Conducting a spatial join in ArcGIS

1. Make sure data is clean
2. Select the option of Spatial Join in Analysis Tools (Analysis tools-overlay-spatial join)
	1. Select target features: dataset
	2. Select join features: Neighborhoods\_SC\_2012 feature class
	3. Output=joined data
		1. Have option of 1:1 join, keep all target features, intersects (default settings)
		2. Can also change parameters of the spatial join: one to many or within
		3. Click okay, have it build new feature class
3. In the attribute table of the new joined shapefile, you will see that each entry has a Neighborhood listed next to it.



To create a summary for the counts (of points) in each neighborhood:

1. With the attribute table open, highlight the Neighborhood field. Right click and select the “Summarize” option.
2. A dialog box will appear giving you the option to select a field to summarize. Simply select the Neighborhood field, choose the location and name for your output table. Make sure you save as a dBASE table (under file type).Click OK.
3. Voila: you have created a spreadsheet with the list of counts for the points each neighborhood. Save as an.xlsx file and you’ve got a table to join with your map.