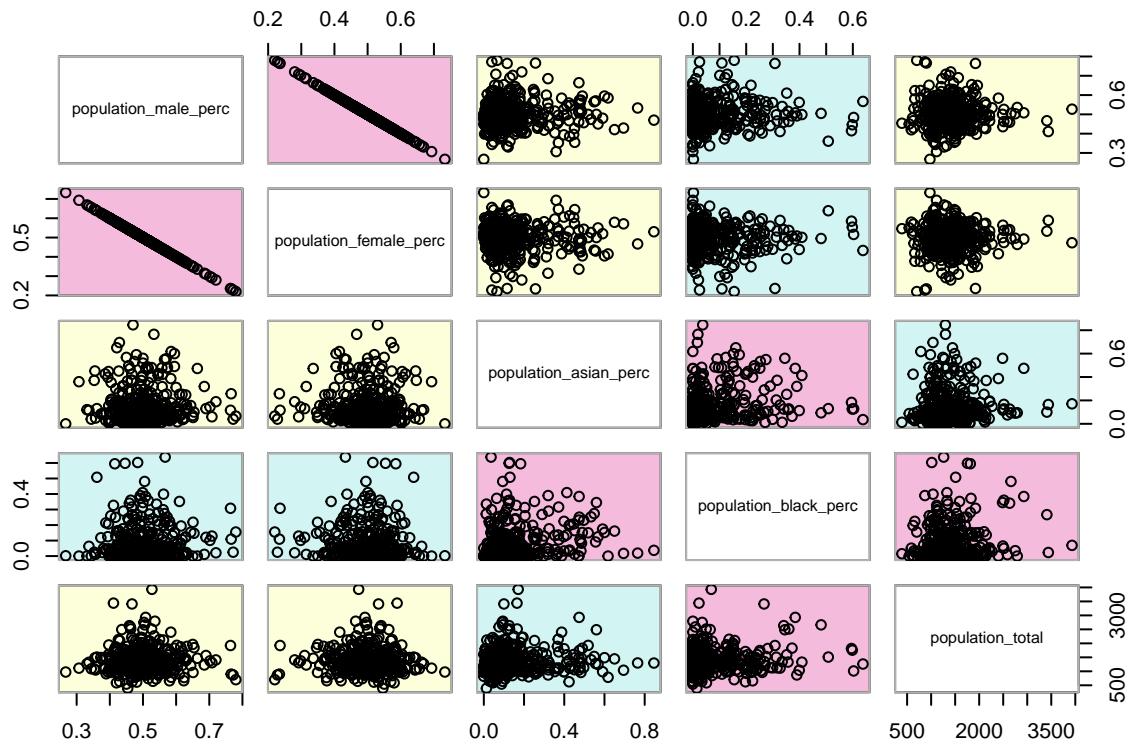


Model Diagnostics

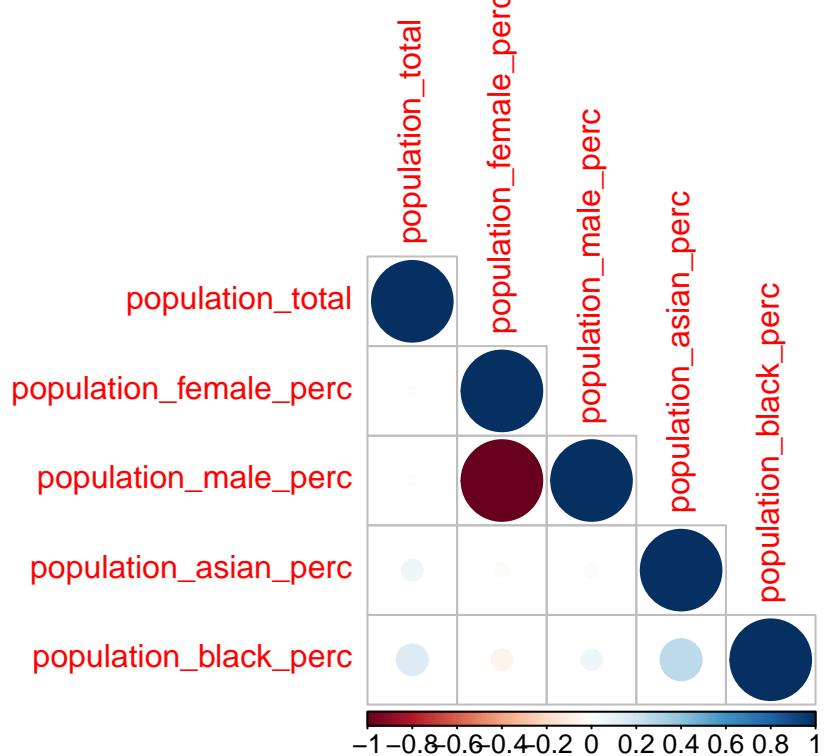
