Project 1

**Diabetes Prevalence in the Obesity Population and the Correlation to Population Density**

**Observations:**

1. scatter plot between 25th and 75th of populations density by sq mile.  
   plotting indicates a slightly higher prevalence of diabetes in more sparely populated countries.
   1. New York County is the most densely populated location in the US with of 70k heads per sq mile. (total pop 1.5mil; 19 other counties have higher populations) (NYC Obesity diabetes prevalence of 15.7%)
   2. However, the largest county by population is Los Angeles 9.8mil but with a density of only 2.4k. (Obesity diabetes prevalence of 21%)