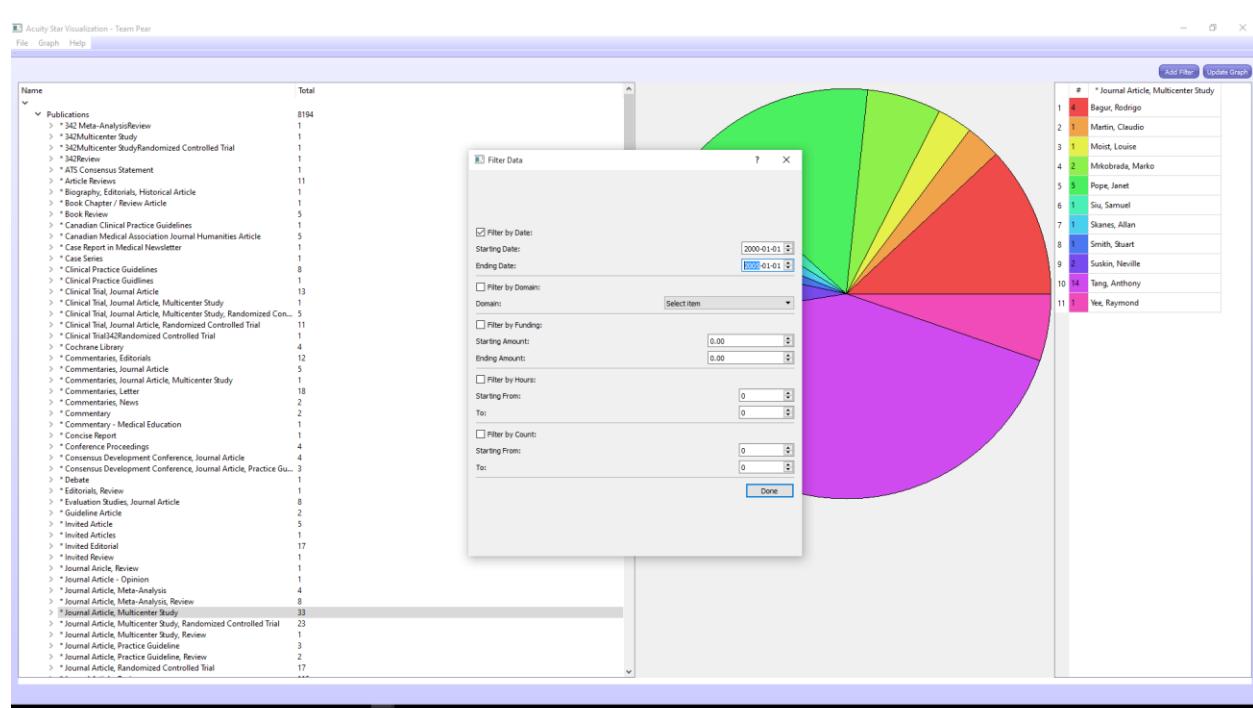
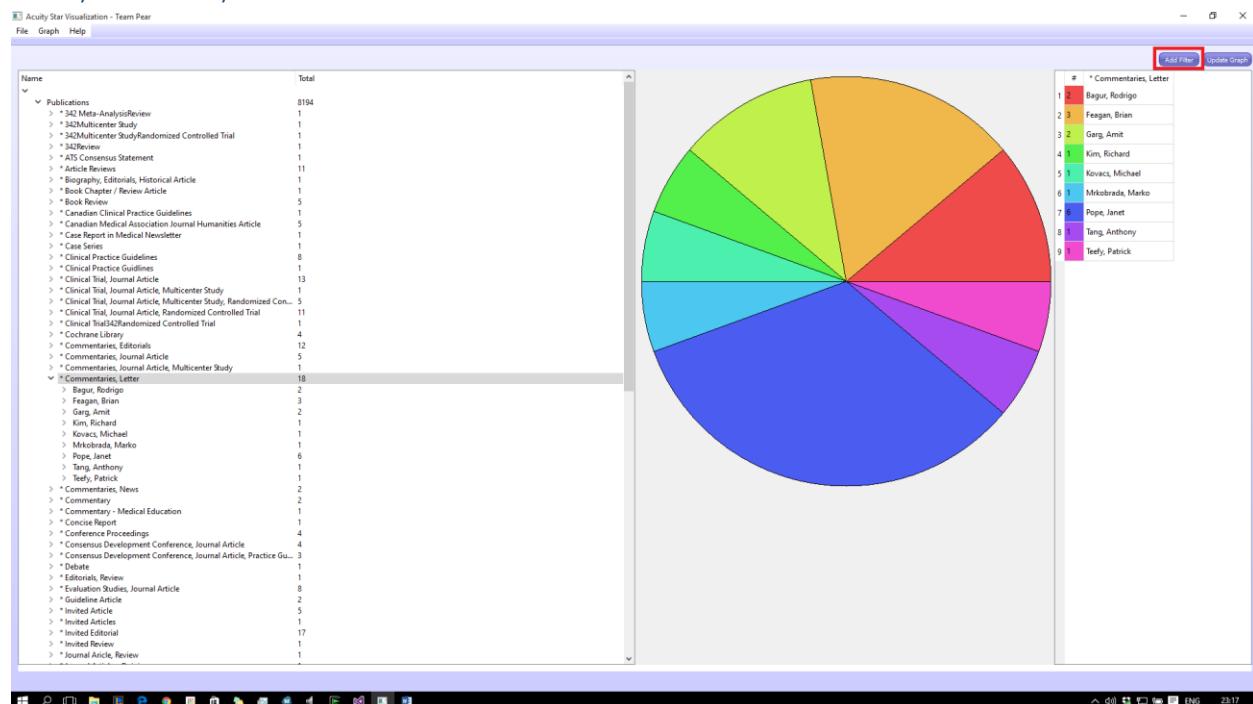
## Ability to create a bar graph



