The Power of the Pivot

Using Pivot Tables and Charts to Simplify Data Analysis
Who We Are!

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Disclaimer

This is a short session & a complex topic
What is a pivot table/chart?

• "...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?
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**Total Responses By Instructor Status**

- Full Professor: 175
- Associate Professor: 174
- Lecturer: 149
- Assistant Professor: 142
- Teaching Assistant: 138
- Term Faculty: 93
- Emeritus Professor: 17
- Research Faculty: 14
Let's **pivot** to a demonstration!

- 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

• 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

• 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!

- **Microsoft Pivot Table How To:**

- **Excel Campus Pivot Table How To:**
  - [https://youtu.be/9NUjHBNW9eM](https://youtu.be/9NUjHBNW9eM)

- **Excel Jet Pivot Table How To:**
  - [https://exceljet.net/lessons/why-pivot-tables](https://exceljet.net/lessons/why-pivot-tables)

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