



# The Power of the Pivot

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Using Pivot Tables and  
Charts to Simplify Data  
Analysis





Who We Are!

 OFFICE OF ASSESSMENT &  
ACADEMIC PROGRAM REVIEW


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# Disclaimer

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This is a short session & a complex  
topic



# What is a pivot table/chart?

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- "...a pivot table provides an [interactive view of your data](#). With very **little effort** (and no formulas) you can look at the **same data from many different perspectives**. You can group data into categories, break down data into years and months, **filter data** to include or **exclude categories**, and even **build charts**." - [ExcelJet](#)

# Why use a pivot table or chart for data analysis?

- Easy way to make your data more approachable – very quickly see how many responses from any subset of your data.
- Charts are visually appealing (with a little editing) and easy to use in reports
- Charts can be quickly filtered for deeper analysis
- User-friendly
- Easy to share

# COVID-19 Faculty Experience Survey

- What is your present academic rank?
- What modifications did you make to your curriculum in the classes you moved online?
- What new techniques are you using in the classes you moved online?
- Which areas of your faculty role has the COVID-19 crisis motivated you to focus more on?
- Which areas of your faculty role do you wish you had more time to focus on since the COVID-19 crisis began?
- Describe the most challenging part of your transition to remote work.
- Have you utilized any of the following services/resources since transitioning to remote work?
- In what ways has the COVID-19 crisis impacted your research?
- What do you believe will be most helpful for you in your faculty role moving forward?
- What do you believe will be most helpful for your students moving forward?

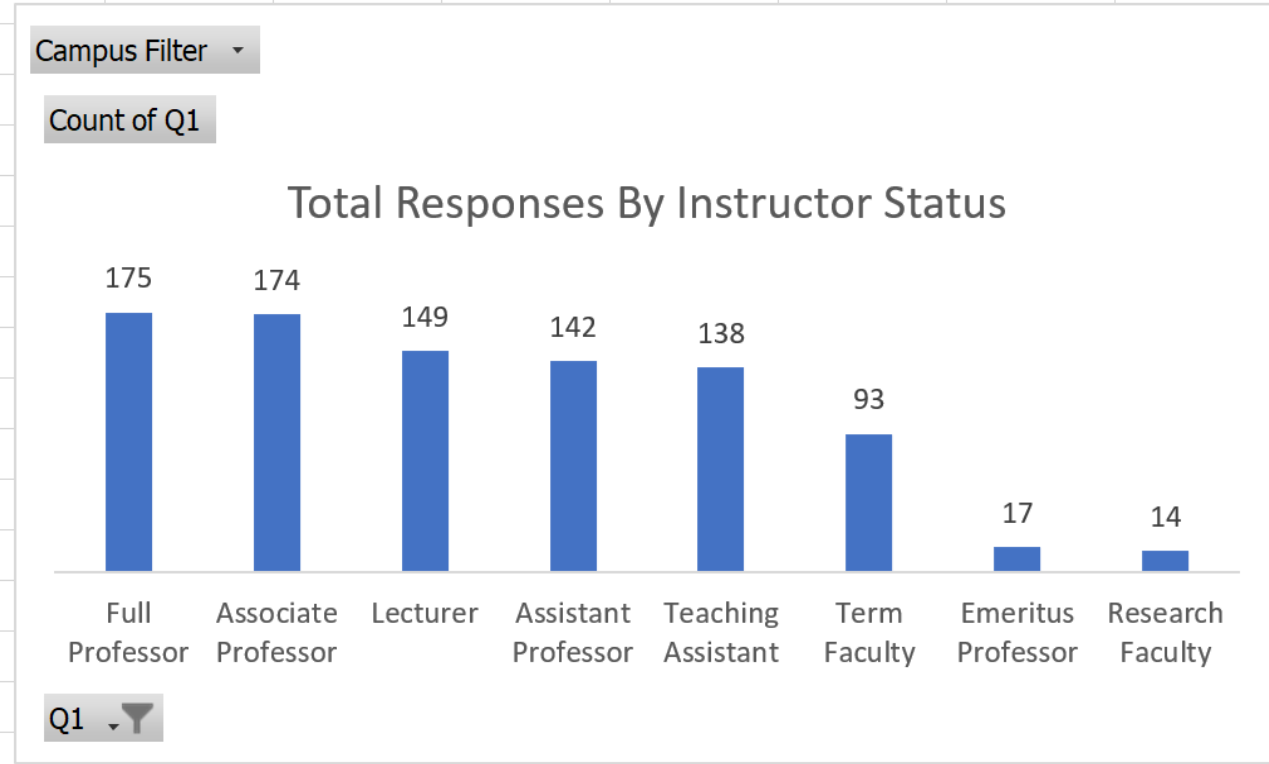
File Home Insert Draw Page Layout Formulas Data Review View Help Acrobat Power Pivot Search