## Ability to create a pie chart



## Ability to filter by date

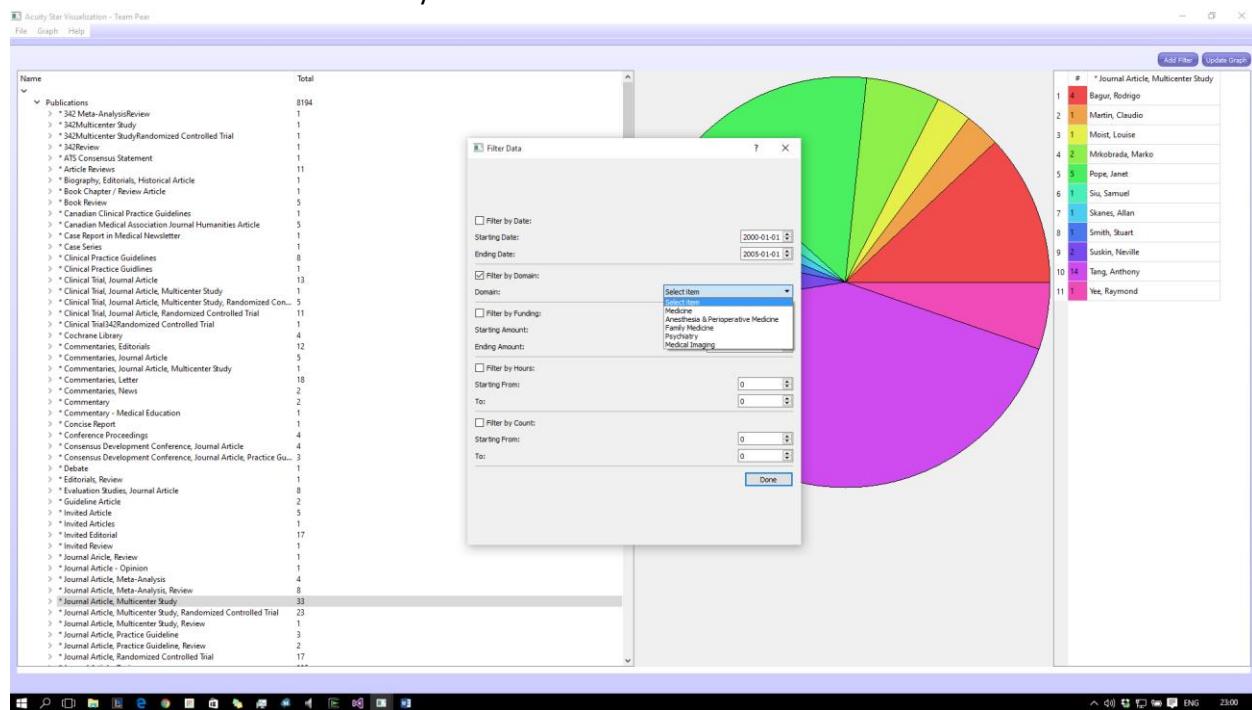


# DEMONSTRATION OF PROGRAM OVERALL CAPABILITIES (STRETCH)

## Additional Filters

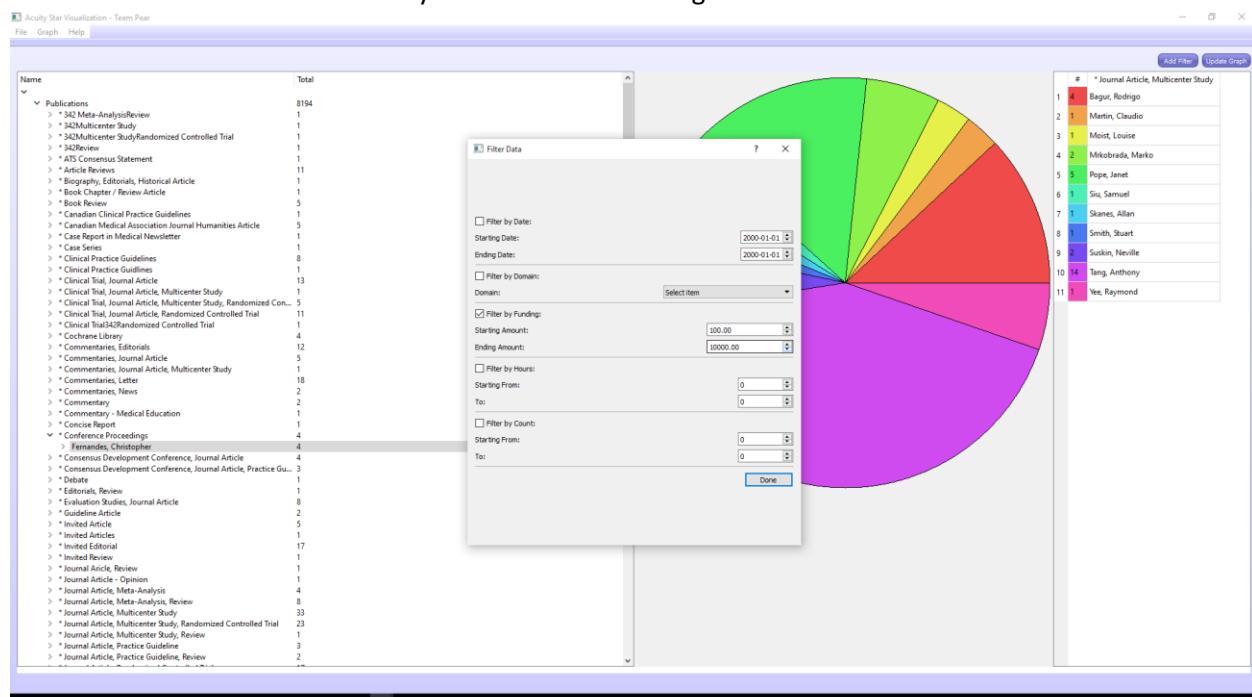
### Domain Filter:

Allows the user to filter the data by domain



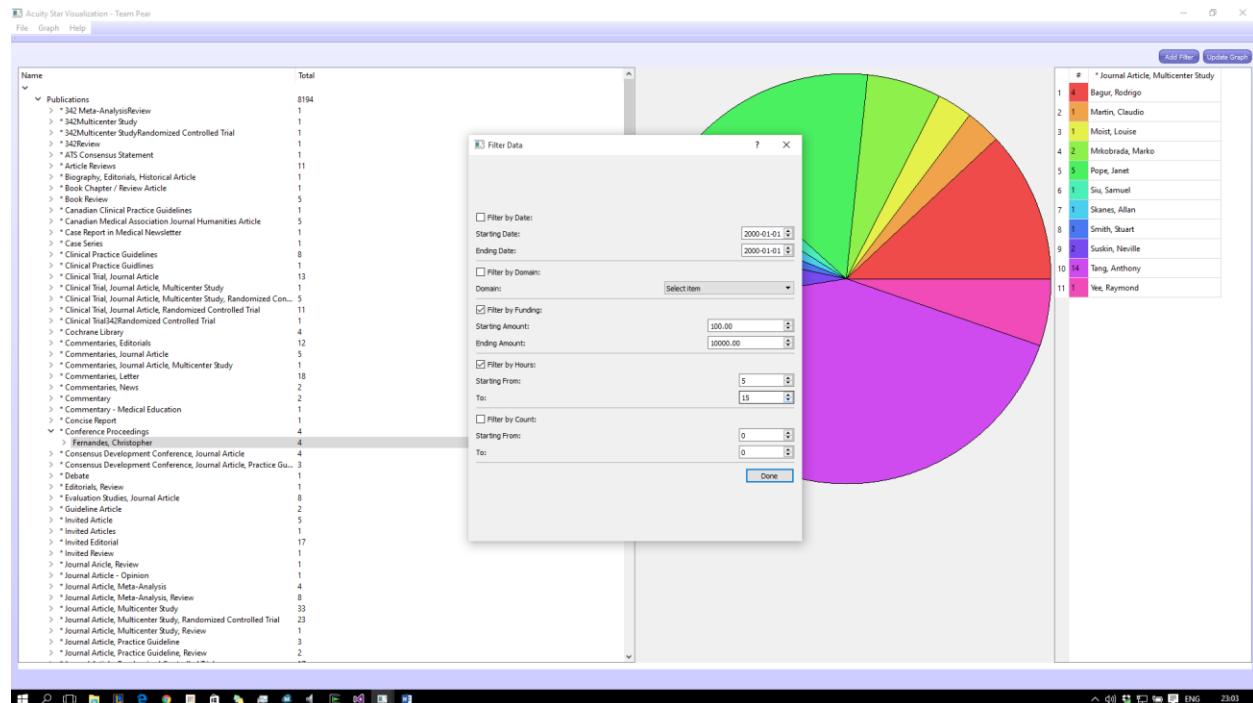
### Funding Filter:

