

playlist.xlsx

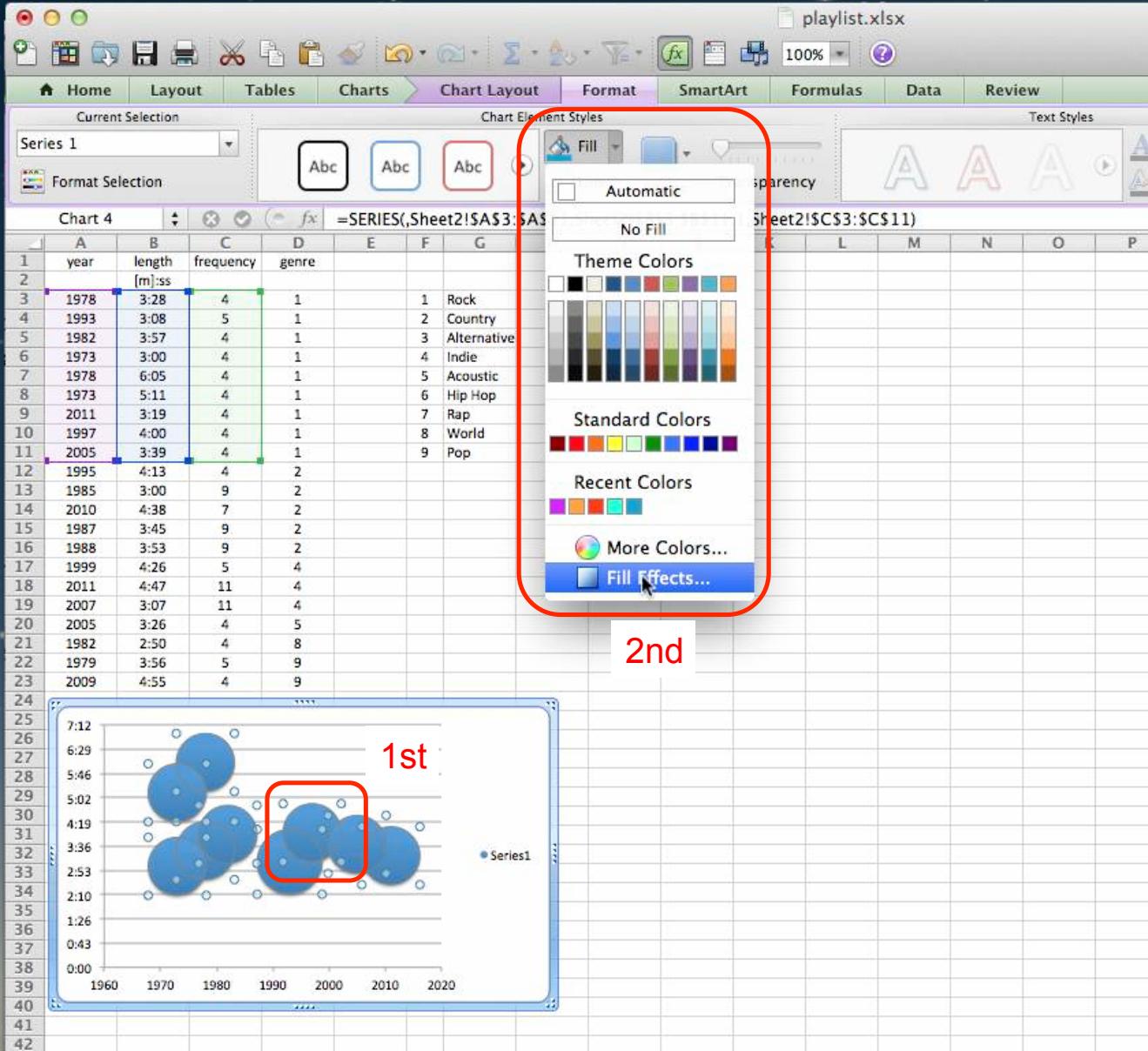
The screenshot shows an Excel spreadsheet titled "playlist.xlsx". The ribbon menu is visible at the top, and the formula bar shows "A3" and "1978". The main table has columns labeled A through P. Rows 1 and 2 serve as headers. Rows 3 through 11 are highlighted with a red border. Row 11 contains a formula: =IF(F3=1, G3, "+"). Row 12 is a blank row. To the right of the main table, there is a vertical list of genres corresponding to the values in column D:

Genre
Rock
Country
Alternative
Indie
Acoustic
Hip Hop
Rap
World
Pop

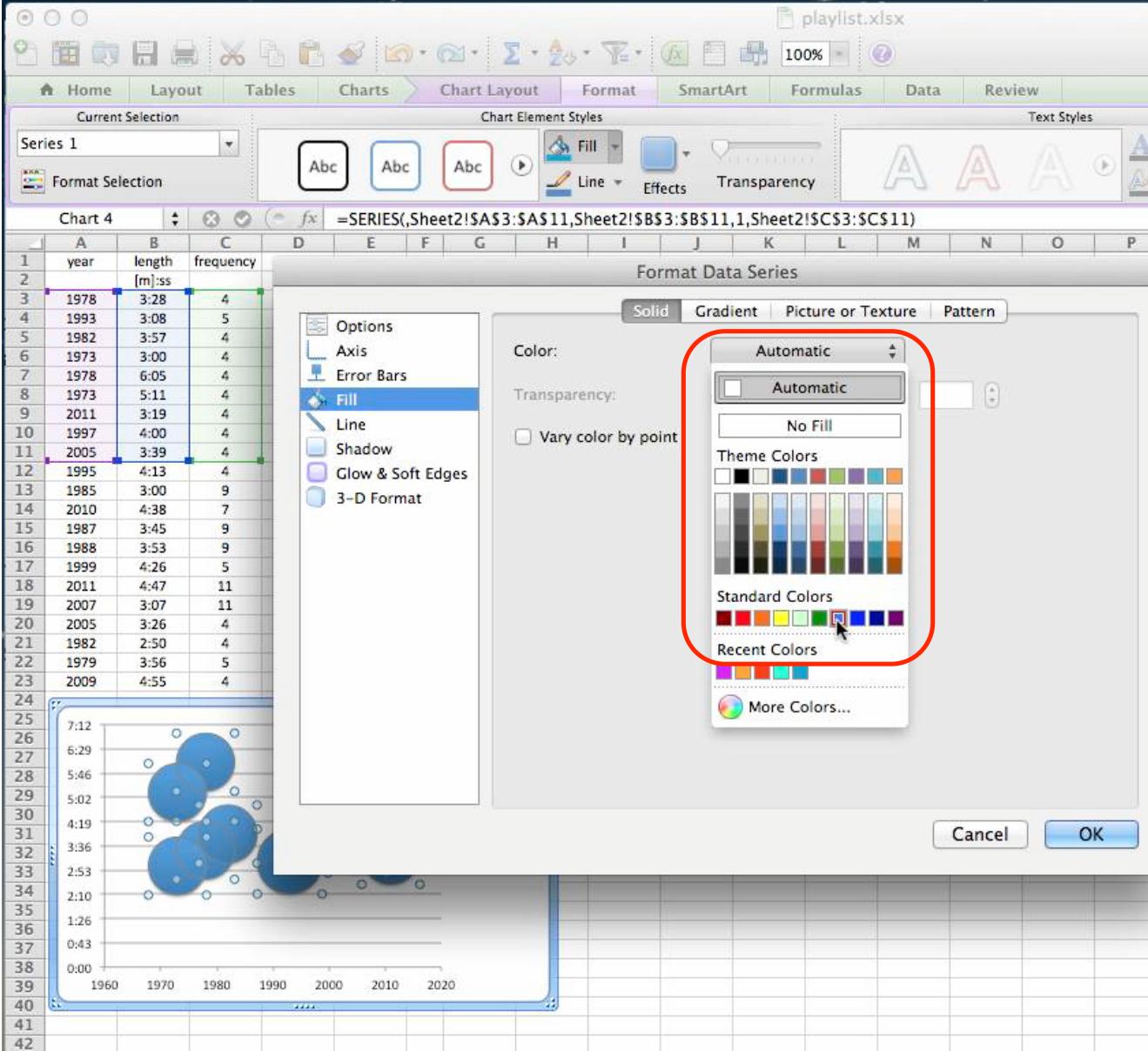
After opening up the Excel playlist file, highlight the year, length and frequency cells of ONLY genre 1. Year, length, and frequency will become the x-axis, y-axis, and bubble size respectively.

The screenshot shows the Microsoft Excel ribbon at the top with the 'Home', 'Layout', 'Tables', 'Charts', 'SmartArt', 'Formulas', 'Data', and 'Review' tabs. Below the ribbon, the 'Insert Chart' dialog box is open, showing various chart categories: Stock, Surface, Doughnut, Bubble, Radar, and Other. The 'Other' category is highlighted with a red box. In the 'Bubble' section, the 'Bubble' thumbnail is highlighted with a green border and a red box, indicating it is selected. The data range 'A3:P' is selected in the worksheet area.

