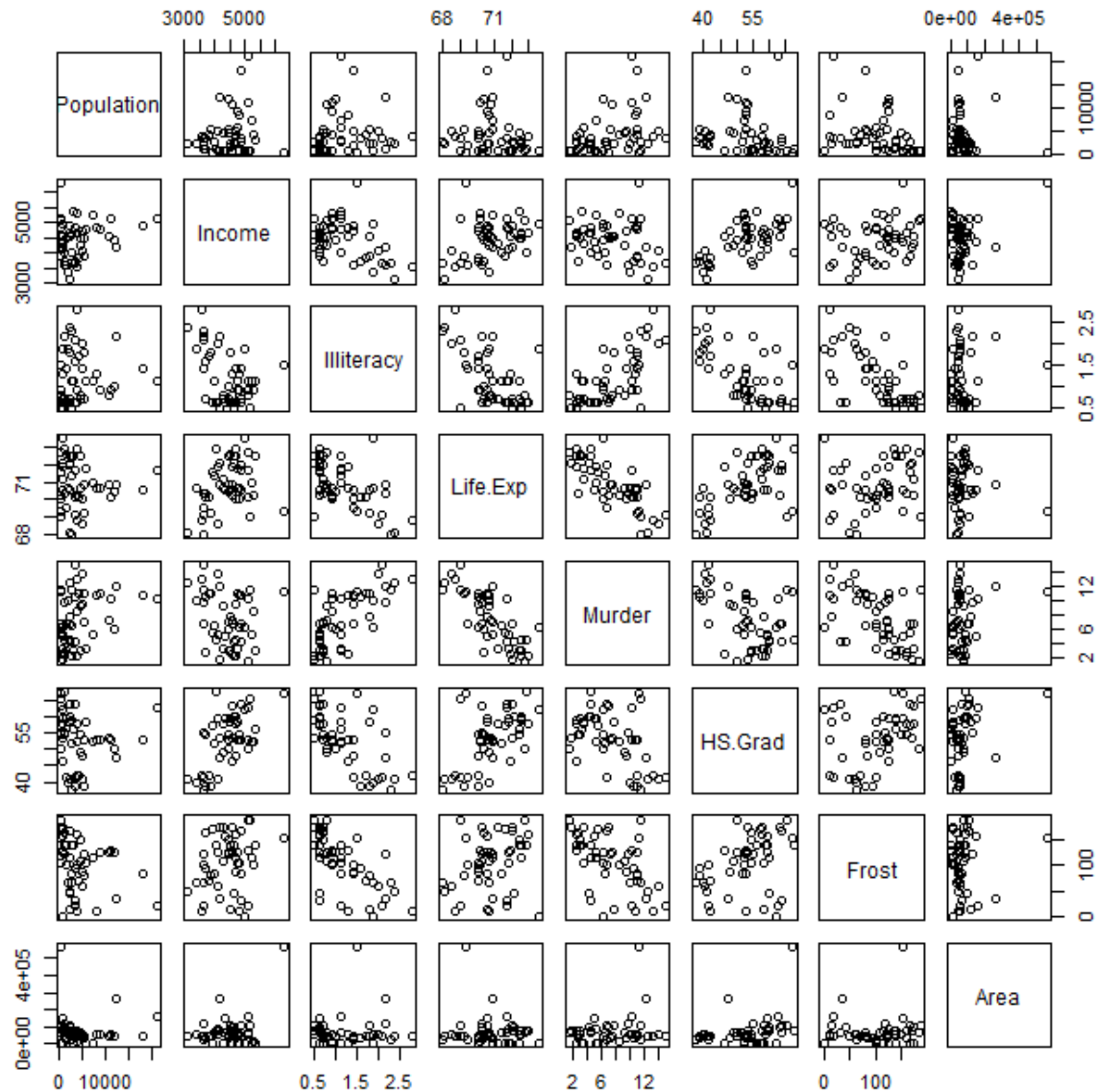
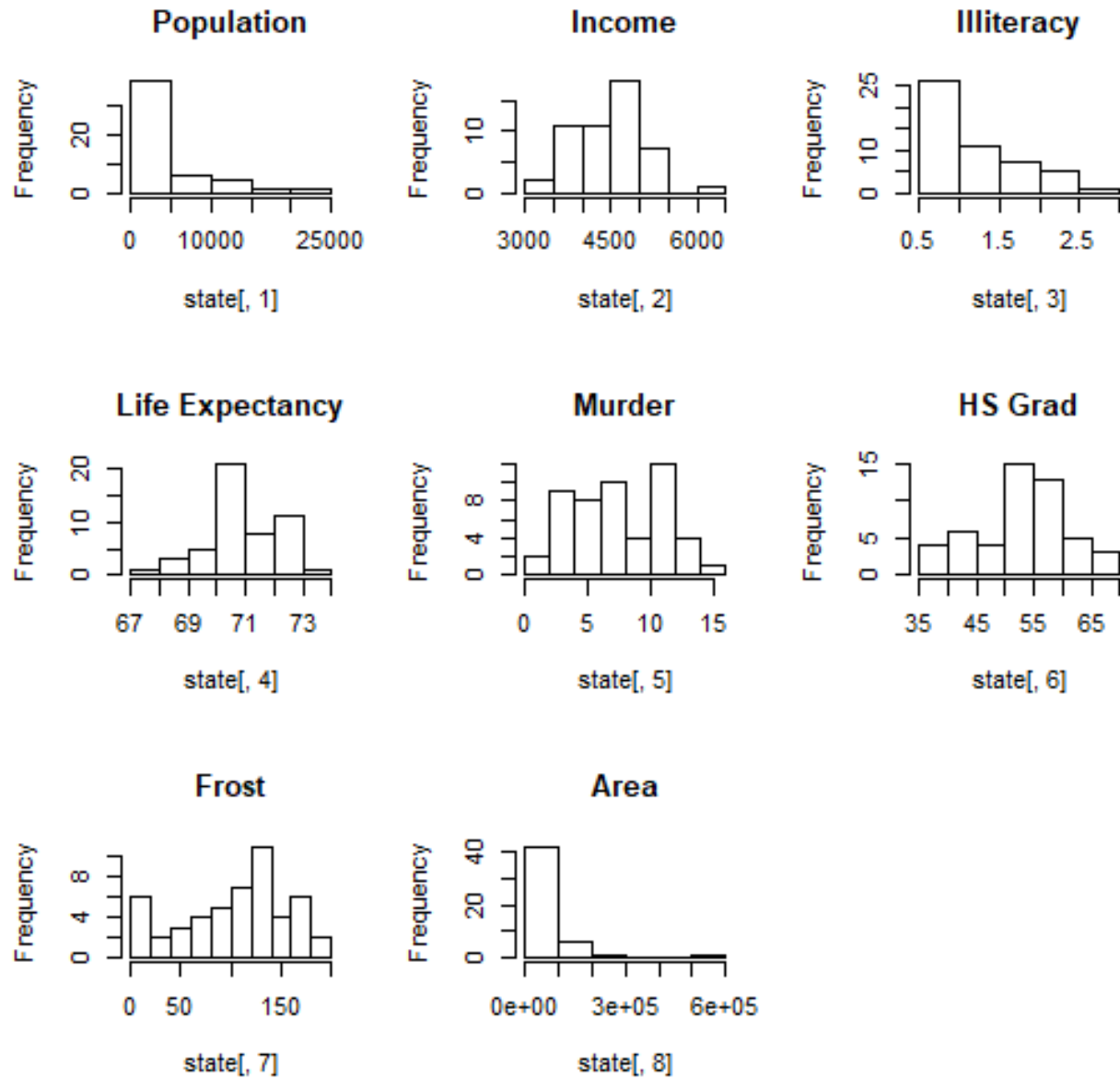