Allows the user to filter the data by the amount of funding



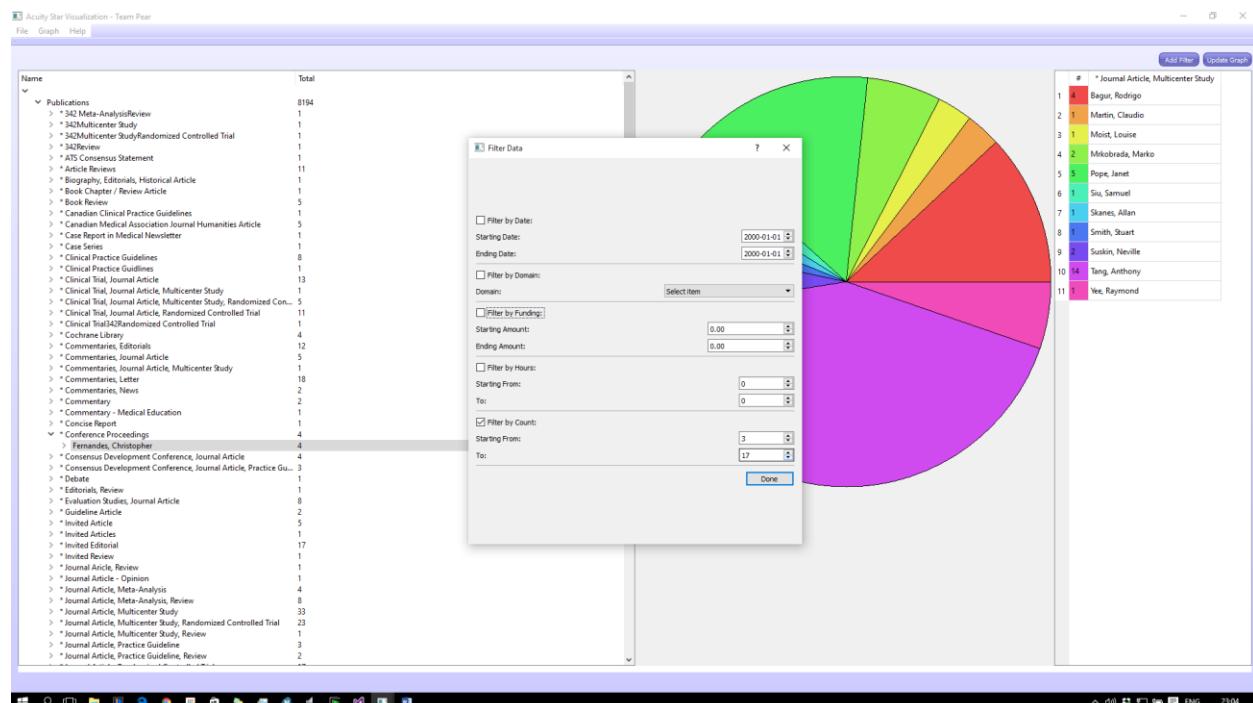
## Hours Filter:

Allows the user to filter the data by the number of hours

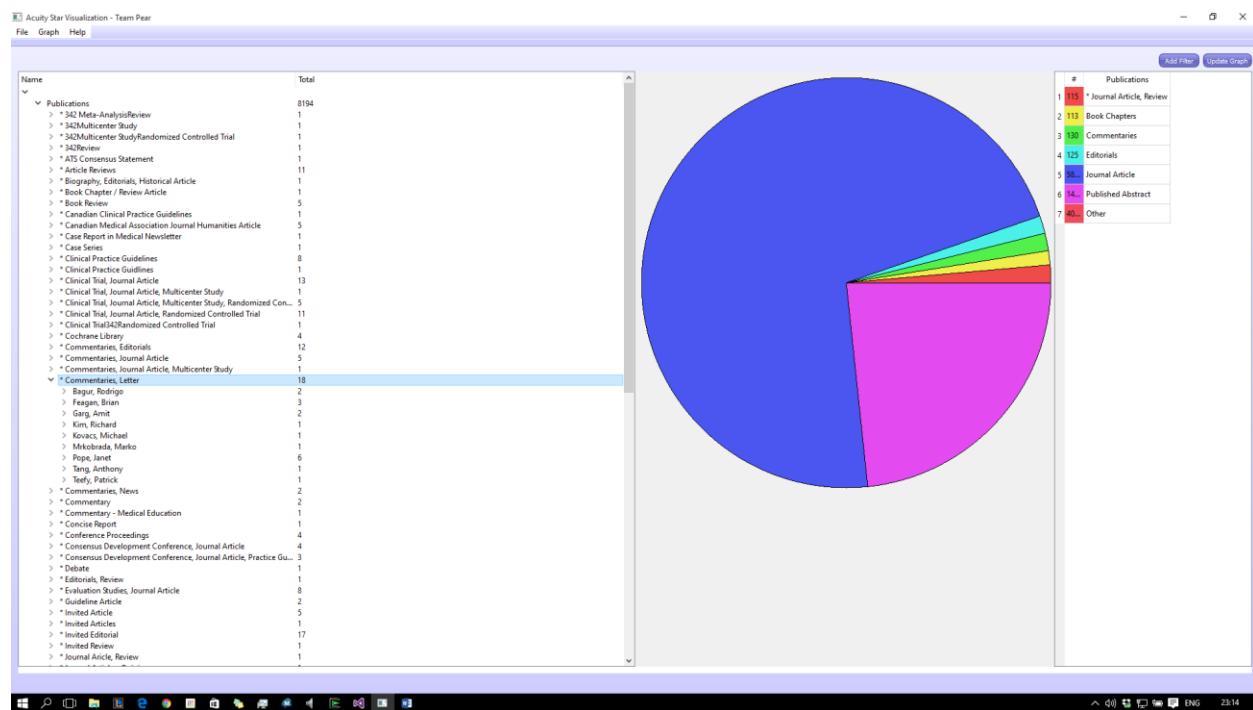
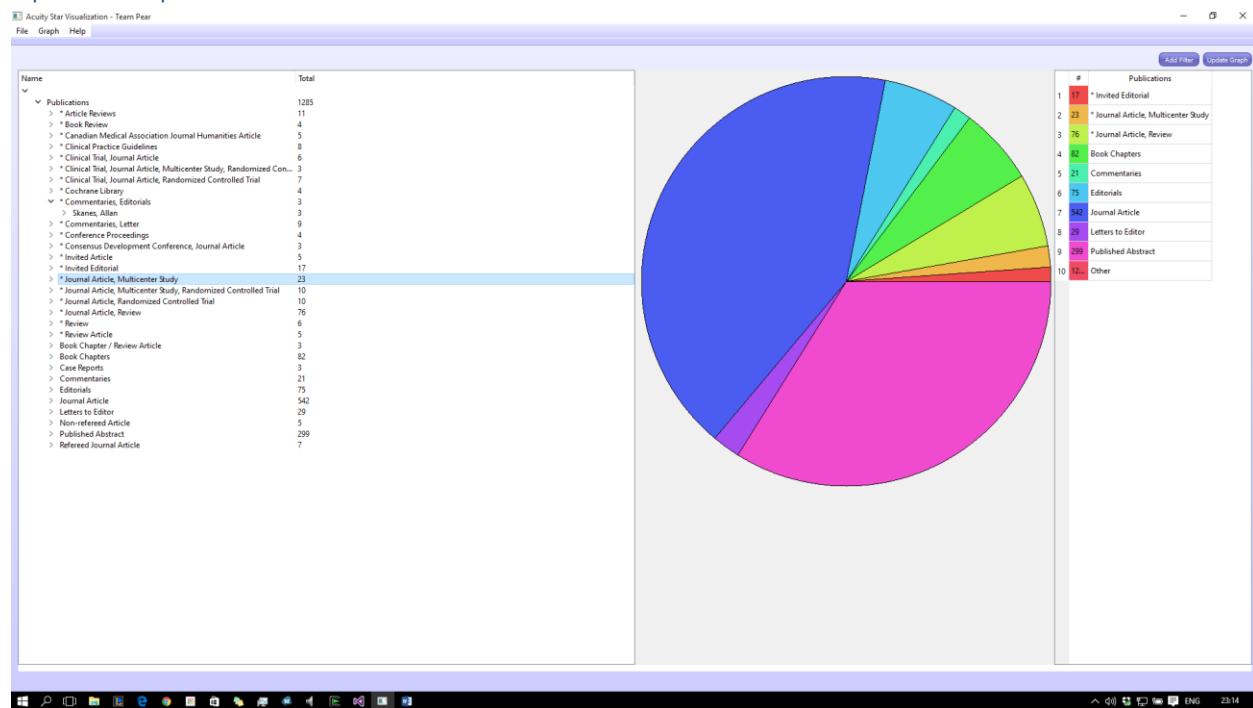