Clipboard Font Alignment Number Styles Cells Editing Ideas Sensitivity

A1 RespondentId

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA	AB	AC	AD							
1	ResponseId	StartDate	Complete	Language	Q1	Q2	Q3didnot	Q3imodifi	Q3imodifi	Q3imodifi	Q4Myclas	Q4Synchr	Q4Asynch	Q4Distrib	Q4Distrib	Q4Inreas	Q4Other	Q4OtherC	Q5Teachir	Q5Grading	Q5Curricu	Q5Classro	Q5Monito	Q5Faculty	Q5Mentor	Q5Resear	Q5Advisin	Q5Officeh	Q5Dissert	Q5							
2	3305034	2020.05.06	2020.05.06	en	Full Profe	Main Cam	0	1	1	1	0	0	0	1	1	0	1	wrote out	1	0	1	0	0	0	0	0	0	0	0								
3	3305038	2020.05.06	2020.05.06	en	Associate	Main Cam	0	1	1	1	0	1	1	1	1	0	0		1	0	0	0	0	0	0	1	1	1	0	0							
4	3305043	2020.05.06	2020.05.06	en	Full Profe	Main Cam	0	1	0	1	0	1	0	0	0	0	0		1	0	0	0	0	0	0	1	1	0	0	0							
5	3305044	2020.05.06	2020.05.06	en	Term Facu	Main Cam	1	0	0	0	0	0	1	1	1	1	0		1	1	0	1	1	0	0	0	0	0	0	0							
6	3305045	2020.05.06	2020.05.06	en	Assistant	HSC	1	0	0	0	0	1	0	0	0	0	0		0	0	1	0	1	0	0	0	0	0	0	0							
7	3305046	2020.05.06	2020.05.06	en	Lecturer	Main Cam	0	1	1	0	0	1	1	1	0	1	0		1	1	0	1	1	0	0	0	0	0	0	0							
8	3305052	2020.05.06	2020.05.06	en	Assistant	Main Cam	0	1	1	1	0	1	0	1	1	1	0		1	0	1	1	0	0	0	0	0	1	0	0							
9	3305053	2020.05.06	2020.05.06	en	Lecturer	Main Cam	0	1	1	1	0	1	1	1	0	1	0		1	0	1	1	1	1	0	0	0	0	0	0							
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11	3305055	2020.05.06	2020.05.06	en	Full Profe	Main Cam	0	1	1	0	0	0	0	1	0	0	0		1	0	1	0	0	0	1	0	0	0	0	0							
12	3305056	2020.05.06	2020.05.06	en	Assistant	Main Cam	1	0	0	0	0	0	1	0	0	0	0		1	0	0	0	0	0	1	0	0	0	1	0							
13	3305068	2020.05.06	2020.05.06	en	Full Profe	Main Cam	0	1	1	1	1	1	1	1	1	0	0		1	0	1	0	0	0	0	0	0	0	0	0							
14	3305069	2020.05.06	2020.05.06	en	Assistant	Main Cam	0	1	0	1	0	1	0	0	1	1	0		0	0	1	0	0	0	0	0	0	0	0	0	0						
15	3305070	2020.05.06	2020.05.06	en	Lecturer	Gallup	0	1	1	1	0	1	1	0	0	1	0		1	0	1	0	0	0	1	0	0	0	0	0	0						
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18	3305077	2020.05.06	2020.05.06	en	Full Profe	HSC	1	0	0	0	1	0	0	0	0	0	0		0	0	0	0	0	0	0	1	0	0	0	0	0						
19	3305079	2020.05.06	2020.05.06	en	Full Profe	HSC	0	0	0	1	0	1	0	1	0	0	0		0	0	1	0	0	0	0	0	0	0	0	0	0	0					
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21	3305081	2020.05.06	2020.05.06	en	Assistant	Main Cam	0	1	1	1	0	1	1	1	1	1	0		0	0	1	1	1	0	0	1	0	1	0	0	0	0					
22	3305083	2020.05.06	2020.05.06	en	Assistant	Main Cam	0	1	1	1	1	1	1	1	0	0	0		1	0	0	0	0	0	0	0	0	1	1	0	0	0					
23	3305088	2020.05.06	2020.05.06	en	Lecturer	HSC	0	1	1	1	0	1	1	1	0	1	0		1	1	1	1	1	0	0	0	0	0	0	0	0	0	0				
24	3305089	2020.05.06	2020.05.06	en	Associate	Main Cam	0	1	1	1	0	1	0	1	1	0	0		1	1	0	0	0	0	0	1	0	1	0	1	0	1					
25	3305091	2020.05.06	2020.05.06	en	Associate	Gallup	0	1	0	1	0	1	1	1	1	0	0		1	1	1	1	0	1	0	0	0	0	1	0	0	0	0				
26	3305093	2020.05.06	2020.05.06	en	Lecturer	HSC	0	1	1	1	0	1	1	1	0	0	0		1	1	0	0	0	0	0	0	0	0	0	0	0	0	0				
27	3305096	2020.05.06	2020.05.06	en	Associate	Main Cam	0	1	1	1	0	1	0	1	0	0	0		1	1	1	1	0	0	1	0	0	0	0	0	0	0	0	0			
28	3305098	2020.05.06	2020.05.06	en	Full Profe	Main Cam	0	0	1	1	0	1	0	0	0	0	0		0	0	1	0	0	0	1	0	0	1	0	1	0	1	0	1			
29	3305100	2020.05.06	2020.05.06	en	Associate	Main Cam	0	1	0	0	0	0	1	1	0	0	0		1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
30	3305102	2020.05.06	2020.05.06	en	Full Profe	Main Cam	0	1	1	1	0	1	1	1	1	0	0		1	0	0	1	0	0	0	1	0	1	0	1	0	0	0	0			
31	3305106	2020.05.06	2020.05.06	en	Full Profe	Main Cam	0	1	1	1	0	1	1	0	0	1	0		1	1	0	1	1	0	1	1	0	1	0	1	0	1	0	1			
32	3305107	2020.05.06	2020.05.06	en	Full Profe	Main Cam	0	1	0	1	0	0	0	1	0	1	0		1	Asynchron	1	1	0	0	0	0	1	1	1	0	0	0	0	0			
33	3305108	2020.05.06	2020.05.06	en	Assistant	Main Cam	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
34	3305109	2020.05.06	2020.05.06	en	Lecturer	Main Cam	1	0	0	0	1	1	1	1	0	0	0		1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
35	3305115	2020.05.06	2020.05.06	en	Associate	Main Cam	0	1	0	1	0	1	0	0	0	0	0		1	0	1	0	0	0	1	1	0	0	1	0	1	0	0	0	0		
36	3305117	2020.05.06	2020.05.06	en	Associate	Main Cam	0	1	0	1	1	0	0	0	0	0	0		0	0	1	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	
37	3305121	2020.05.06	2020.05.06	en	Assistant	HSC	1	0	0	0	0	0	0	0	0	0	0		1	Not curre	0	0	0	0	0	0	1	1	0	0	1	0	0	1	0	1	
38	3305123	2020.05.06	2020.05.06	en	Assistant	Main Cam	0	1	0	1	0	0	0	0	1	0	0		0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0