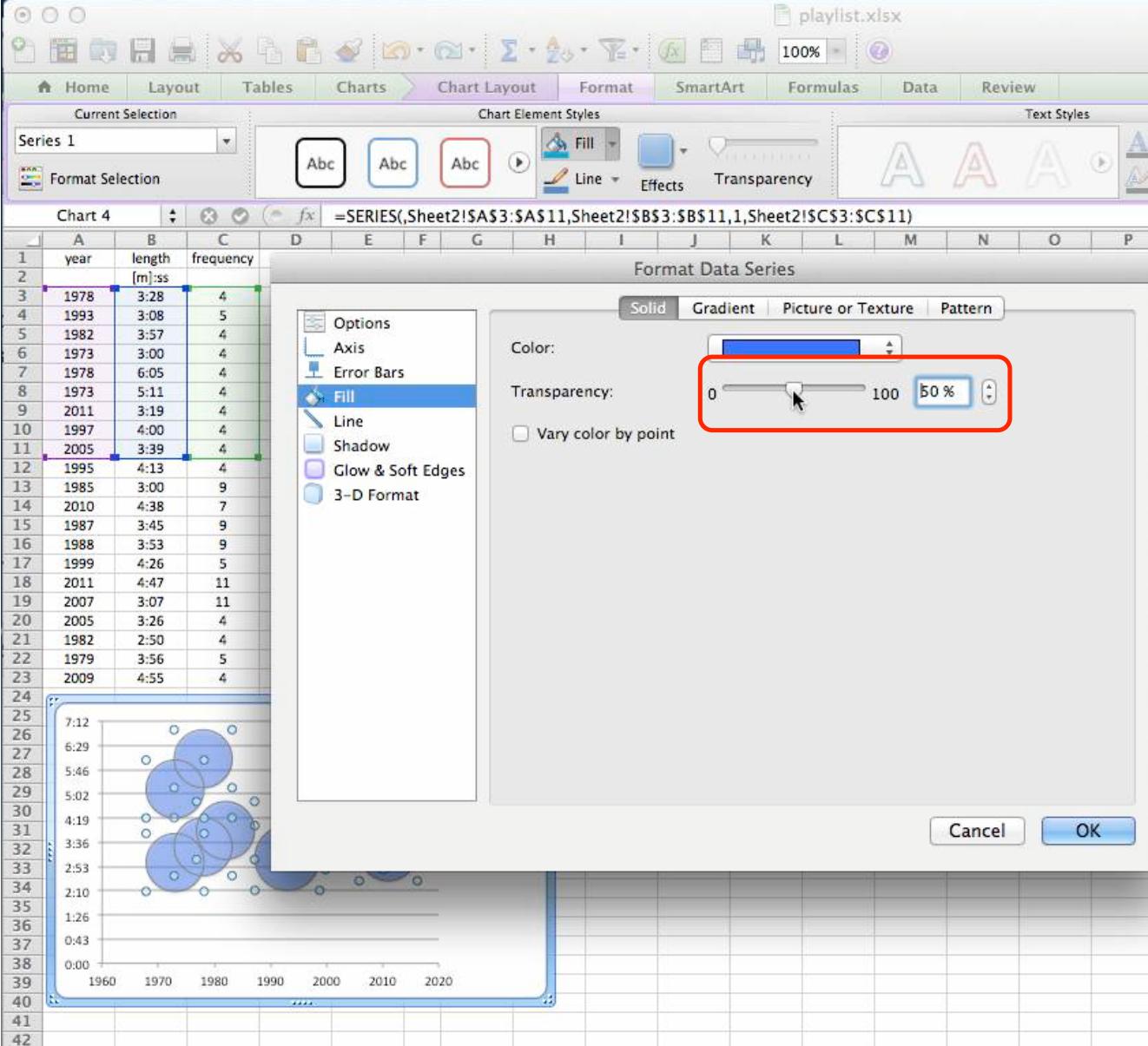
Click on the “Charts” thumbnail and then click on the “Bubble” plot style.



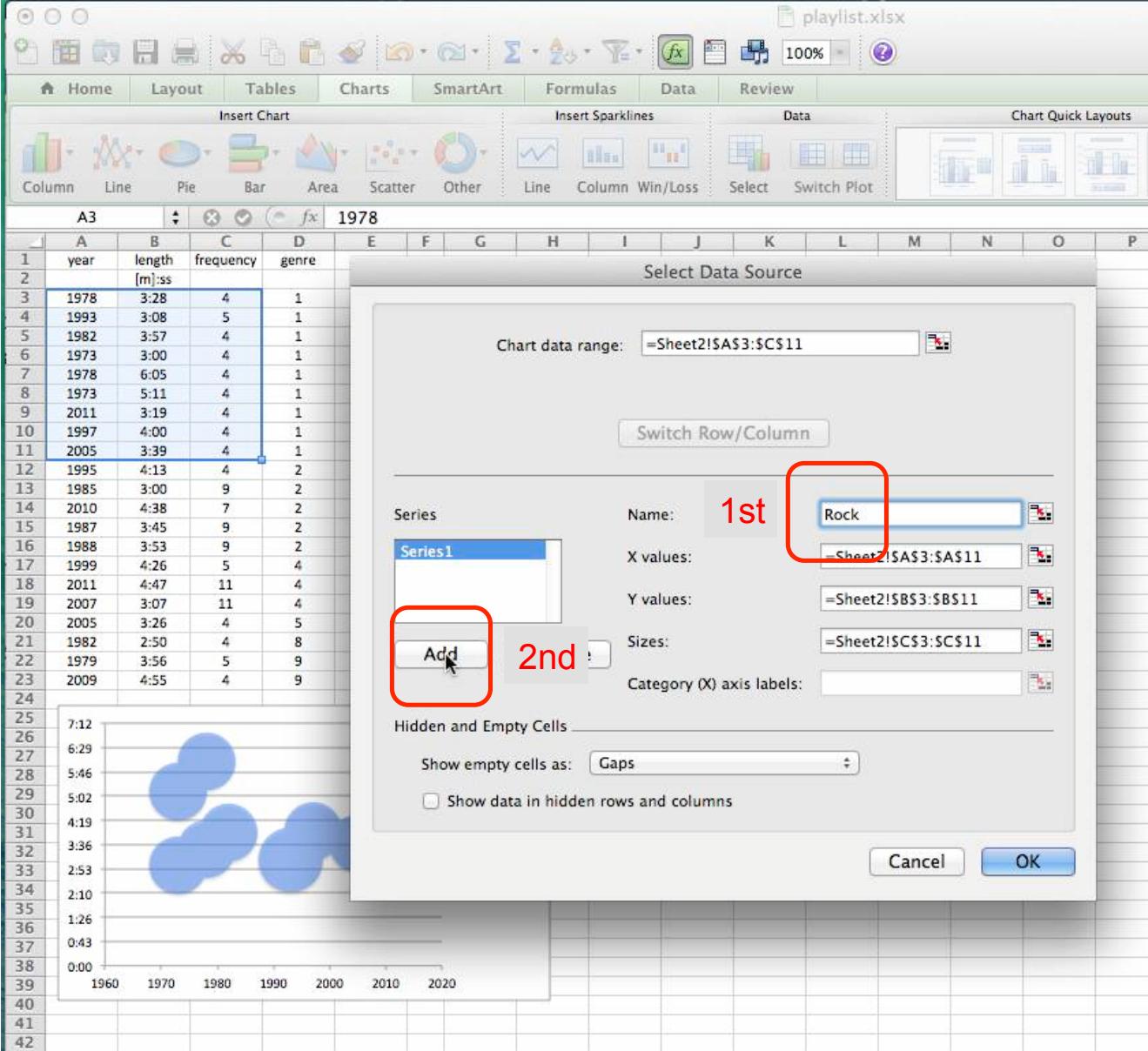
Notice the appearance of bubbles. They are obviously all the same size because all of the songs had the same play frequency. Click on one of the blue bubbles, go to the “Chart Layout” thumbnail, click on the “Fill” drop down menu and finally click on “Fill Effects...”



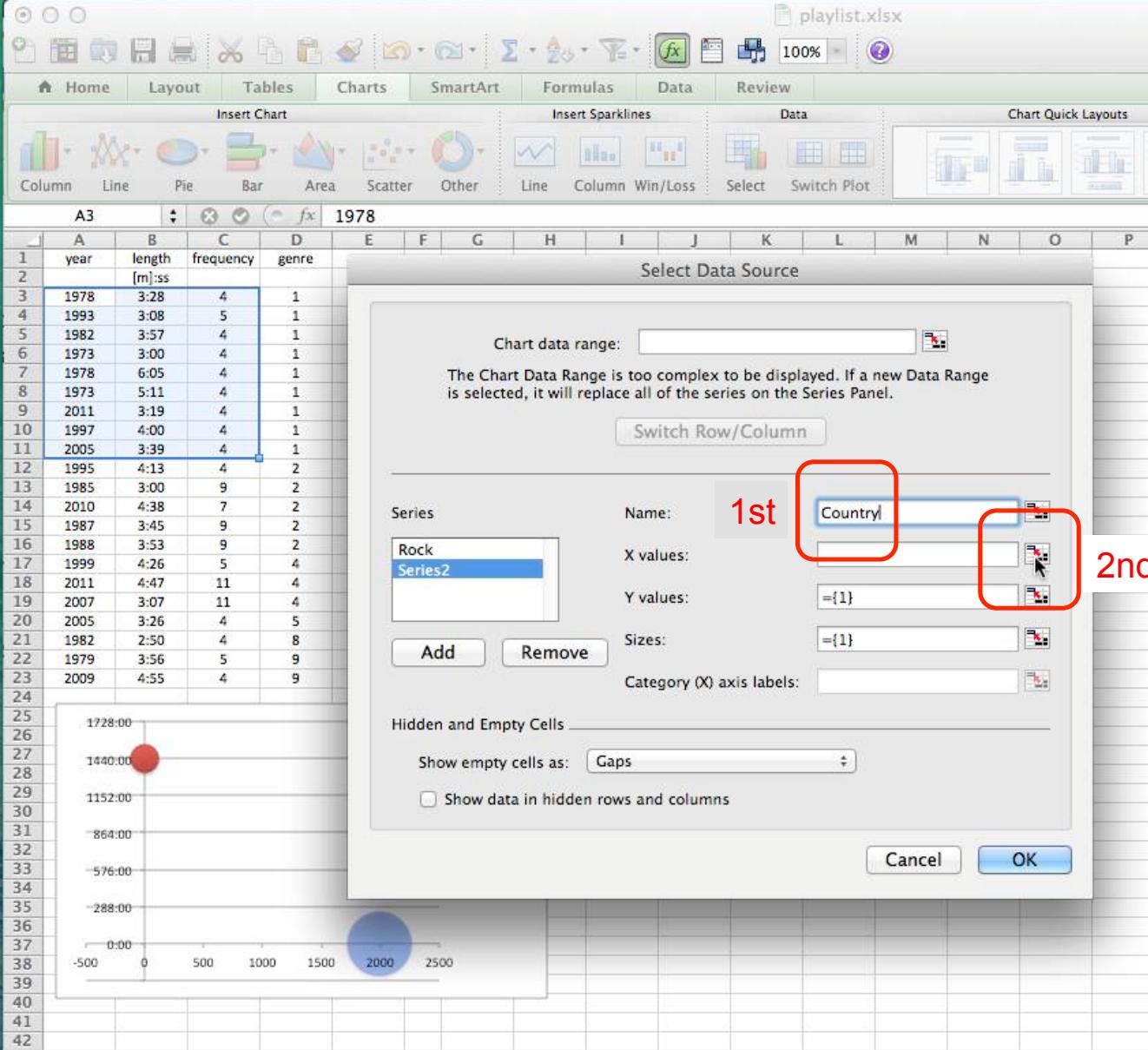
The “Format Data Series” window opens. Highlight “Fill” and then click on “Color: Automatic”. A brighter shade of blue is selected.