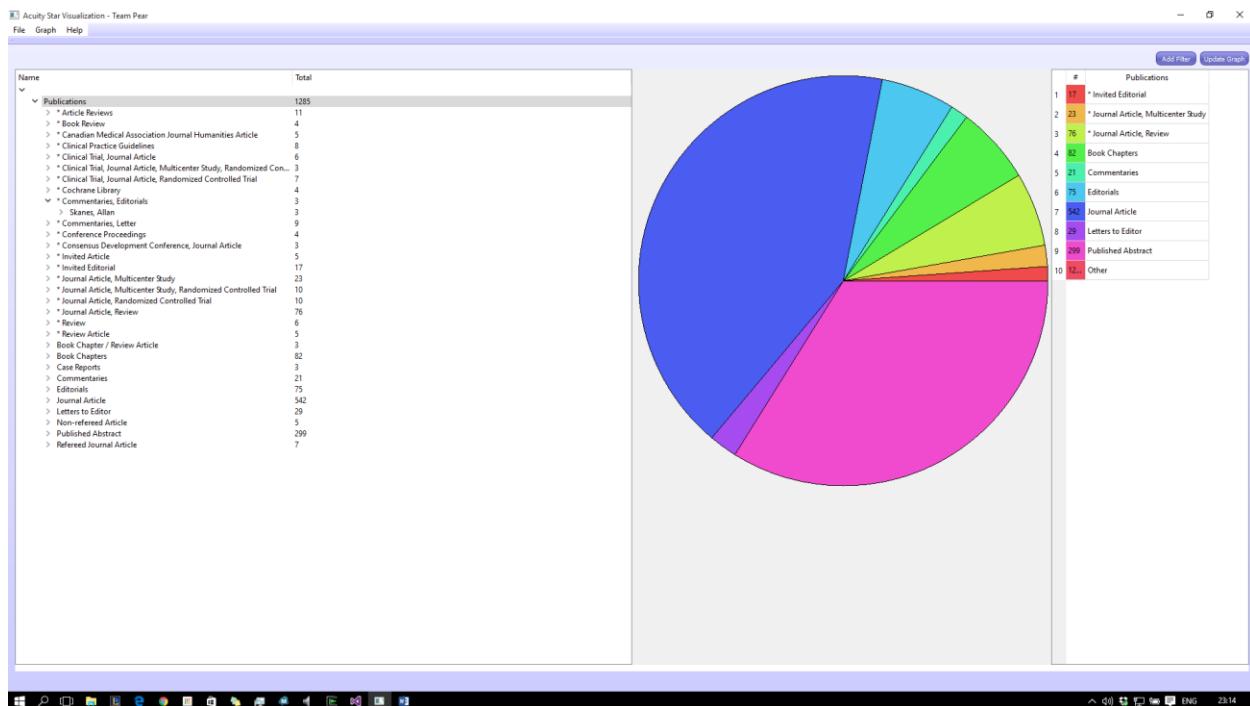
## Count Filter:

Allows the user to filter the data by count (ex: number of publications)



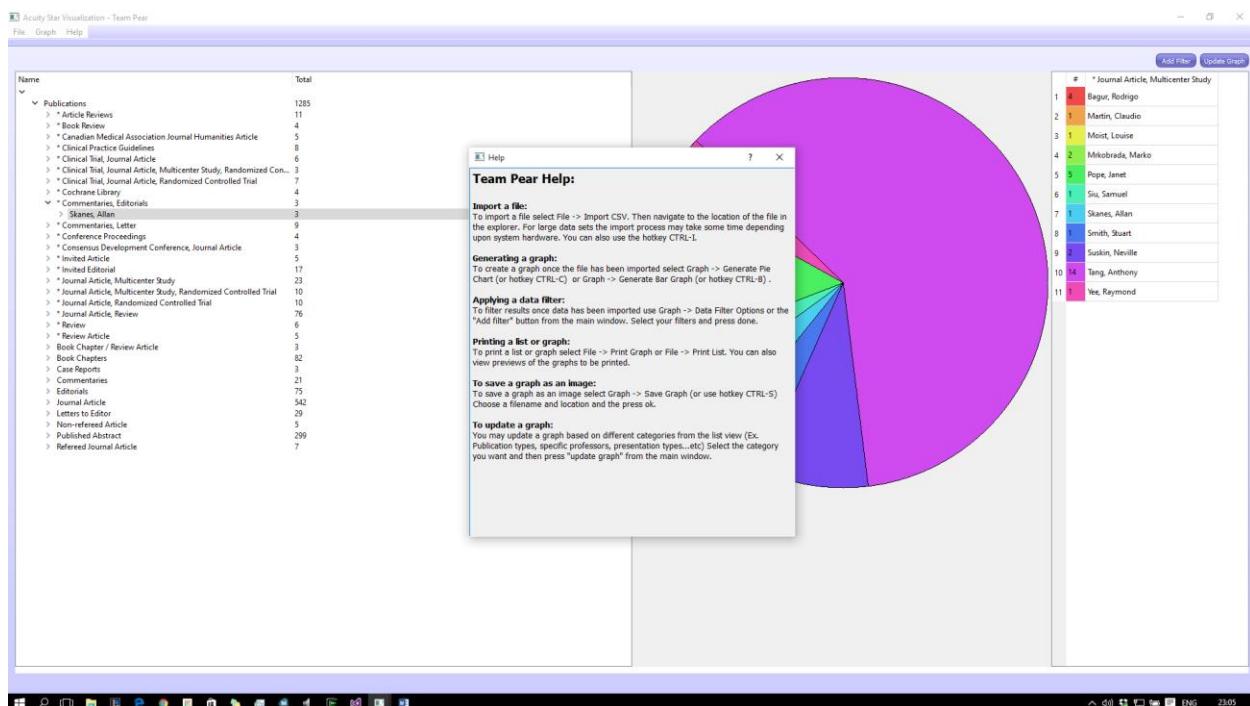
Update Graph based off selection in the list:





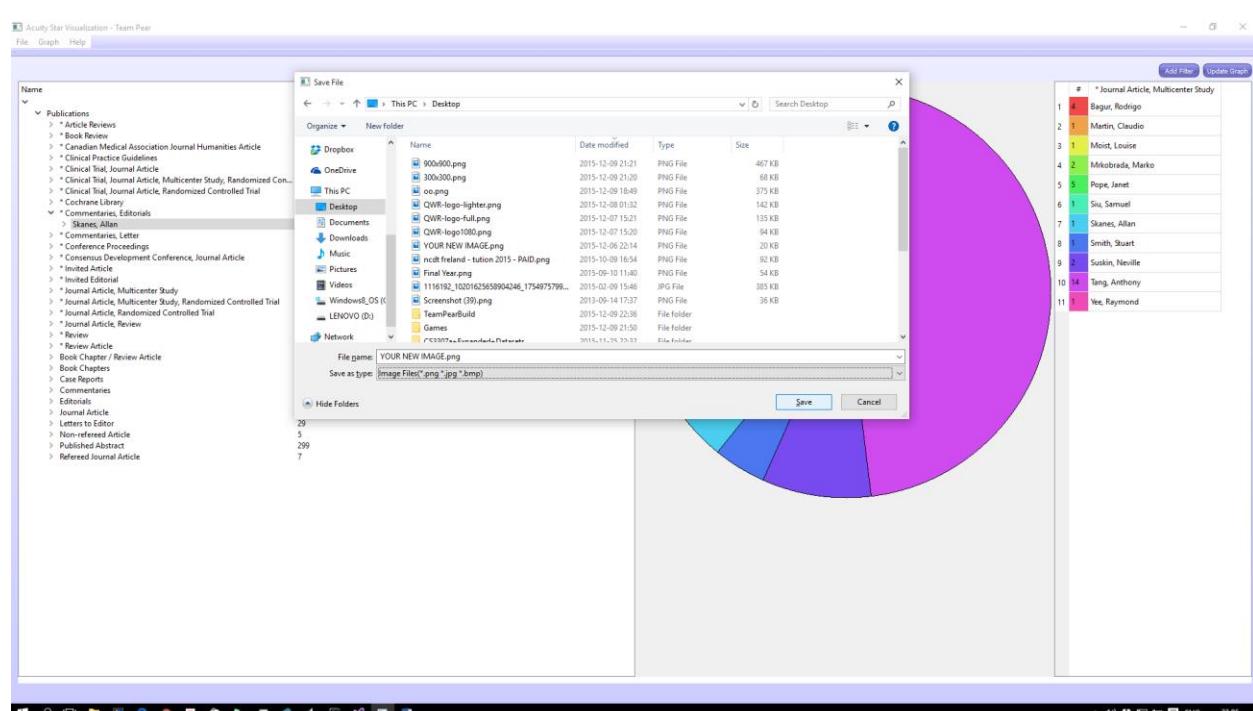
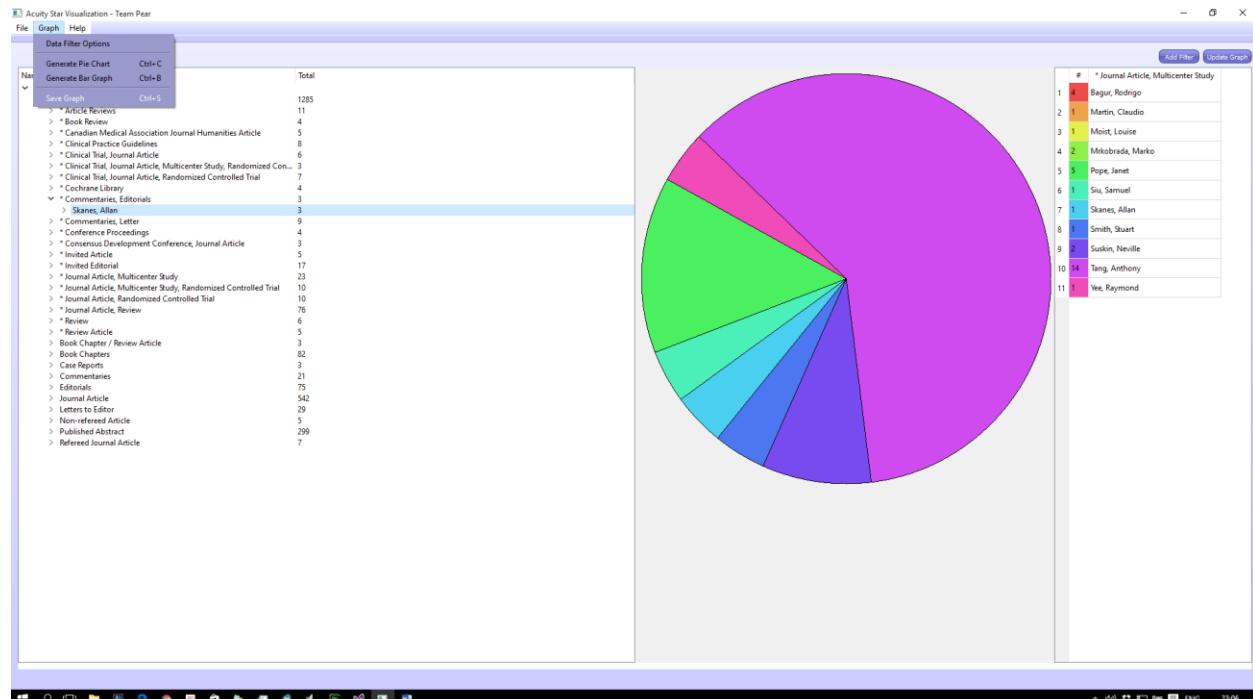
## Help dialog:

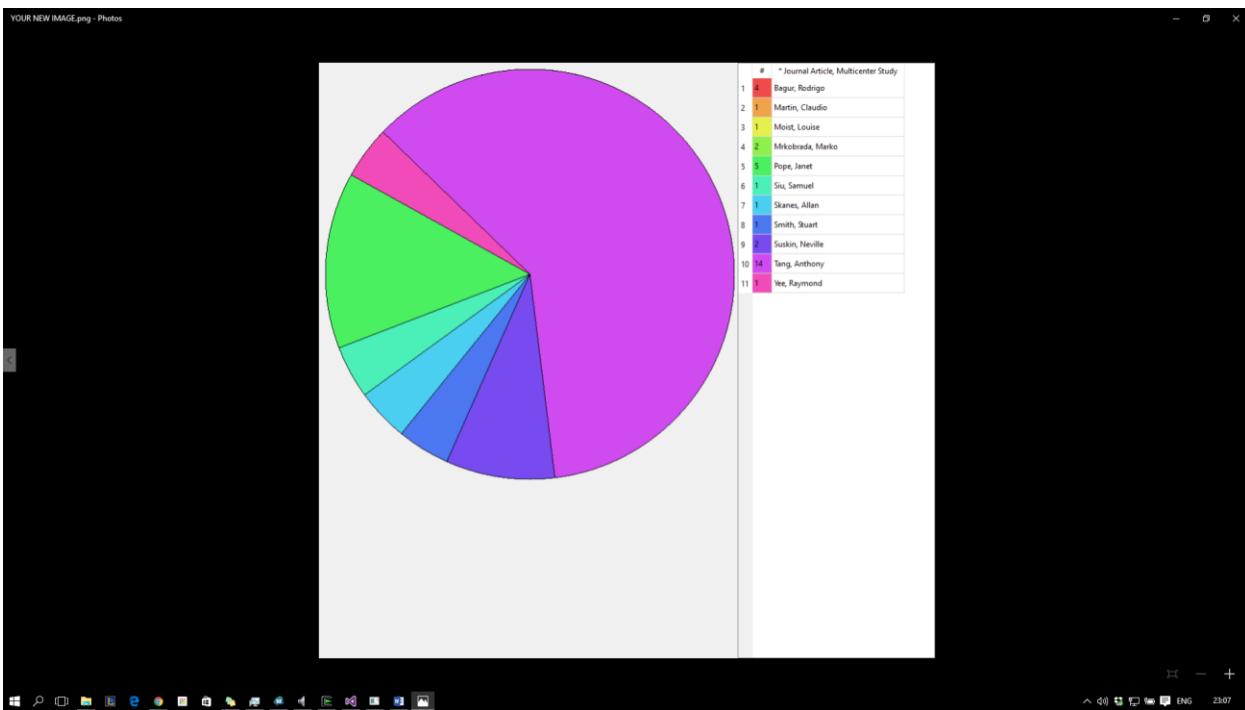
Provides helpful instructions to the user for operating the software