Row Labels	Count of Q1
Full Professor	175
Associate Professor	174
Lecturer	149
Assistant Professor	142
Teaching Assistant	138
Term Faculty	93
Emeritus Professor	17
Research Faculty	14
<b>Grand Total</b>	<b>902</b>





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# Let's **pivot** to a demonstration!

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- We start with the raw data in an excel file
- We clean it, as needed
- We pivot -
  - To get started, just pivot on the questions that are the focus/priority for your survey
  - Then you can go back and dig deeper or explore more on other questions



# Considerations

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- Where to begin?
  - Demographics
  - Survey goal
  - Question by question
- If you start to feel overwhelmed with the results in a pivot, ask yourself:
  - Can I roll the items up into a larger group?
  - Can I combine multiple questions to highlight a larger trend or pattern?
  - Does this question provide the data I'm (or my constituents are) curious about?

# Considerations II

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- Unfavorable data is still useful data!!!
  - Tells us how to improve (our services, but also our data collection instruments)
  - Can provide insight on things we thought we knew



# Thank You & Resources!

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- Microsoft Pivot Table How To:
  - <https://support.microsoft.com/en-us/office/create-a-pivottable-to-analyze-worksheet-data-a9a84538-bfe9-40a9-a8e9-f99134456576>
- Excel Campus Pivot Table How To:
  - <https://youtu.be/9NUjHBNWe9M>
- Excel Jet Pivot Table How To:
  - <https://exceljet.net/lessons/why-pivot-tables>
- Us: Charla Orozco ([cehenley@unm.edu](mailto:cehenley@unm.edu))  
Sam Hatch ([sjhatch@unm.edu](mailto:sjhatch@unm.edu))