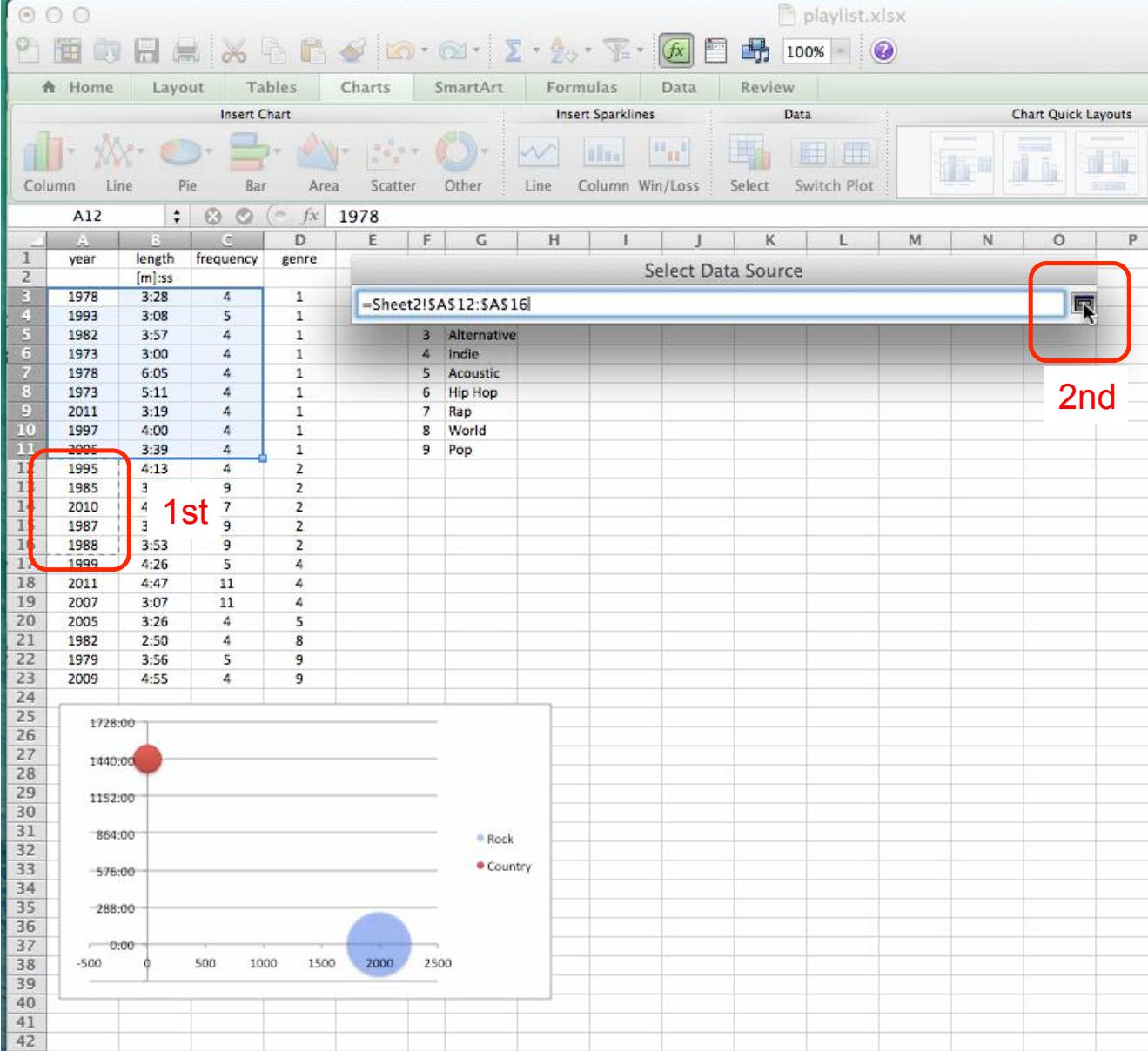
Drag the “Transparency” slider until it reads “50%”. Notice that the bubble has some transparent quality now. This will make it easier to see other bubbles underneath when we do subsequent overlays.



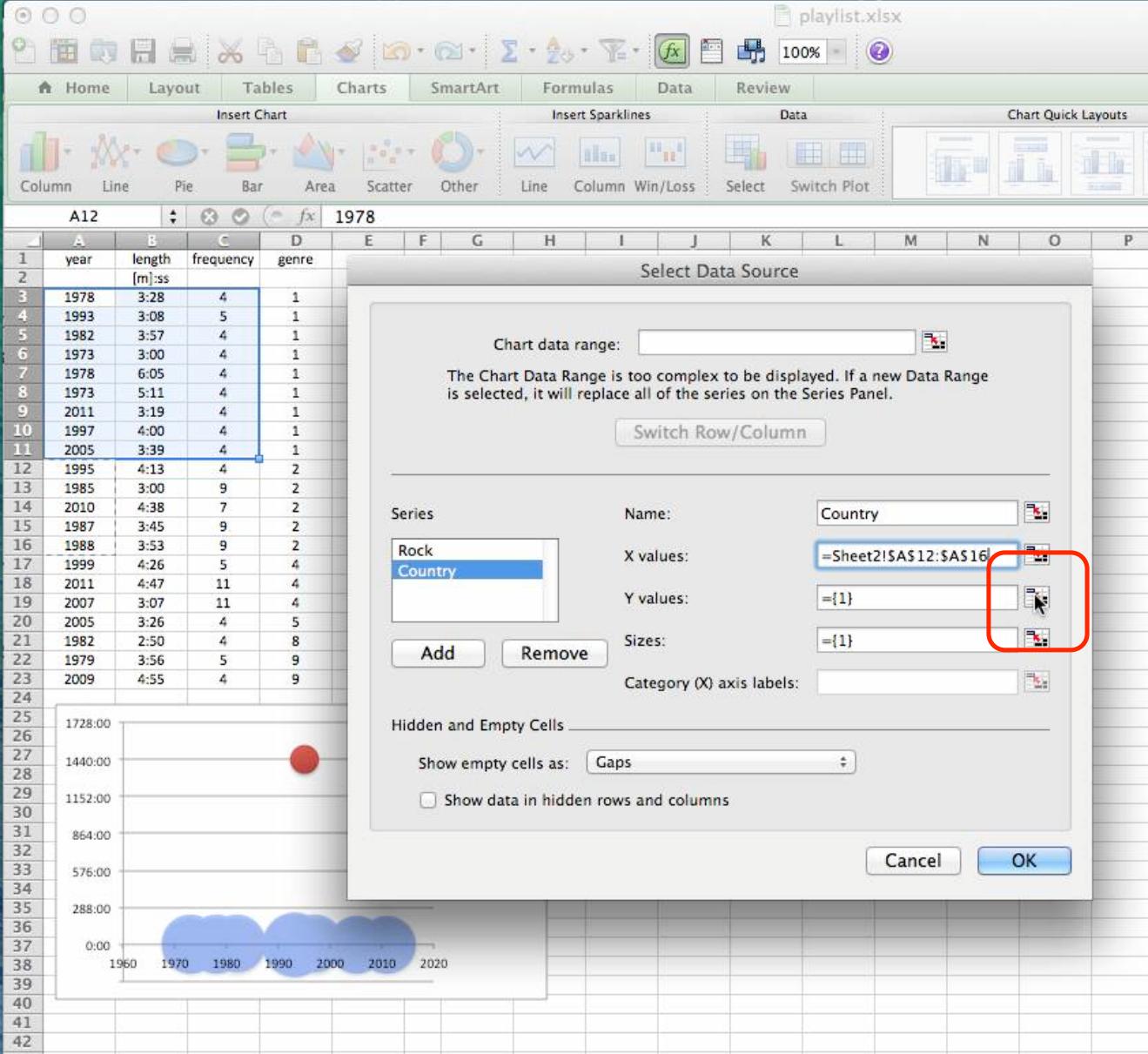
Rename “Series1” as “Rock” and then click on “Add” to add an overlay.