## Save Graph:

Allows the user to save graphs

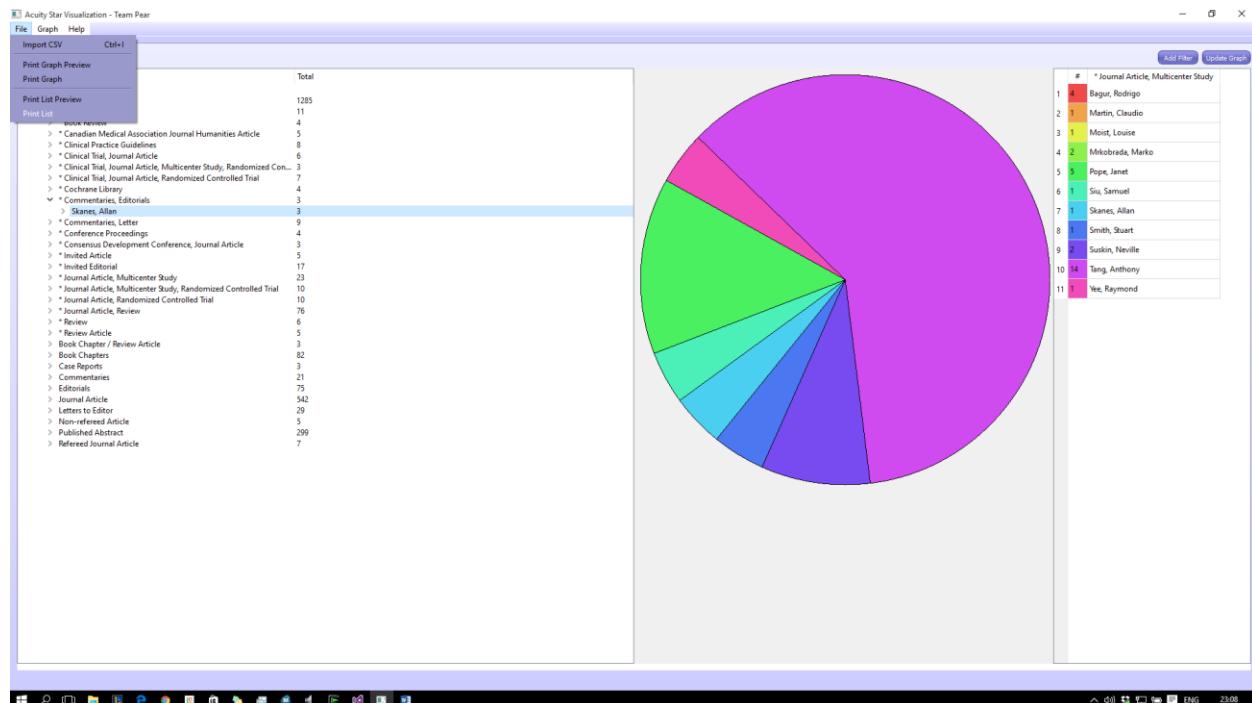


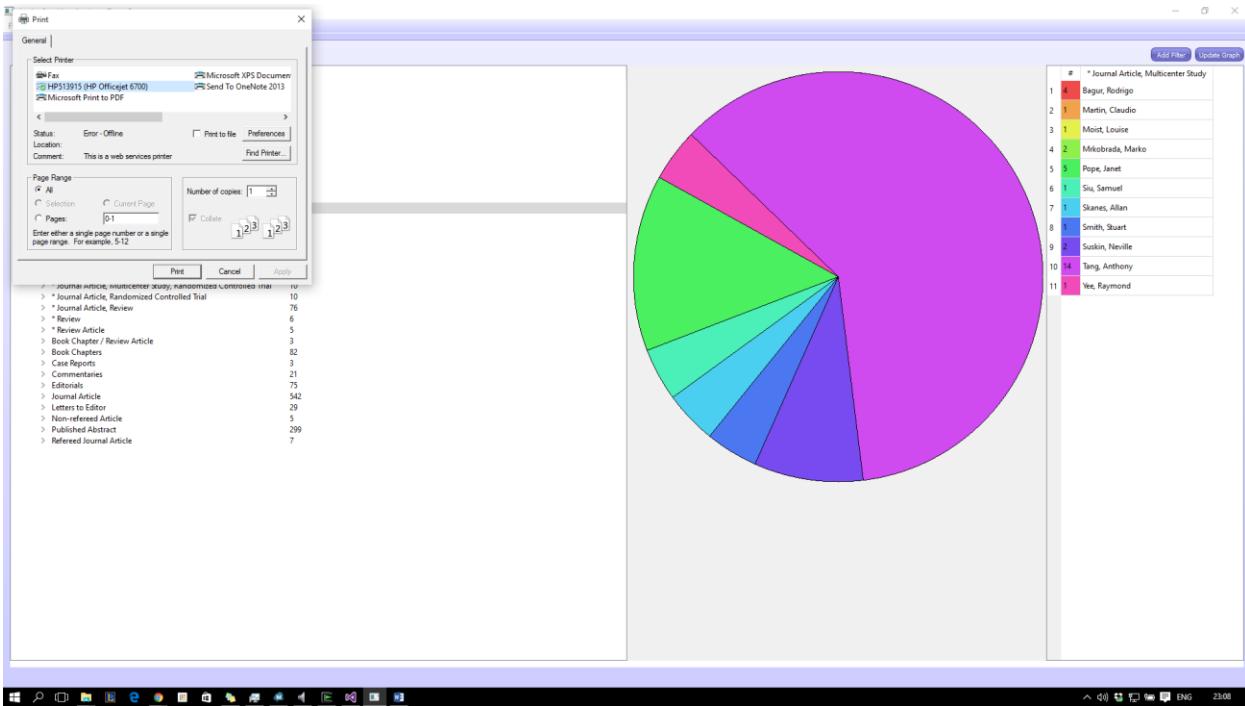


## Printing

### Print List:

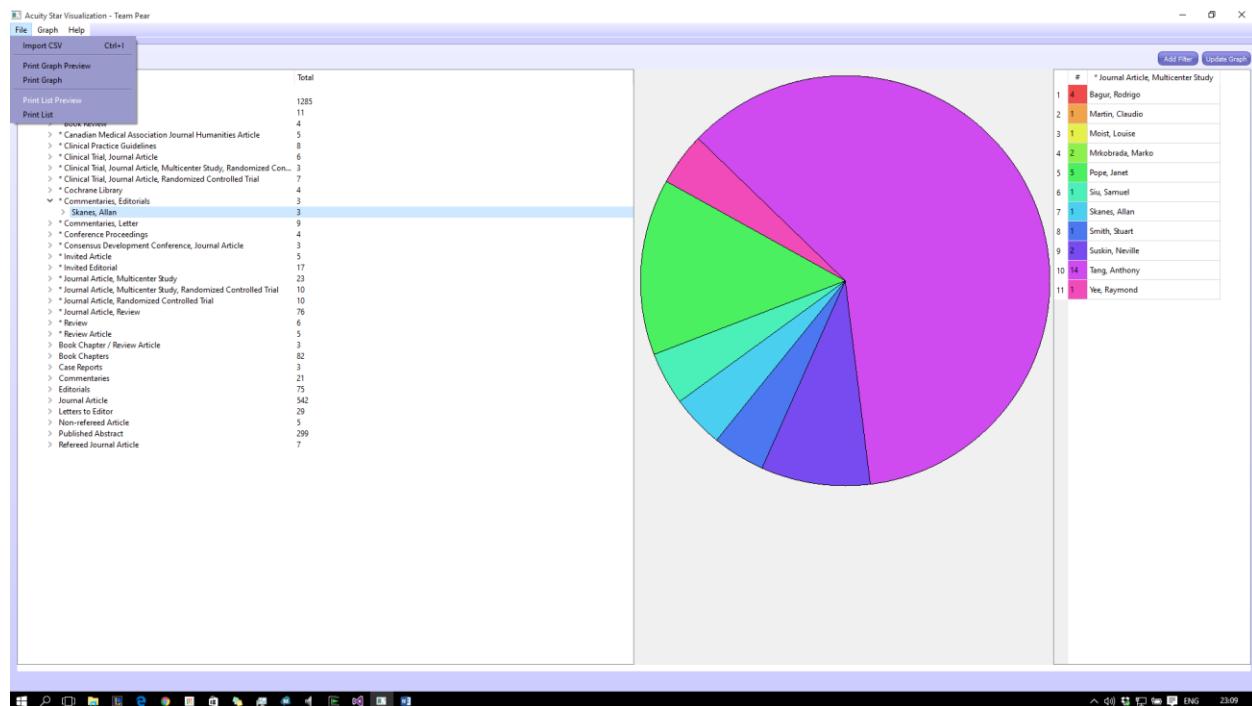