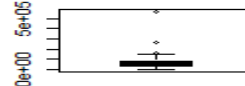
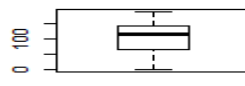
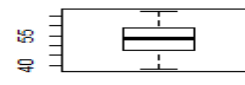
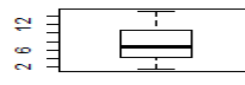
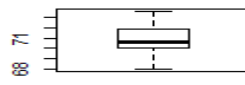
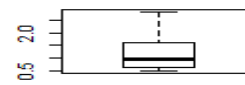
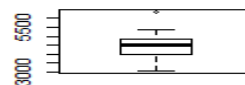
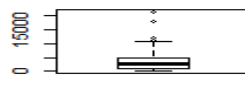
4.)

The data set describes the Census of the 50 states in the United States in the 1970s. There are 8 variables or features such as Population, Income, Illiteracy, Life Expectancy, Murder, HS Grad, Frost and Area.

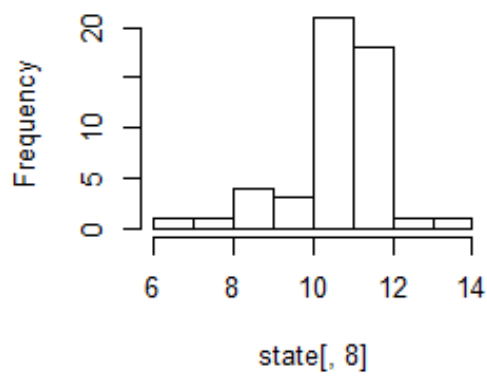


Here are some of the interesting plots obtained from the data:

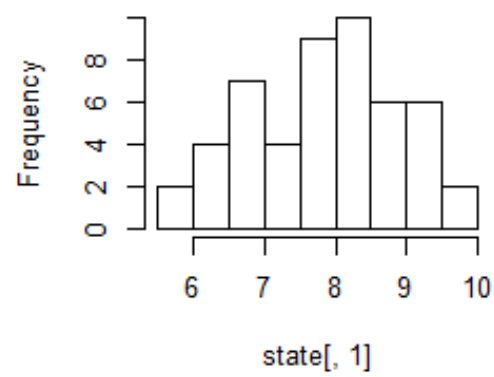




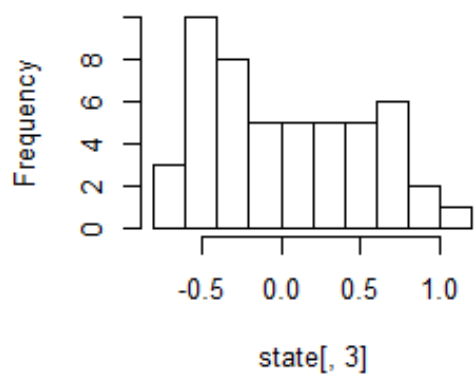
Area



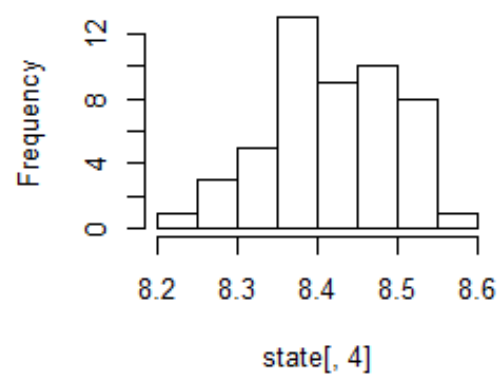
Population



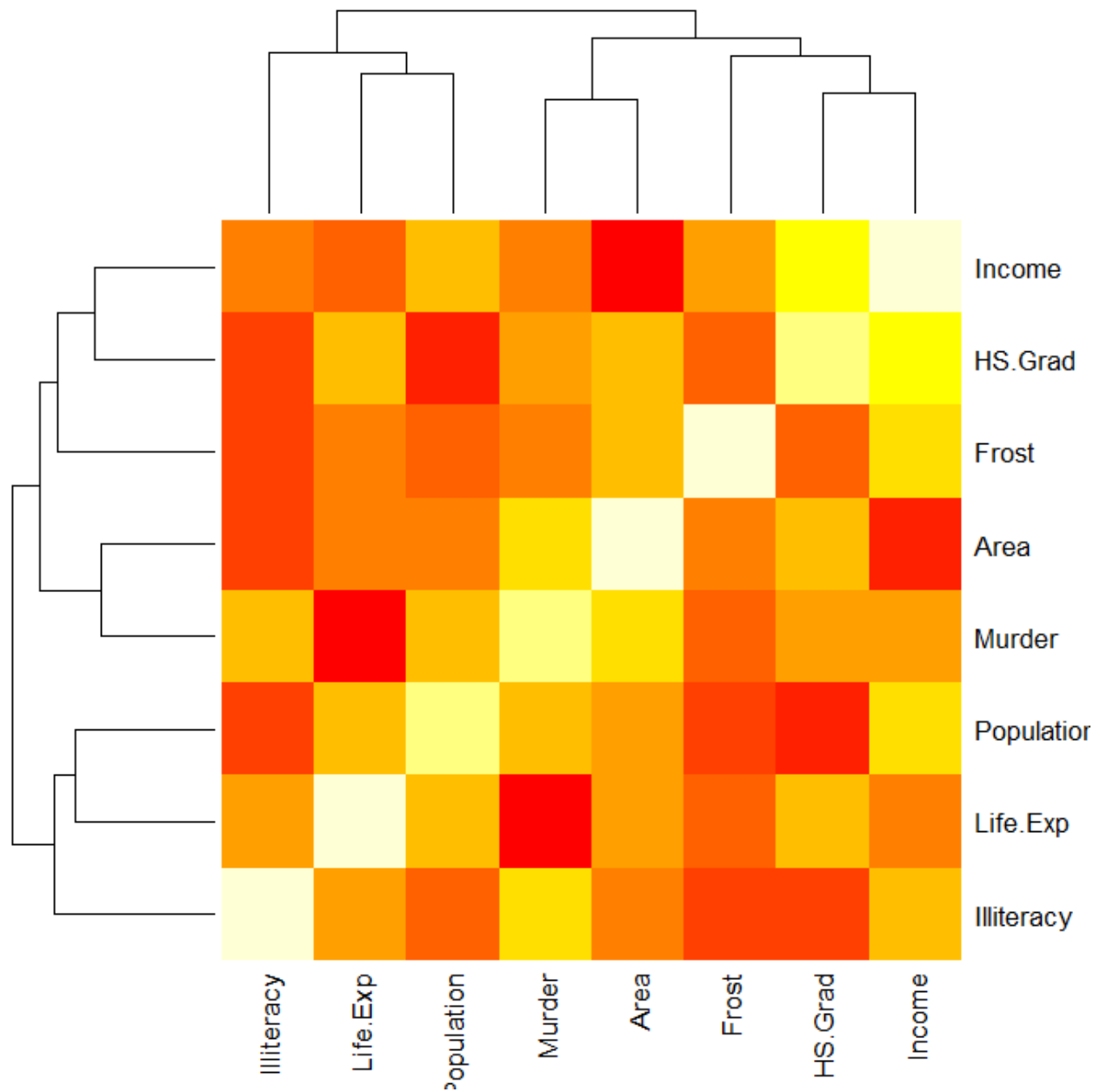
Illiteracy



