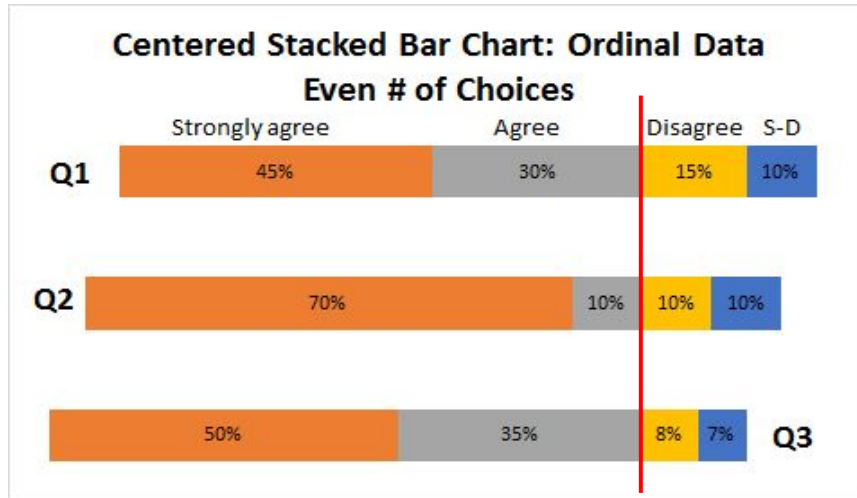
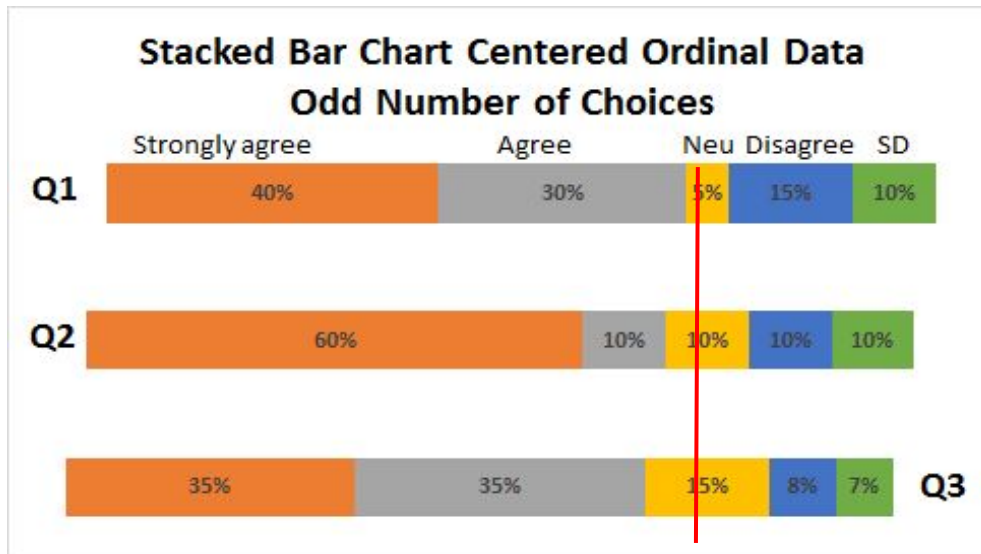


A	B	C	D	E	F	G
2	<b>EVEN # OF CHOICES</b>					
3	SA=Strongly Agree; A=Agree; D=Disagree; SD=Strongly Disagree. No Neutral					
4	Buffer1	SA	A	D	SD	Buffer2
5	15%	50%	35%	8%	7%	85%
6	20%	70%	10%	10%	10%	80%
7	25%	45%	30%	15%	10%	75%
8	B5 =100%-(C5+D5)			G5 =1-B5		



A	B	C	D	E	F	G	H
24	<b>ODD NUMBER OF CHOICES</b>						
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](http://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.pdf](http://www.StatLit.org/pdf/Excel2013-Bar-Chart-Ordinal-Centered-Even-Output.pdf)Slides [www.StatLit.org/pdf/Excel2013-Bar-Chart-Ordinal-Centered-Even-Slides.pdf](http://www.StatLit.org/pdf/Excel2013-Bar-Chart-Ordinal-Centered-Even-Slides.pdf)Data [www.StatLit.org/xls/Excel2013-Bar-Chart-Ordinal-Centered-Even-Data.xlsx](http://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.pdf](http://www.StatLit.org/pdf/Excel2013-Bar-Chart-Ordinal-Centered-Odd-Output.pdf)Slides [www.StatLit.org/pdf/Excel2013-Bar-Chart-Ordinal-Centered-Odd-Slides.pdf](http://www.StatLit.org/pdf/Excel2013-Bar-Chart-Ordinal-Centered-Odd-Slides.pdf)Data [www.StatLit.org/xls/Excel2013-Bar-Chart-Ordinal-Centered-Odd-Data.xlsx](http://www.StatLit.org/xls/Excel2013-Bar-Chart-Ordinal-Centered-Odd-Data.xlsx)**References:**[www.jstatsoft.org/v57/i05](http://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

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