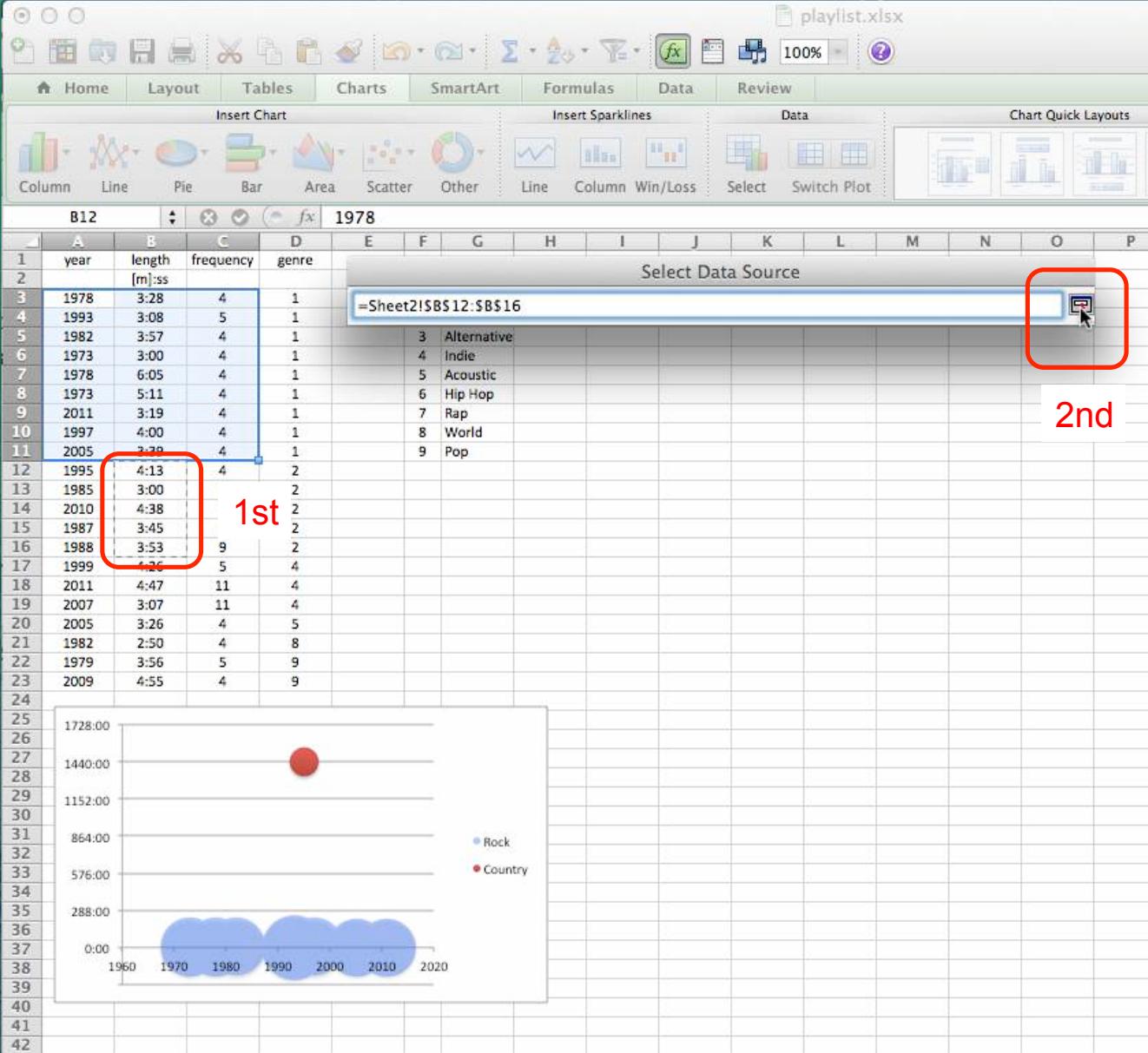
Rename “Series2” as “Country” and then click on the “X values” icon.



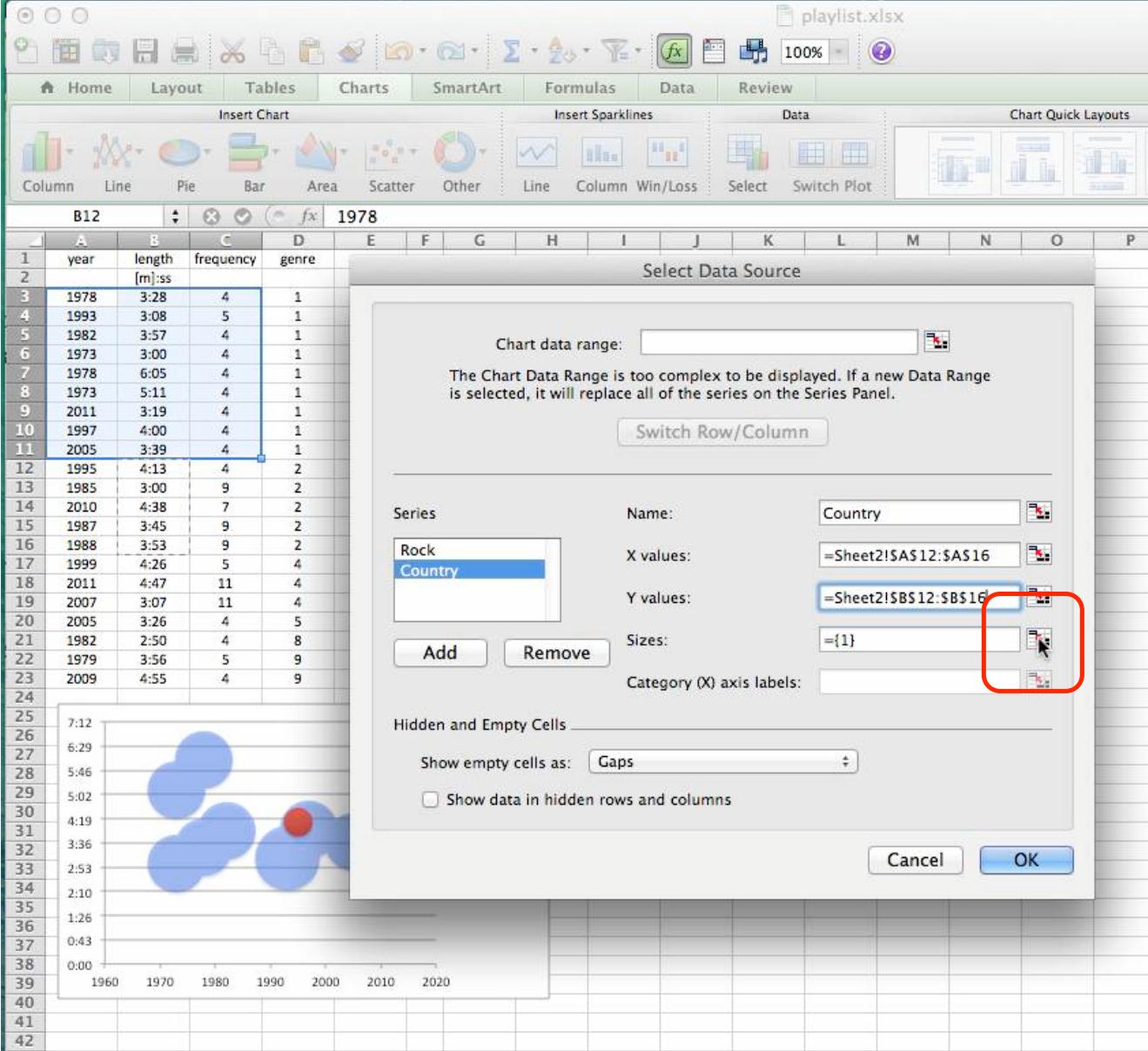
As you've done in previous Galleries, highlight the cells that you want to use as the X values of the Country series. Notice you only highlight the years that pertain to genre 2, which has been defined as Country. Then click on the "Select Data Source" icon on the far right.



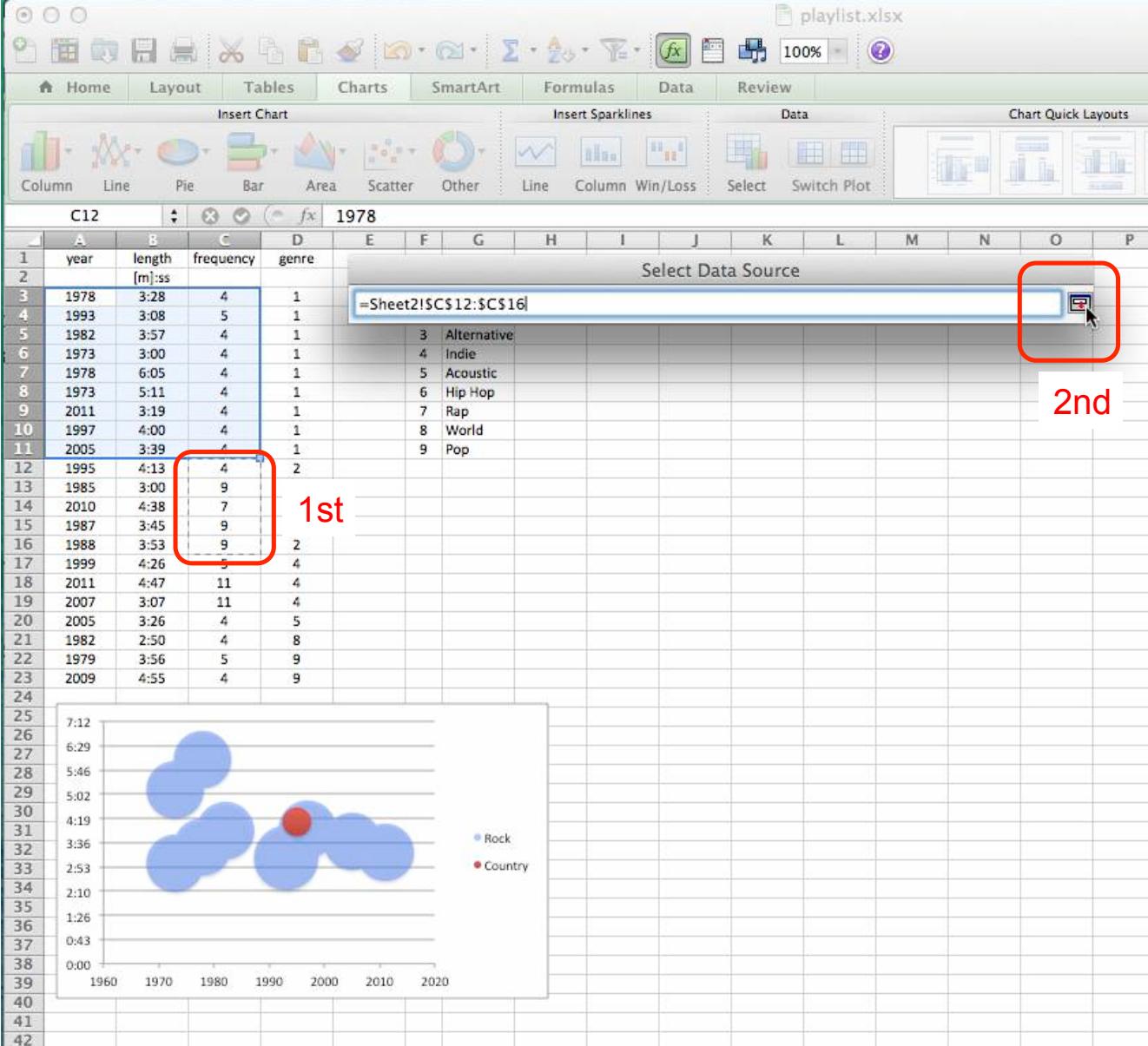
Click on the “Y values” icon on the far right.