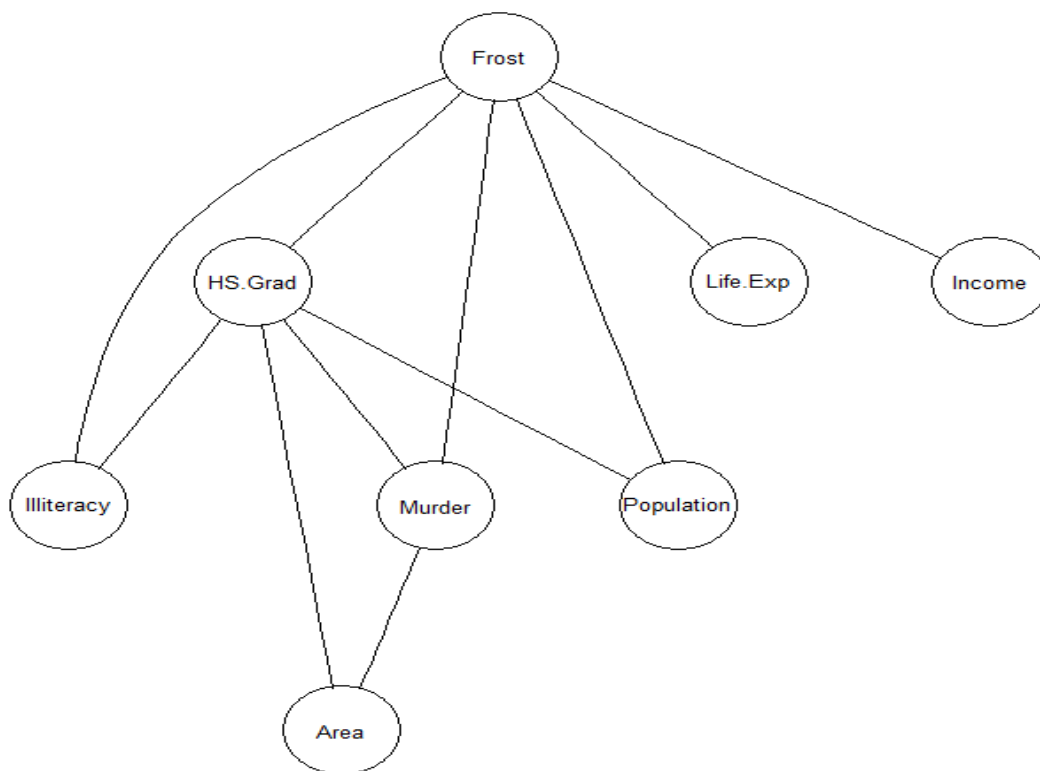
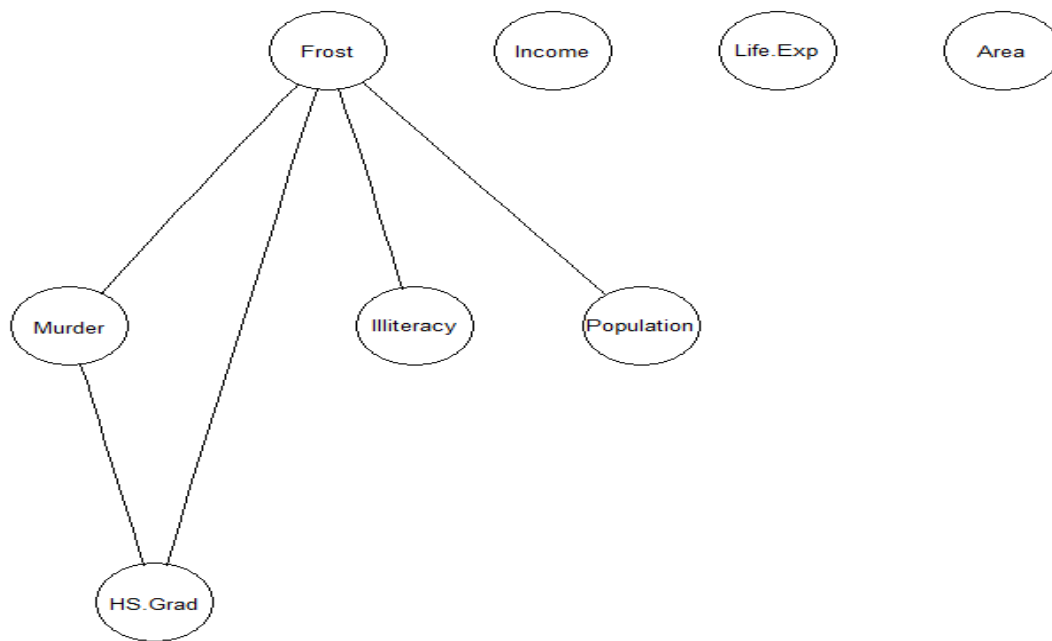
Life Expectancy



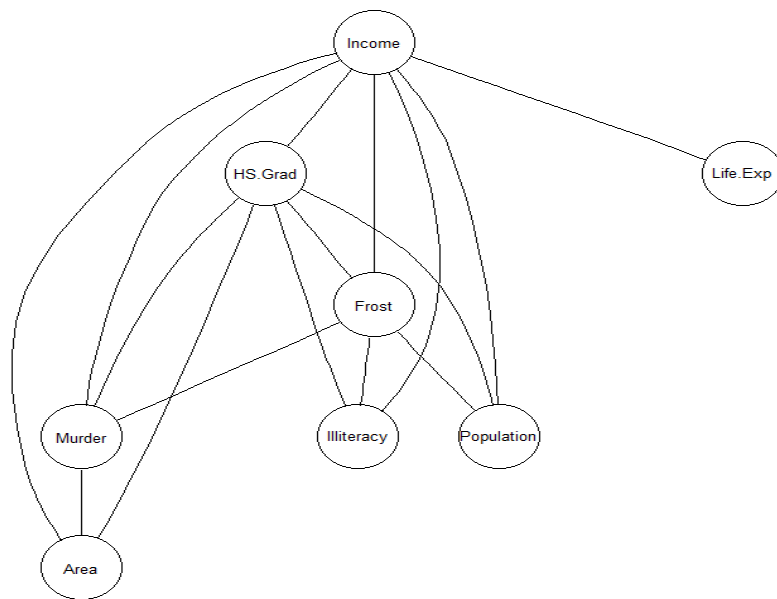
The partial covariance was obtained for the data. Using the covariance, the correlation was also obtained and the same was plotted.



We can infer some useful results from the heatmap. It can be seen that Life Expectancy and Murder have high negative correlation, which is an obvious relationship.



Rho: 1



Rho: 2