Allows the user to print out the list of the data they are viewing

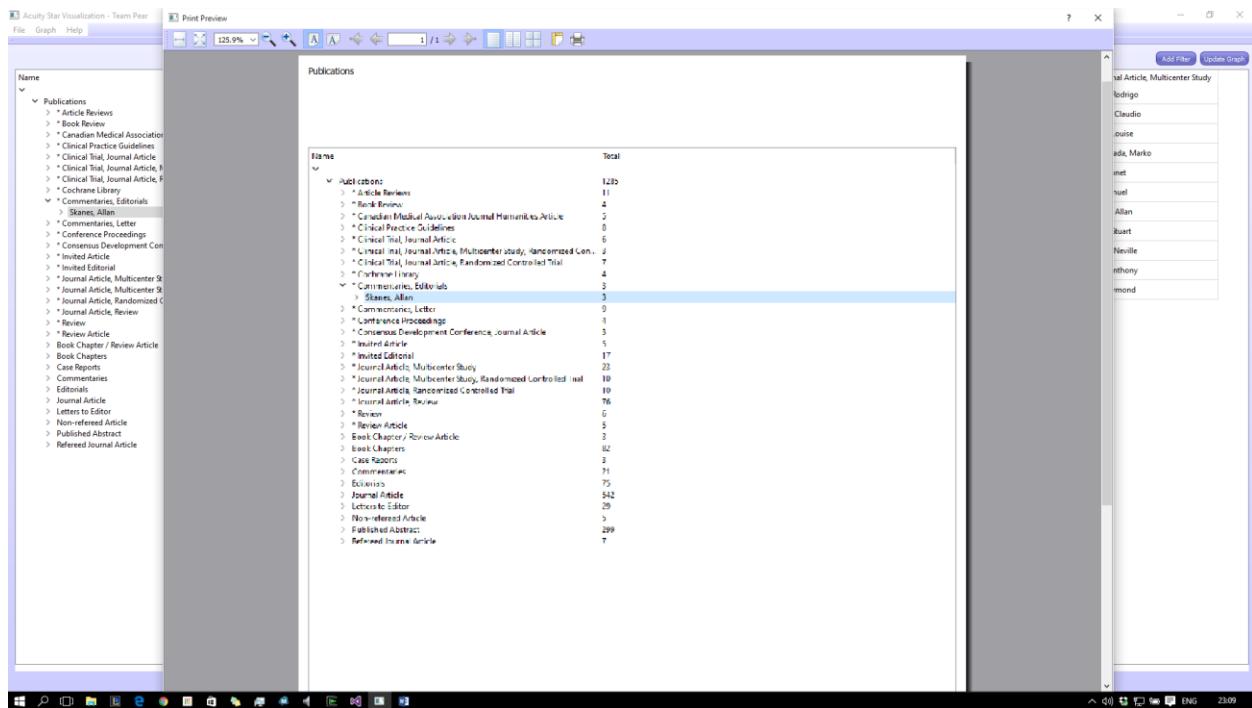




## Print List Preview:

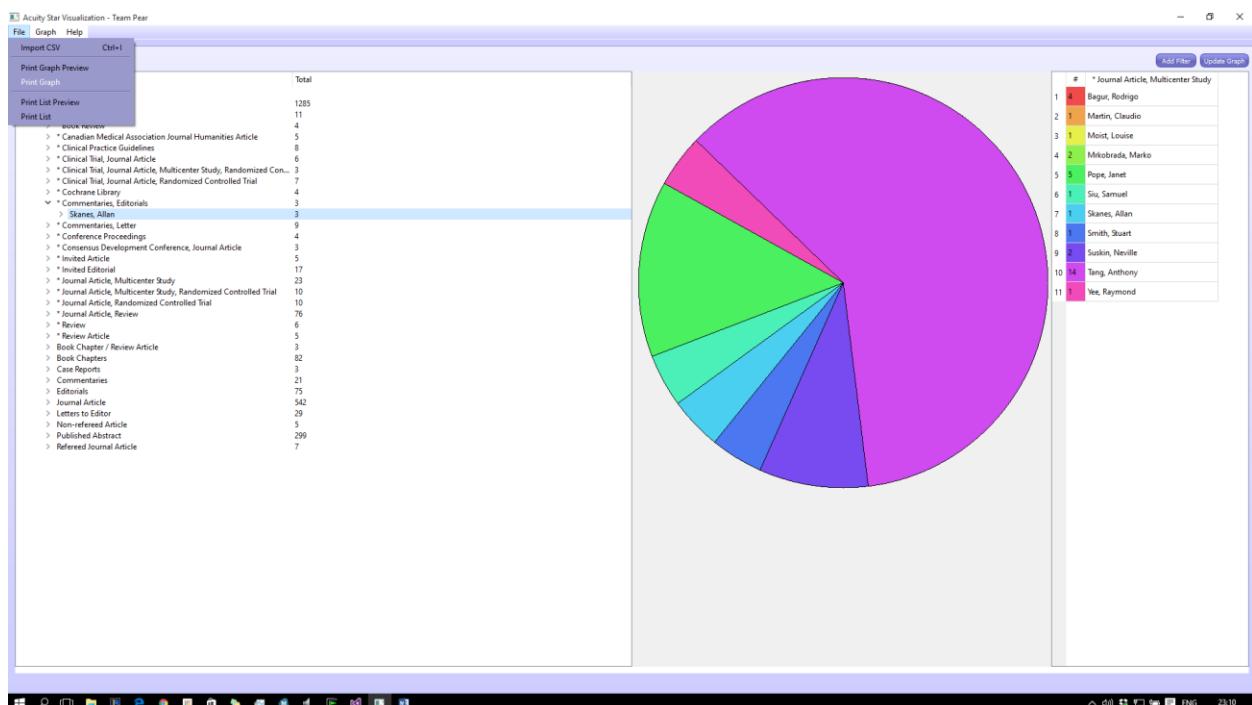
Allows the user to preview the list of data prior to printing





