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6	1973	3:00	4	1		4	Indie		-				_	-	_		
-	1978	6:05	4	1		5	Acoustic		_				_	_			
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12	1995	4:15	4	2									_	-	_		
13	1985	3:00	9	2		-								-	-	-	
14	2010	4:38	/	2					-		-		-	-	_		
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10	1988	3:33	9	4					-						_		
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After opening up the Excel playlist file, highlight the year, length an frequency cells of ONLY genre 1. Year, length, and frequency will become the x-axis, y-axis, and bubble size respectively.



Click on the "Charts" thumbnail and then click on the "Bubble" plot style.



Notice the appearance of bubbles. They are obviously all the same size because all of the songs had the same play frequency. Click on one of the blue bubbles, go to the "Chart Layout" thumbnail, click on the "Fill" drop down menu and finally click on "Fill Effects..."



The "Format Data Series" window opens. Highlight "Fill" and then click on "Color: Automatic". A brighter shade of blue is selected.



Drag the "Transparency" slider until it reads "50%". Notice that the bubble has some transparent quality now. This will make it easier to see other bubbles underneath when we do subsequent overlays.

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2			*	à G.	
1	Home	Layo	ut Ta	bles	Charts SmartArt Formulas Data Review
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2		[m]:ss			Select Data Source
3	1978	3:28	4	1	
4	1993	3:08	5	1	
5	1982	3:57	4	1	Chart data range: =Sheet2!SAS3:SCS11
6	1973	3:00	4	1	
7	1978	6:05	4	1	
8	1973	5:11	4	1	
9	2011	3:19	4	1	
10	1997	4:00	4	1	Switch Row/Column
11	2005	3:39	4	1	
12	1995	4:13	4	2	
10	1985	3:00	9	2	1 at 1
14	2010	4:38	/	2	Series Name: SI Rock
15	1987	3:45	9	2	
17	1000	4.76	5	4	Series1 X values:Sheet2[SAS3:SAS11
18	2011	4.20	11	4	
19	2007	3-07	11	4	Y values: =Sheet2!\$B\$3:\$B\$11
20	2005	3.26	4	5	
21	1982	2:50	4	8	Sizes: =Sheet2ISCS3:SCS11
22	1979	3:56	5	9	Add 2nd
23	2009	4:55	4	9	Category (X) axis labels:
24					
25	7:12				Hidden and Empty Cells
26	6.20				
2.7	6:29				Show empty cells as: Gaps ÷
28	5:46		-		
29	5:02			-	Show data in hidden rows and columns
30	4:19				
31	3:36	-			
32	3.63		- 8		Cancel OK
33	2:53		0-		
34	2:10				
36	1:26				
37	0:43				
38	0:00				
39	1960	1970	1980	1990 200	2010 2020
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Rename "Series1" as "Rock" and then click on "Add" to add an overlay.

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4	1993	3:08	5	1											
5	1982	3:57	4	1	Charles I.										
6	1973	3:00	4	1	Chart data	range:									
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8	1973	5:11	4	1	is selected, it will	is selected, it will replace all of the series on the Series Panel. Switch Row/Column									
9	2011	3:19	4	1											
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13	1985	3:00	9	2											
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16	1988	3:53	9	2	Rock	Vuoluee									
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Rename "Series2" as "Country" and then click on the "X values" icon.



As you've done in previous Galleries, highlight the cells that you want to use as the X values of the Country series. Notice you only highlight the years that pertain to genre 2, which has been defined as Country. Then click on the "Select Data Source" icon on the far right.

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4	1993	3:08	5	1										
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8	1973	5:11	4	1	is selecte	ed, it will replace	e all of the series on the	Series Panel.						
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10	1997	4:00	4	1		Switch Row/Column								
11	2005	3:39	4	1										
12	1995	4:13	4	2						-				
13	1985	3:00	9	2				12						
14	2010	4:38	7	2	Series		Name:	Country	<u>s</u>					
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16	1988	3:53	9	2	Rock		X values:	=Sheet2ISAS	12-SAS16					
17	1999	4:26	5	4	Country									
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Click on the "Y values" icon on the far right.



Select the song lengths that only pertain to genre 2. Then click on the "Select Data Source" icon on the far right.

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4	1993	3:08	5	1				
5	1982	3:57	4	1	Chart dat	range	₹.	
6	1973	3:00	4	1	Chart date	a range.		
7	1978	6:05	4	1	The Chart Data	Range is too complex to be displ	ayed. If a new Data Range	
8	1973	5:11	4	1	is selected, it wi	Il replace all of the series on the	Series Panel.	
9	2011	3:19	4	1				
10	1997	4:00	4	1		Switch Row/Column	1	
11	2005	3:39	4	1				
12	1995	4:13	4	2				
13	1985	3:00	9	2				
14	2010	4:38	7	2	Series	Name:	Country	1
15	1987	3:45	9	2	-			
16	1988	3:53	9	2	Rock	X values:	=Sheet2!\$A\$12:\$A\$16	N
1/	1999	4:26	5	4	Country			
18	2011	4:47	11	4	-	V values:	=Sheet2ISRS12-SRS16	
19	2007	3:07	11	4	-	i values.	-Silect2:50512.50510	
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21	1982	2:50	4	8	Add Remo	ove Sizes:	={1}	
22	1979	5:50	5	9			17	
24	2005	4.55	.4		-	Category (X) axis labels:		1.22
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26	7:12		-		Hidden and Empty Cells	i		
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29	5.02		-		C Channel and the base	deal and and and and		
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36	1:20							
37	0:43							
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39	1960	1970	1980 1	990 2000	2010 2020			
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Now you add the bubble size dimensions by clicking on the "Sizes:" icon on the far right.