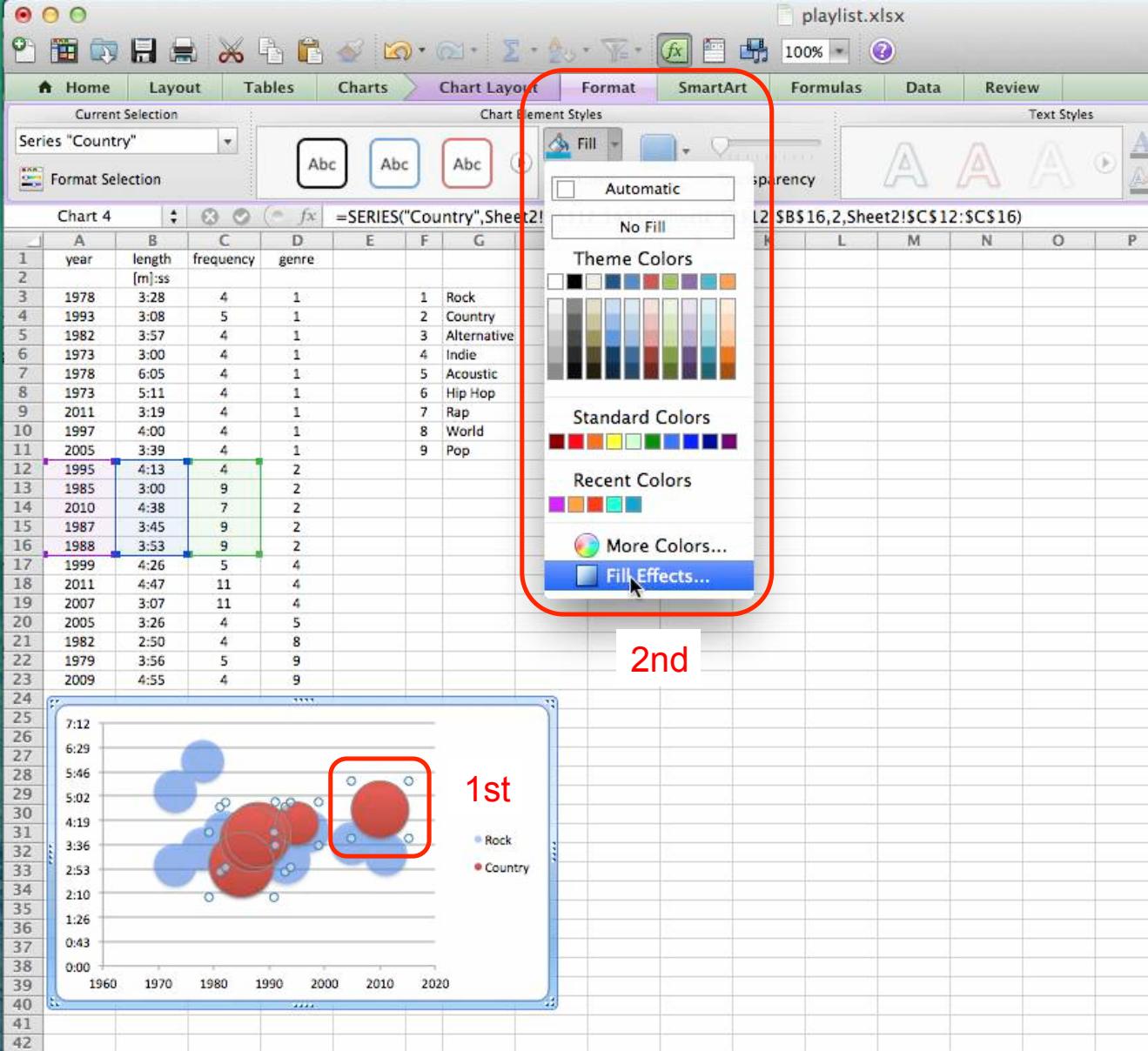
Select the song lengths that only pertain to genre 2. Then click on the “Select Data Source” icon on the far right.



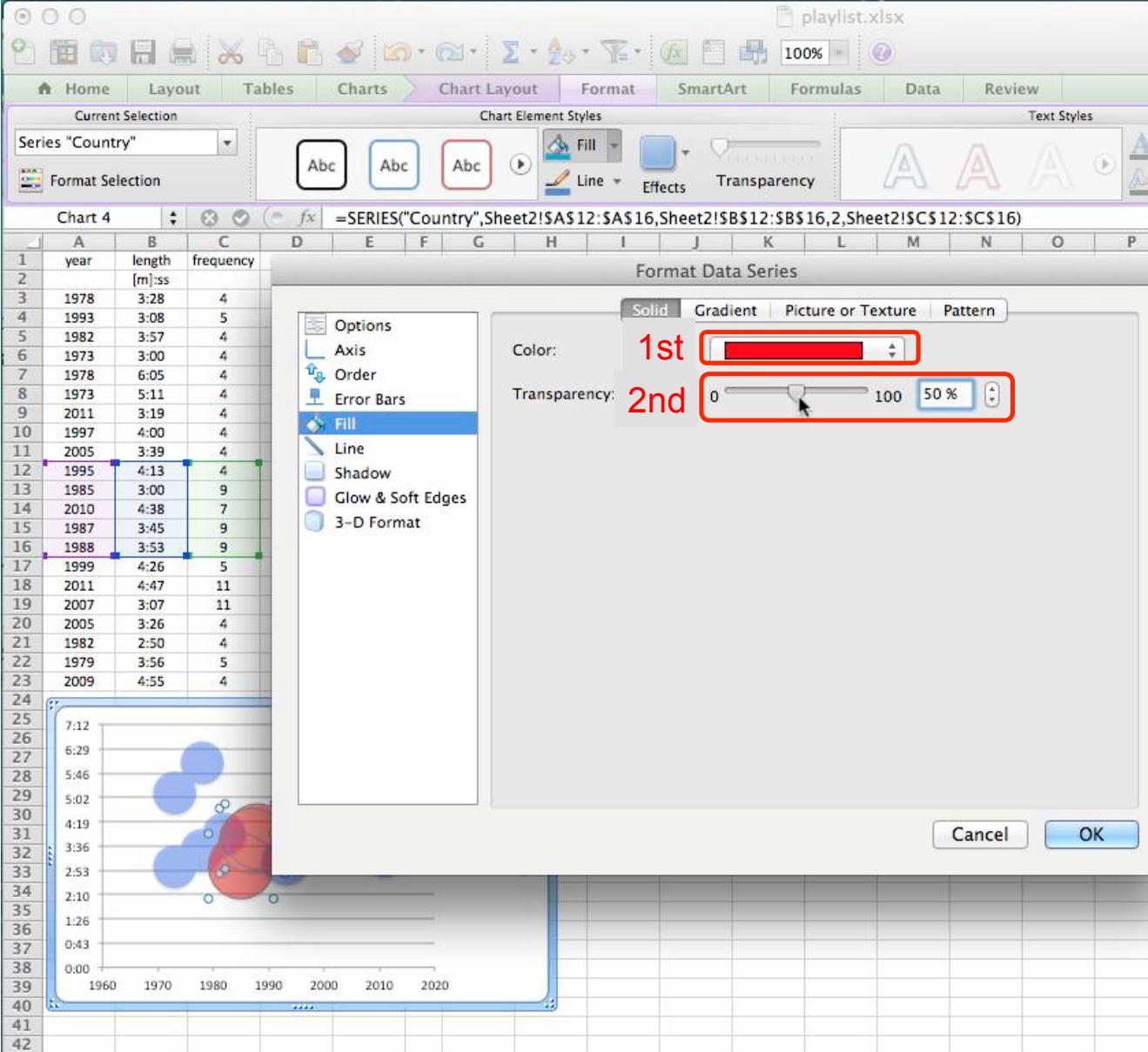
Now you add the bubble size dimensions by clicking on the “Sizes:” icon on the far right.