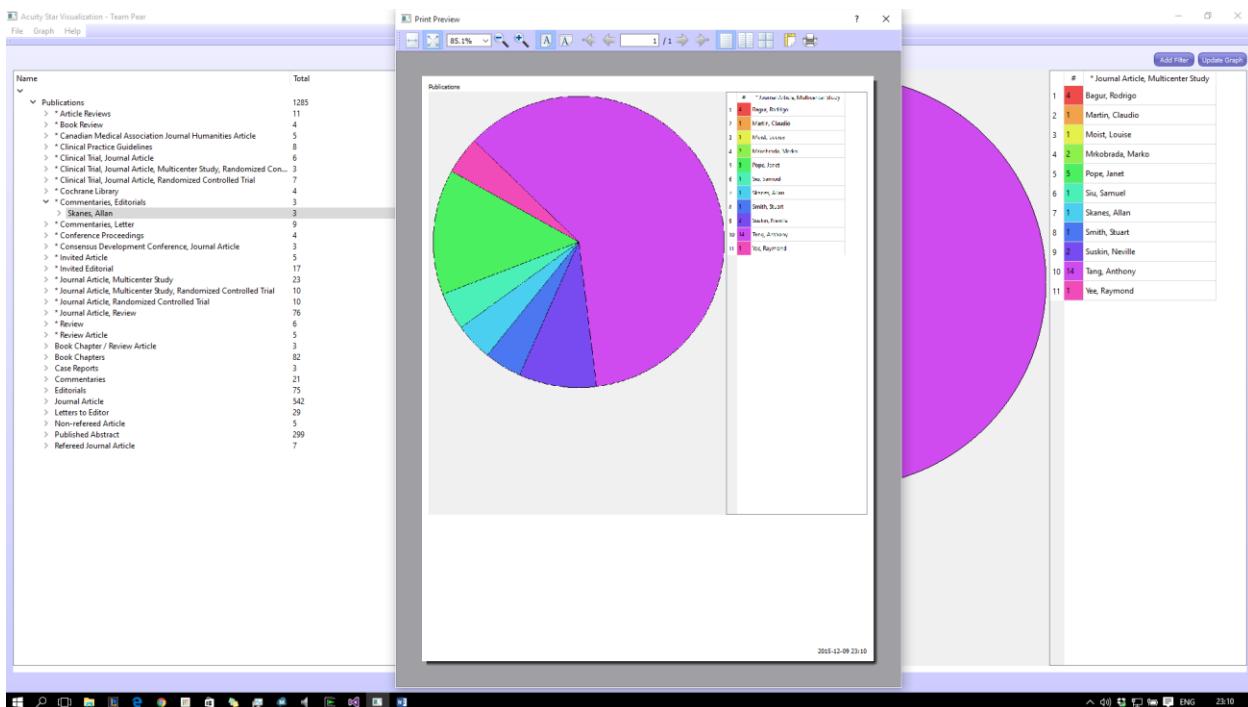
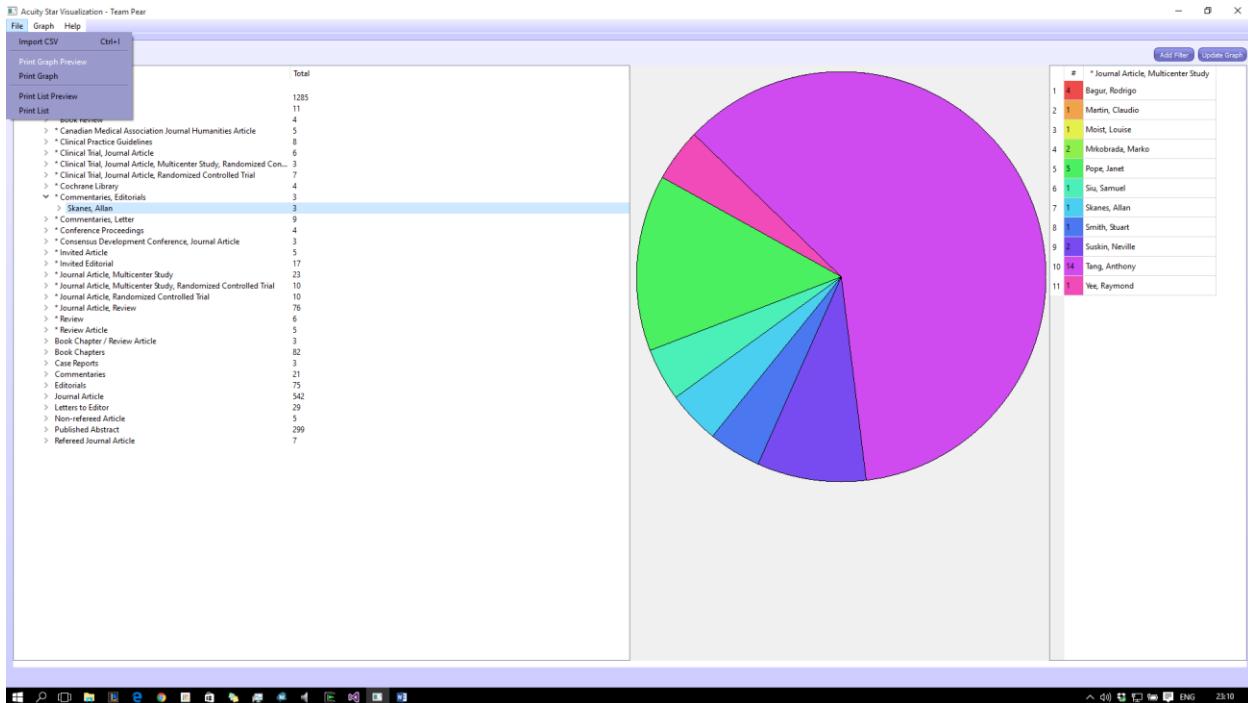
## Print Graph:

Allows the user to print the graph they are viewing



## Print Graph Preview:

Allows the user to preview the graph they are viewing prior to printing



## Hotkeys:

Allows the user to use hotkeys – options are in the menu

