**Med**: annual medical expenditures in constant dollars excluding dental and outpatient mental

**Lc**: log(coinsrate+1) where coinsurance rate is 0 to 100

**Idp**: individual deductible plan ?

**Lpi**: log(annual participation incentive payment) or 0 if no payment

**Fmde**: log(max(medical deductible expenditure)) if IDP=1 and MDE>1 or 0 otherw

**Physlim**: physical limitation ?

**Ndisease**: number of chronic diseases

**Health**: self–rate health (excellent,good,fair,poor)

**Linc**: log of annual family income (in \$)

**Lfam**: log of family size

**Educdec**: years of schooling of household head

**Age**: exact age

**Sex**: sex (male,female)

**Child**: age less than 18 ?

**Black**: is household head black ?

1. Do years of schooling of household and total medical expenditures show a relationship?
2. Create a variable that groups together ages on ranges of 5
3. Does income and self-rating of health correlate with each other?
4. Do males and females have different number of chronic disease?
5. Do black people have lower expenditure?
6. Medical spend and number of chronic diseases – Are there patients with high spend but low number of chronic diseases?
7. Do smaller and larger families rate their health differently?
8. For each of the questions, where applicable, accompany with a visualization that shows the relationship.