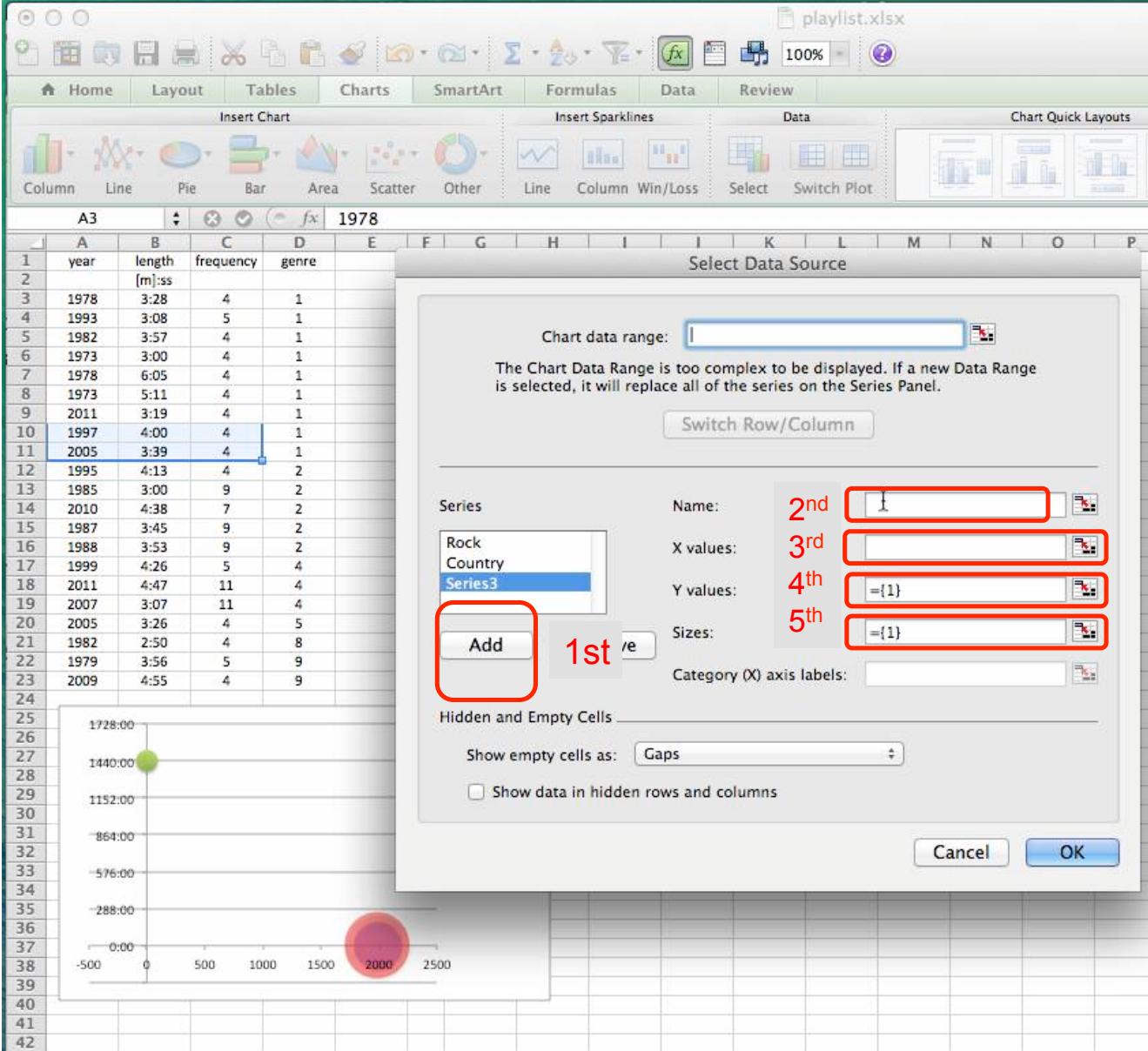
Highlight the frequency cells for only genre 2. This will assign a size to each bubble. Click on the "Select Data Source" icon on the far right. The rest of the Gallery slides will be a repeat adding subsequent overlays of each genre.



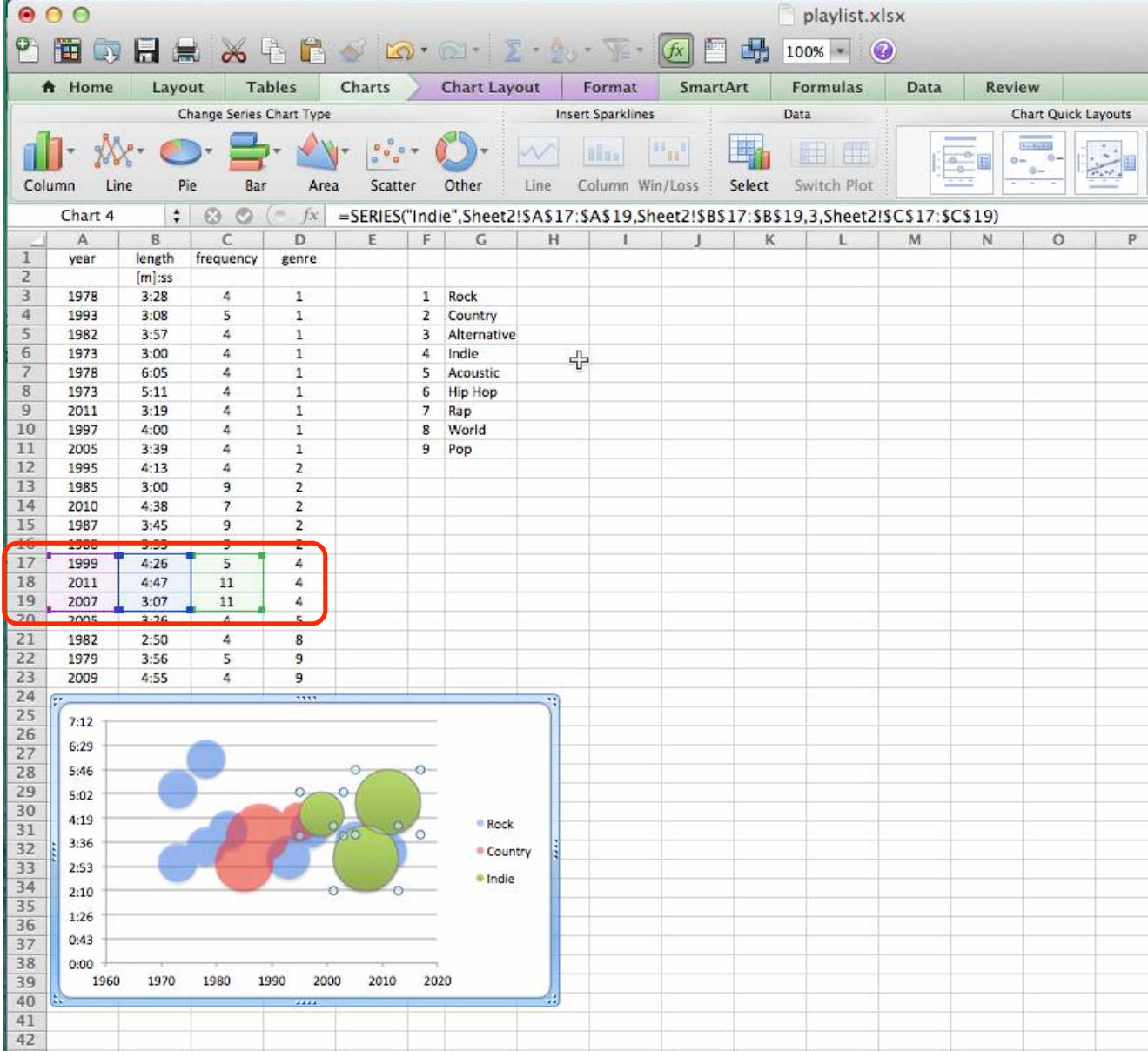
Click on one of the red bubbles. Now we'll change it to a brighter red and 50% transparent. Go back to your "Format" thumbnail, click on the "Fill" drop down menu and select "Fill Effects..."



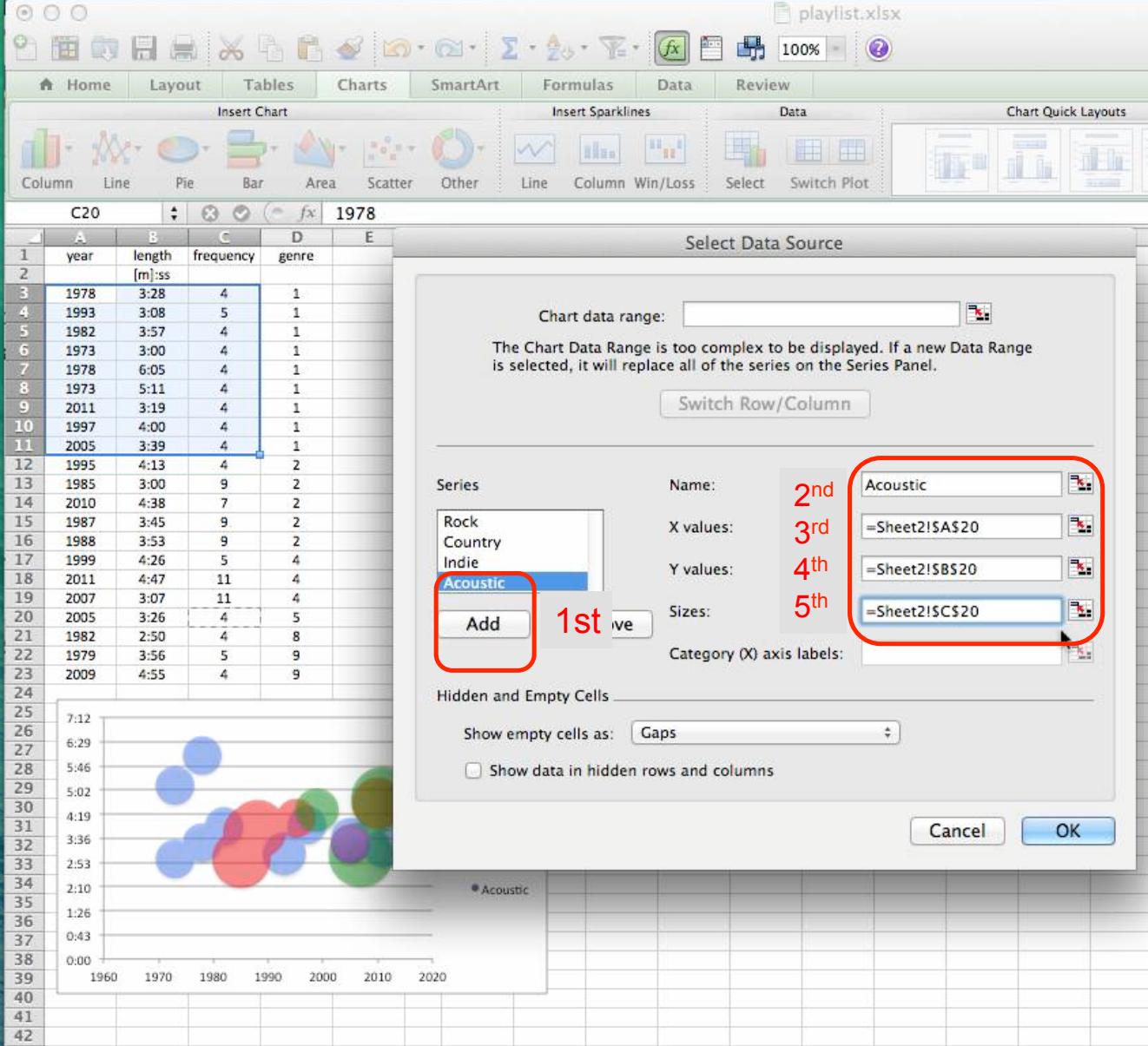
Change your color to a brighter red and then change the transparency to 50%.