Highlight the frequency cells for only genre 2. This will assign a size to each bubble. Click on the "Select Data Source" icon on the far right. The rest of the Gallery slides will be a repeat adding subsequent overlays of each genre.



Click on one of the red bubbles. Now we'll change it to a brighter red and 50% transparent. Go back to your "Format" thumbnail, click on the "Fill" drop down menu and select "Fill Effects..."



Change your color to a brighter red and then change the transparency to 50%.

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3	1978	3:28	4	1		
4	1993	3:08	5	1		
5	1982	3:57	4	1	Chart data range:	
6	1973	3:00	4	1	The Chart Data Range is too complex to be displayed if a new Data Range	
7	1978	6:05	4	1	is selected, it will replace all of the series on the Series Panel	
8	1973	5:11	4	1	is selected, it will replace all of the series on the series ranei.	
9	2011	3:19	4	1	Switch Pow/Column	
10	1997	4:00	4	1	Switch Kowy Column	
11	2005	3:39	4	1		
12	1995	4:13	4	2		
13	1985	3:00	9	2		-
14	2010	4:38	7	2	Series Name: 210 1	
15	1987	3:45	9	2	Pack Ord	
16	1988	3:53	9	2	X values: 310	
17	1999	4:26	5	4	Ath	5
18	2011	4:47	11	4	Y values: 4 ⁴¹ ={1}	
19	2007	3:07	11	4	Eth Eth	
20	2005	3:26	4	5	Sizes: 5 ⁽¹⁾ ={1}	*
21	1982	2:50	4	8	Add 1st /e	
22	1979	3:50	5	9	Category (X) axis labels:	100
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35	-288:0	0				
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A third genre is now overlayed. As has been done many times before, click "Add", rename your "Series3" to "Indie", one by one go through the select data cell highlighting and addition processes for your "X values", "Y values", and "Size" ONLY for the next genre on your Excel list.



Clicking on a green circle will show you the cells that were used to display the "Indie" genre. You should alter the green color and make them more transparent.

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2		[m]:ss											-		
3	1978	3:28	4	1											
4	1993	3:08	5	1		Chart data range:									
5	1982	3:57	4	1											
6	1973	3:00	4	1		The	chart Data H	l replace all of	the series on	the Series Do	new Data Rai	nge			
1	1978	6:05	4	1		15 50	elected, it will	replace all of	ule series on	the series Pa	iter.				
8	1973	5:11	4	1				Curit	ch Row/Colu	uma n					
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11	1997	4:00	4	1											
12	2005	3:39	4	1									-		
12	1995	2.00	4	2		Caulas		A la series							
14	2010	4-29	7	2		Series		Name:	2 ⁿ	Id Acous	tic				
15	1097	3-45	0	2		Pock				1		1	1		
16	1988	3.45	9	2		Country		X valu	es: 3r	d =Shee	t2!\$A\$20				
17	1999	4:26	5	4		India				h			1		
18	2011	4.47	11	4		Acoustic		Y valu	es: 4 0	=Shee	t2!\$B\$20				
19	2007	3:07	11	4		Acoustic			 +	h					
20	2005	3:26	4	5		h d d	1 of	Sizes:	5"	=Shee	t2!\$C\$20				
21	1982	2:50	4	8		Add		ve							
22	1979	3:56	5	9				Catego	ory (X) axis lab	els:		ĸ			
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30	4:19		-									-			
31	3:36	-		11	1						Cancel	OK			
22	3.62	6	1												
34	2:33	0					320						1		
35	2:10					Acoust	1C								
36	1:26														
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39	1960	1970	1980 1	990 200	0 2010	2020									
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Overlay the next genre. "Add" and rename as "Acoustic". Using ONLY genre 5, one by one highlight and add your "X values", "Y values", and "Size". A purple bubble now appears.



Click on a purple bubble and it will display which data cells were used. Also you can alter the purple color and make it more transparent.

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1	1978	6:05	4	1		is sele	cteu, it will repla	ice all of the ser	les on the S	eries Pariei.		
8	1973	5:11	4	1				Switch Boy	Column			
9	2011	3:19	4	1				SWITCH KOV	v/commi			
10	1997	4:00	4	1								
12	2005	3:39	4									
12	1995	4:13	4	2		Farrier		Manager		Mould		
14	2010	4-39	7	2		series		Name.		world		
15	1987	3-45	9	2		Country						
16	1988	3.45	9	2		India		X values:		=Sheet2!SAS	21	
17	1999	4.76	5	4		Acoustic				-		
18	2011	4:47	11	4		World		Y values:		=Sheet2!SBS	21	_
19	2007	3:07	11	4		world						
20	2005	3:26	4	5		Add	Domouro	Sizes:		=Sheet2!SCS	21	
21	1982	2:50	4	8		Add	Kemove					
22	1979	3:56	5	9				Category (X) a	xis labels:			<u>.</u>
23	2009	4:55	4	9								
24						Hidden and Er	mpty Cells					
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35	2:10					• World						
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The next genre, number 8, is overlayed. It was renamed "World".



Clicking on a teal colored circle shows that the proper X, Y and Size data were selected. You should further change its color some and make more transparent.



The last genre, number 9, is overlayed, and altered to be consistent with the previous overlays.



In this result, song length was deleted. Genre becomes the value for the Y axis. Frequency still remains the Size dimension. Each type of genre was done as a separate overlay so you get a different color for each genre. Is this representation better than Slide 21?