

Amanda Avila  
*Are Your Stars Different?*

The purpose of my project is to see how many stars appear in the night sky, by observing from different locations and looking at different areas in the sky. Also, I hope to demonstrate that with the less lights you're around, the more stars you'll be able to see. My testable question is to see if the location affects the number of stars. My hypothesis is that there will be more visible stars farther out in the open than there will be closer to town. I think this because the lights will affect the stars that can be seen. When I go out in the open there will be more visible stars seen, than there will be in the town. Purchase a mailing tube about three inches wide. Then pick three locations in town and three in the country. Look up in the sky ten times each for each location. Write the data in the table and find the sum, divide the sum by 10 which will be the average count, and multiply the average count by 104. That will be the total visible count. The results I got were that in town there were more stars than I expected. I got pretty close to the stars in the country. My hypothesis was right. There were more stars in the country. This is helpful to people in an interesting way.