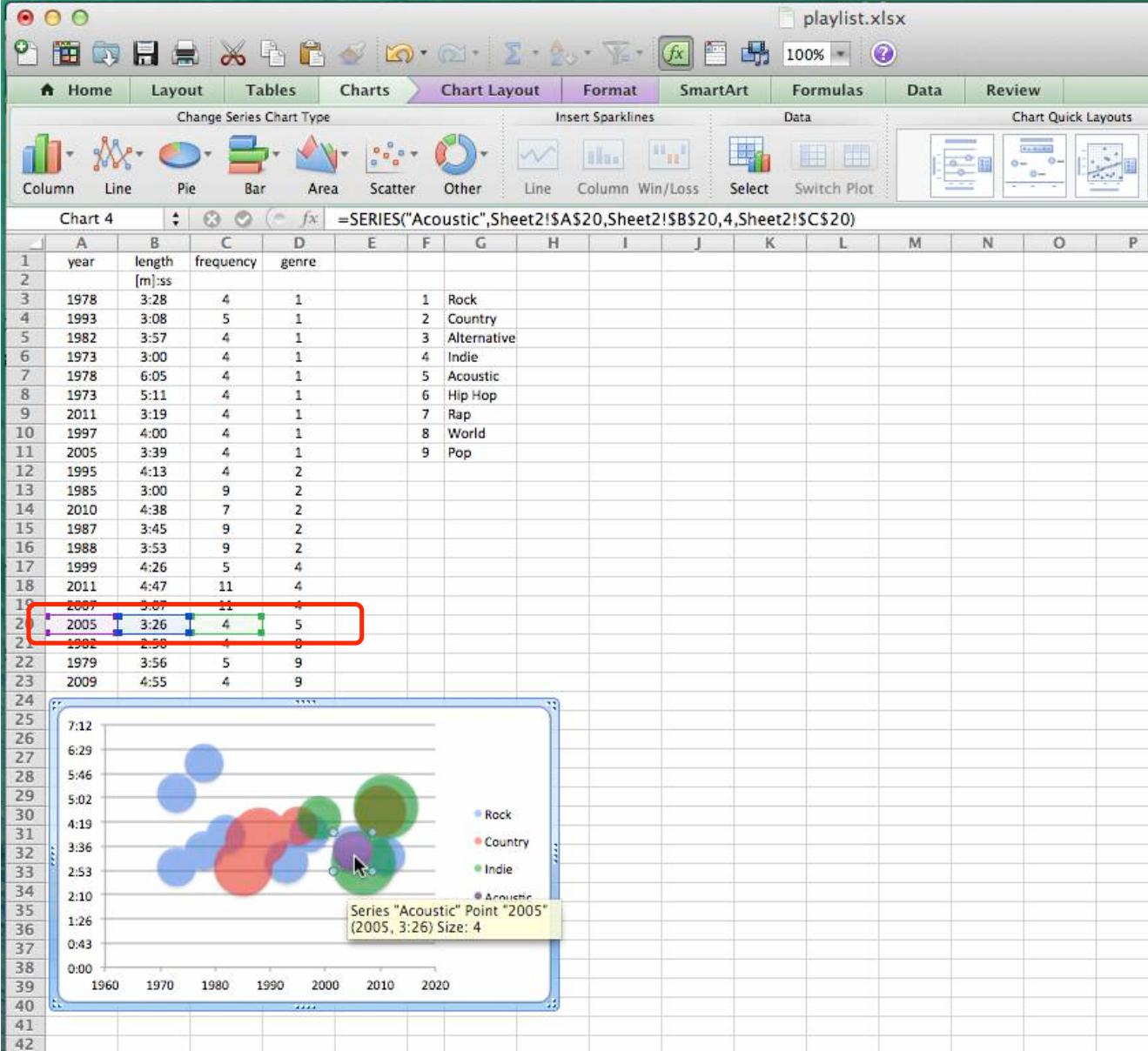
A third genre is now overlayed. As has been done many times before, click “Add”, rename your “Series3” to “Indie”, one by one go through the select data cell highlighting and addition processes for your “X values”, “Y values”, and “Size” ONLY for the next genre on your Excel list.



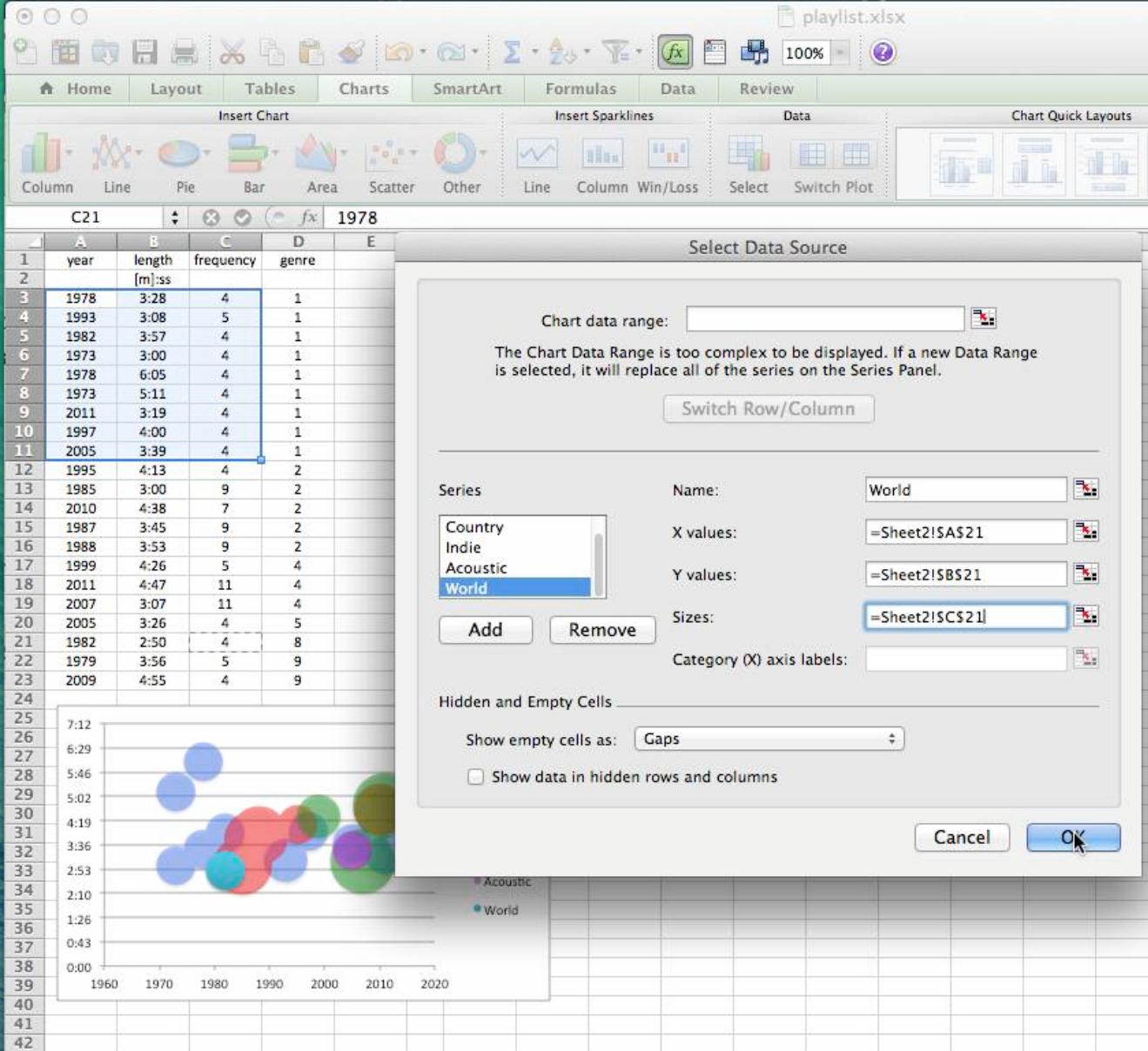
Clicking on a green circle will show you the cells that were used to display the “Indie” genre. You should alter the green color and make them more transparent.



