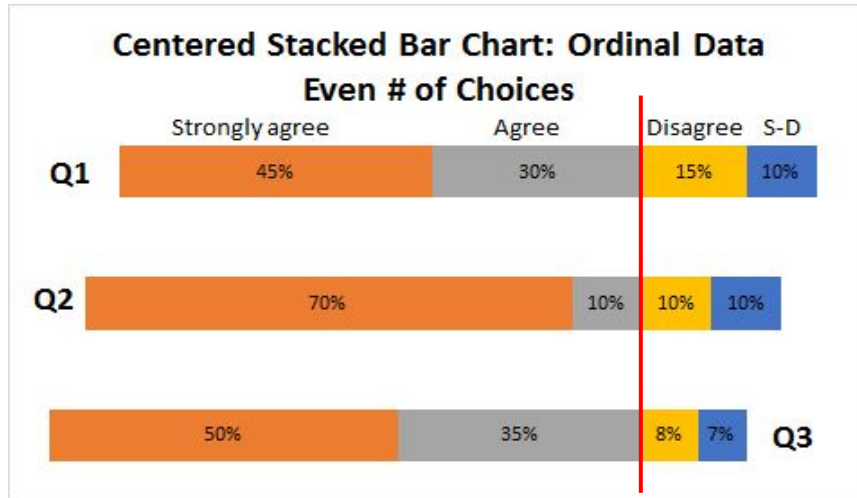
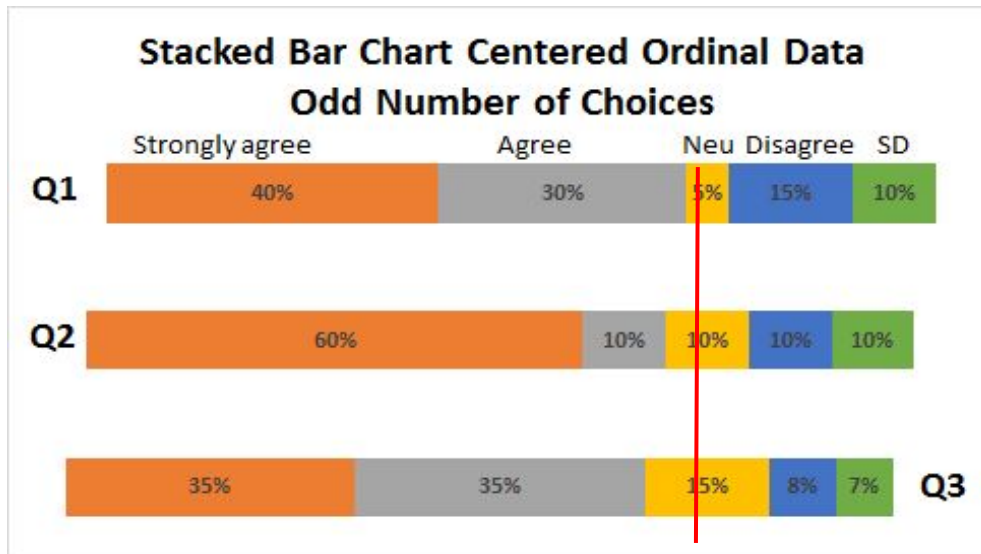


| A | B | C | D | E | F | G |
|---|--|-----|-----|----------|-----|---------|
| 2 | EVEN # OF CHOICES | | | | | |
| 3 | SA=Strongly Agree; A=Agree; D=Disagree; SD=Strongly Disagree. No Neutral | | | | | |
| 4 | Buffer1 | SA | A | D | SD | Buffer2 |
| 5 | 15% | 50% | 35% | 8% | 7% | 85% |
| 6 | 20% | 70% | 10% | 10% | 10% | 80% |
| 7 | 25% | 45% | 30% | 15% | 10% | 75% |
| 8 | B5 =100%-(C5+D5) | | | G5 =1-B5 | | |



| A | B | C | D | E | F | G | H |
|----|---|-----|-----|-----|----------------------------|-----|---------|
| 24 | ODD NUMBER OF CHOICES | | | | | | |
| 25 | SA=Strongly Agree; A=Agree; N=Neutral; D=Disagree; SD=Strongly Disagree | | | | | | |
| 26 | Buffer1 | SA | A | N | D | SD | Buffer2 |
| 27 | 22.50% | 35% | 35% | 15% | 8% | 7% | 77.50% |
| 28 | 25.00% | 60% | 10% | 10% | 10% | 10% | 75.00% |
| 29 | 27.50% | 40% | 30% | 5% | 15% | 10% | 72.50% |
| | B27 =Sum (Right of Center) | | | | H27 =Compliment of Buffer1 | | |
| | B27 =100%-C27-D27-E27/2 | | | | H27 =100%-B27 | | |



URL locations for Results, Slides and Data Input**BOTH EVEN AND ODD NUMBER OF CHOICES:**Results: www.statlit.org/pdf/Excel2013-Bar-Chart-Ordinal-Centered-Both-Output.pdf**EVEN NUMBER OF CHOICES**Results www.StatLit.org/pdf/Excel2013-Bar-Chart-Ordinal-Centered-Even-Output.pdfSlides www.StatLit.org/pdf/Excel2013-Bar-Chart-Ordinal-Centered-Even-Slides.pdfData www.StatLit.org/xls/Excel2013-Bar-Chart-Ordinal-Centered-Even-Data.xlsx**ODD NUMBER OF CHOICES**Results www.StatLit.org/pdf/Excel2013-Bar-Chart-Ordinal-Centered-Odd-Output.pdfSlides www.StatLit.org/pdf/Excel2013-Bar-Chart-Ordinal-Centered-Odd-Slides.pdfData www.StatLit.org/xls/Excel2013-Bar-Chart-Ordinal-Centered-Odd-Data.xlsx**References:**www.jstatsoft.org/v57/i05<http://stephanieevergreen.com/diverging-stacked-bars/>

Excel2013-Bar-Chart-Ordinal-Centered-Both-Output.pdf

Excel2013-Bar-Chart-Ordinal-Centered-Both-VOB-Output.xlsx

Schield