**Practice Exercise**

The Bootheel Region is one of the regions with high teenage pregnancy rates. As a result, a nonprofit organization in the Bootheel has gotten a grant to effectively promote Adolescent health and reduce teenage pregnancy and other associated risks. Answer the following questions, using the Women’s Reproductive Health Profile

1. What is the Teen Pregnancy rate Age 15-17 in the Bootheel region? **24.83**
2. How does this rate compare to the state rate? **Bootheel Region teen pregnancy rate is significantly higher than the state rate.**
3. The nonprofit organization want to start deciding on which of the six Bootheel counties to focus on to effectively allocate resources. It decides to allocate its funds to c counties that have teen pregnancy rates statistically significantly higher than the state rate. How would they go about finding those counties? (Hint: Counties that fall in the Bootheel Regional Planning Commission region are Dunklin County, Mississippi County, New Madrid County, Pemiscot County, Scott County, and Stoddard County. **To obtain the answer, using the state profile for Women’s Reproductive Health, select the Download Data option for the Teen pregnancy Rate Age 15-17. Once the Excel file opens, on the far right of the table there is a significantly different column. Scroll down to find which of the six counties highlighted above are significantly higher than the state. They are Dunklin County, Mississippi County, New Madrid County, Pemiscot County, and Scott County.**
4. Other than statistical significance, what other metric could they use to provide a general idea of how a particular county ranks for teen pregnancy compared to the rest of the counties in Missouri? **Quintile ranking or confidence intervals**
5. Which counties in the Bootheel region fall in the fifth quintile ranking? To obtain this answer, **using the state profile for Women’s Reproductive Health, select the Graphics option for the Teen pregnancy Rate Age 15-17. Then download the full version of Quintile Map, under Map Overlay on the left check the Show Data Table option, and from looking at the rank column, you should be able to tell which counties fall in the 5th quintile. They are Dunklin County, Mississippi County, New Madrid County, Pemiscot County, and Scott County.**
6. How has teenage pregnancy rate changed over time? **Using the RPC Region (Bootheel) profile for Women’s Reproductive Health, select Graphics and then download the full version of Trend Analysis Chart. The trend here shows a statistically significant decrease.**