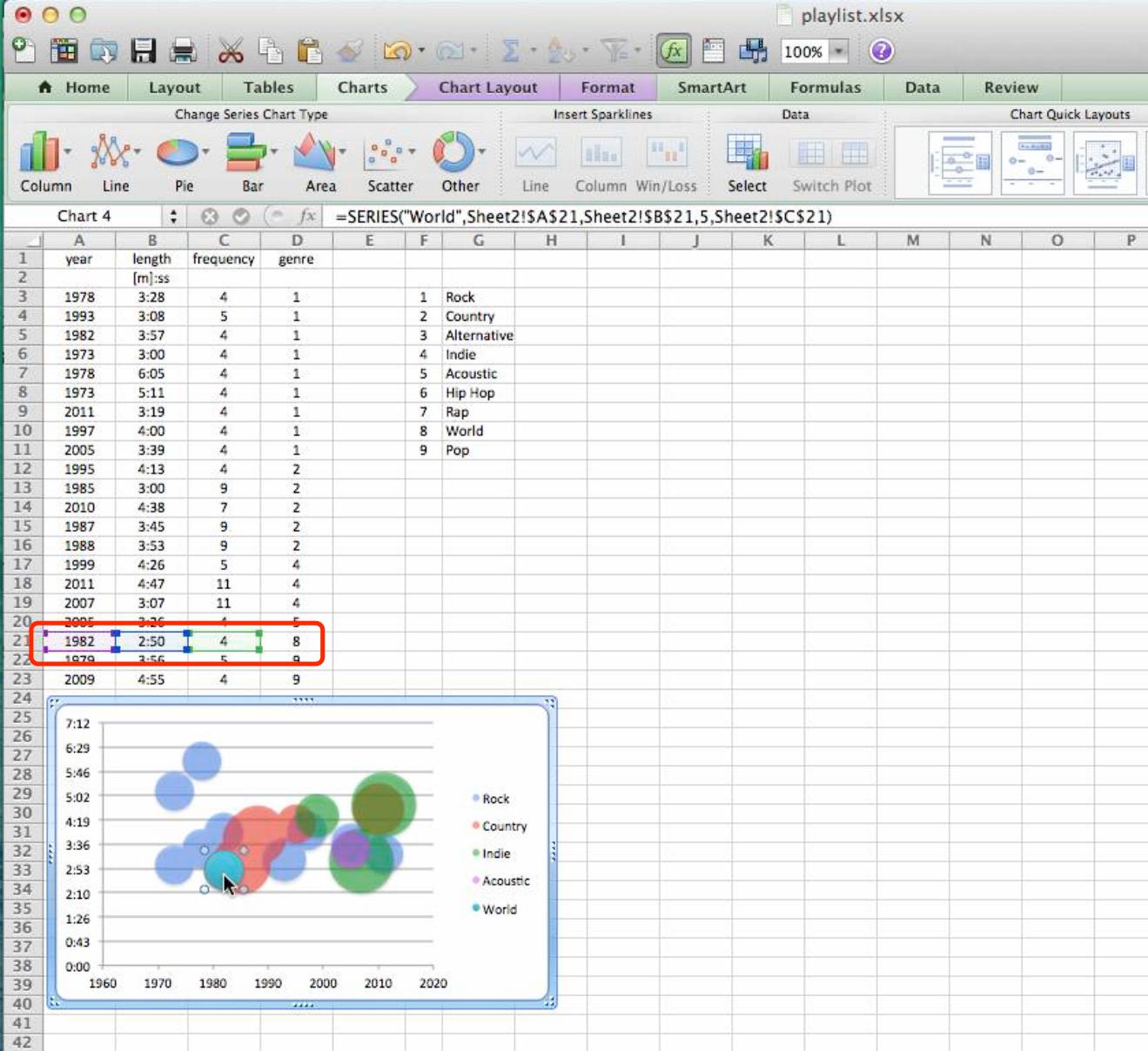
Overlay the next genre. “Add” and rename as “Acoustic”. Using ONLY genre 5, one by one highlight and add your “X values”, “Y values”, and “Size”. A purple bubble now appears.



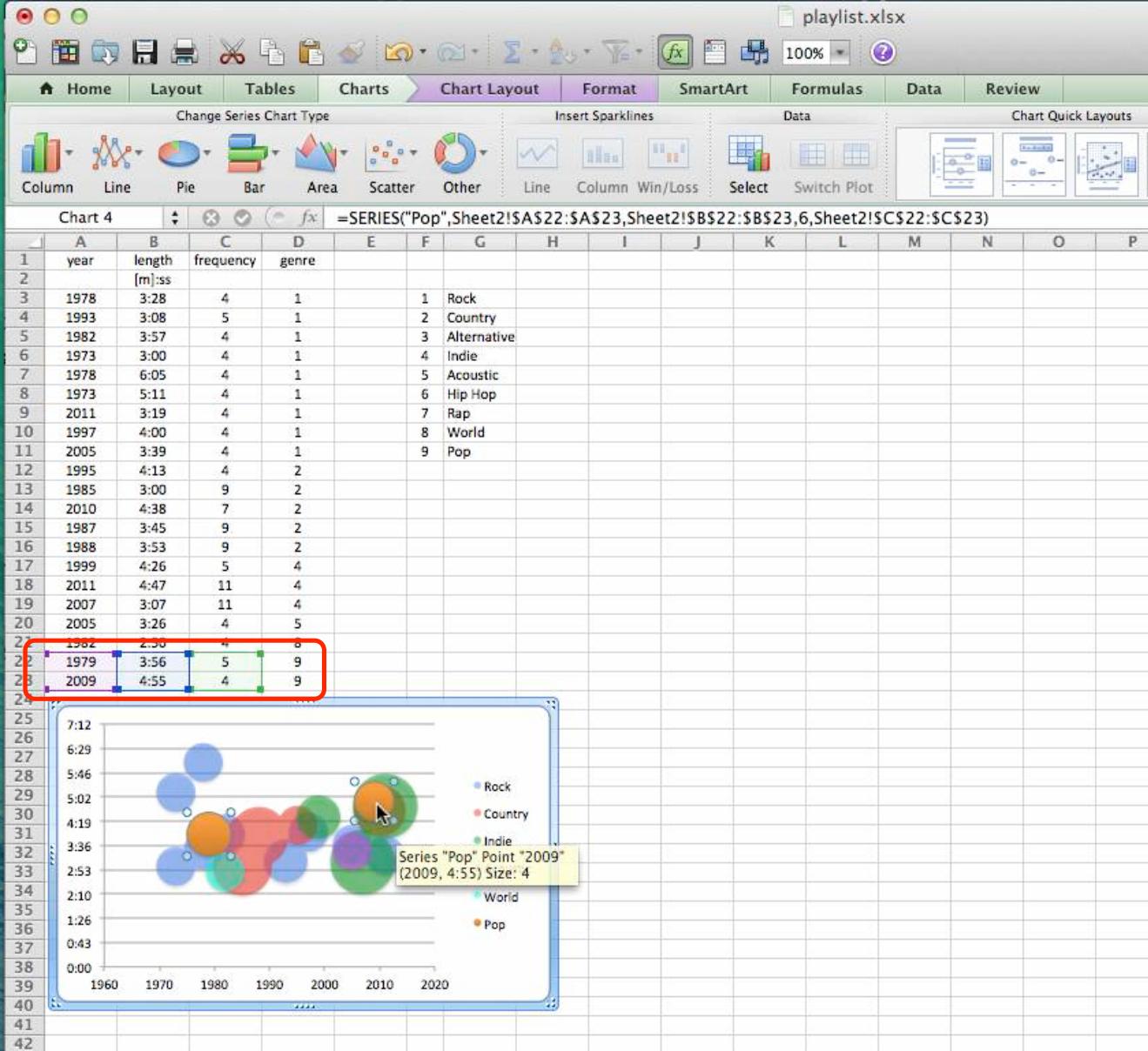
Click on a purple bubble and it will display which data cells were used. Also you can alter the purple color and make it more transparent.



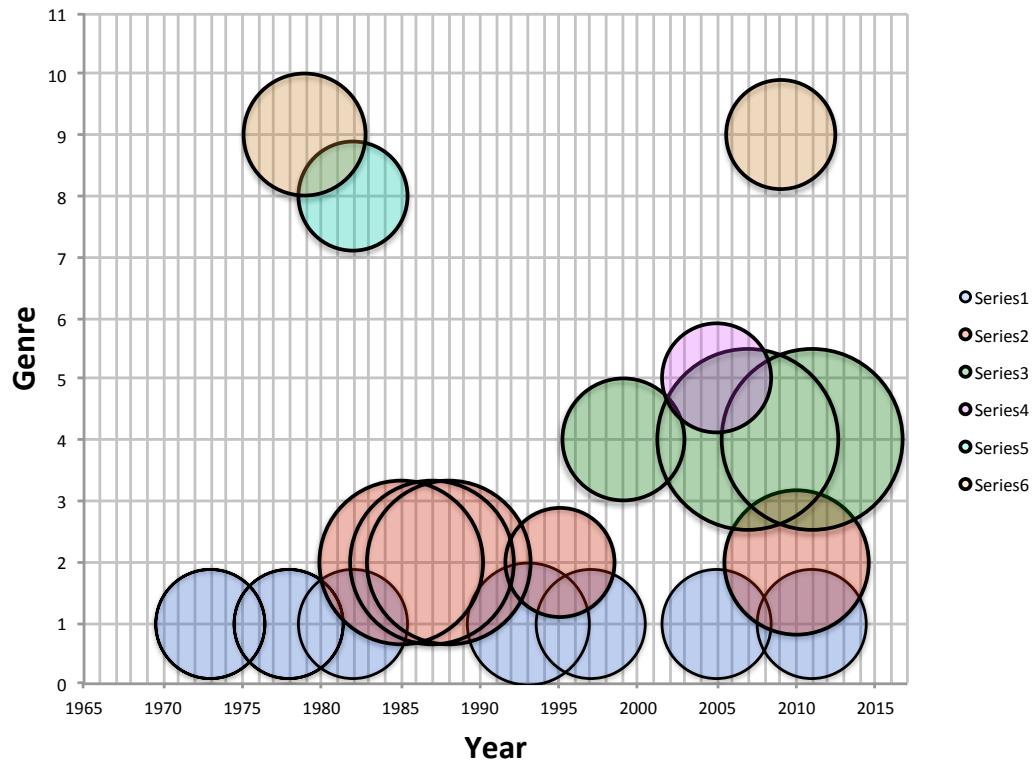
The next genre, number 8, is overlaid. It was renamed “World”.



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 overlaid, 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?