Jacob Rich

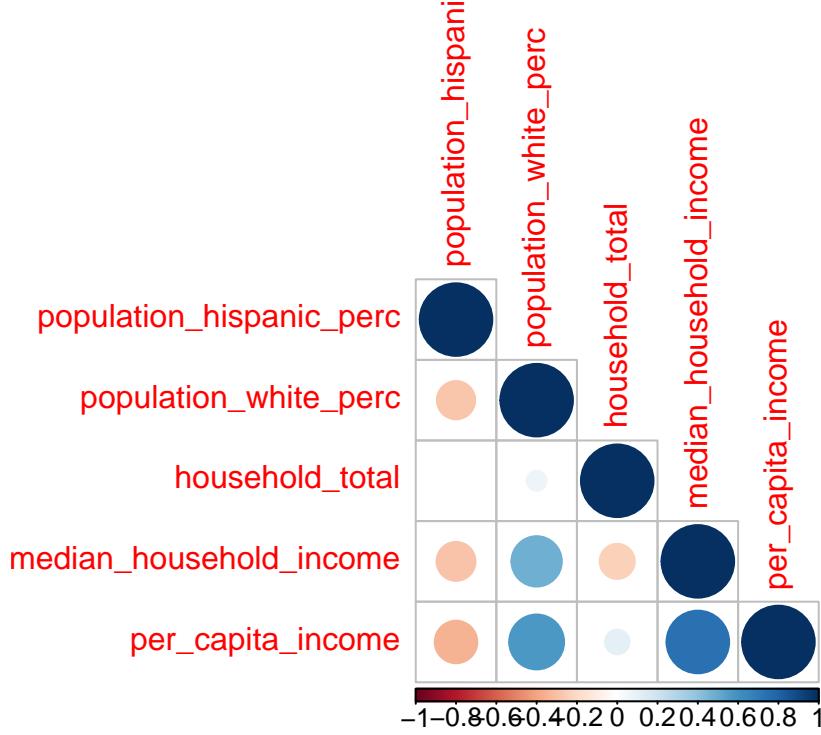
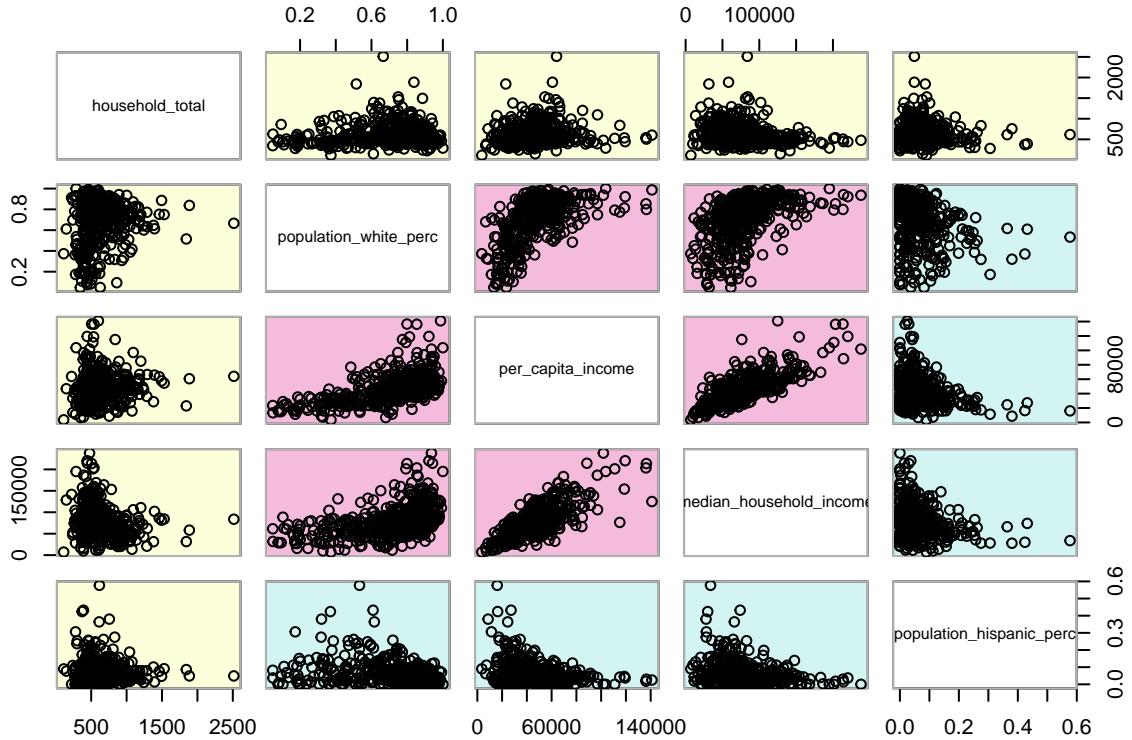
July 24, 2017

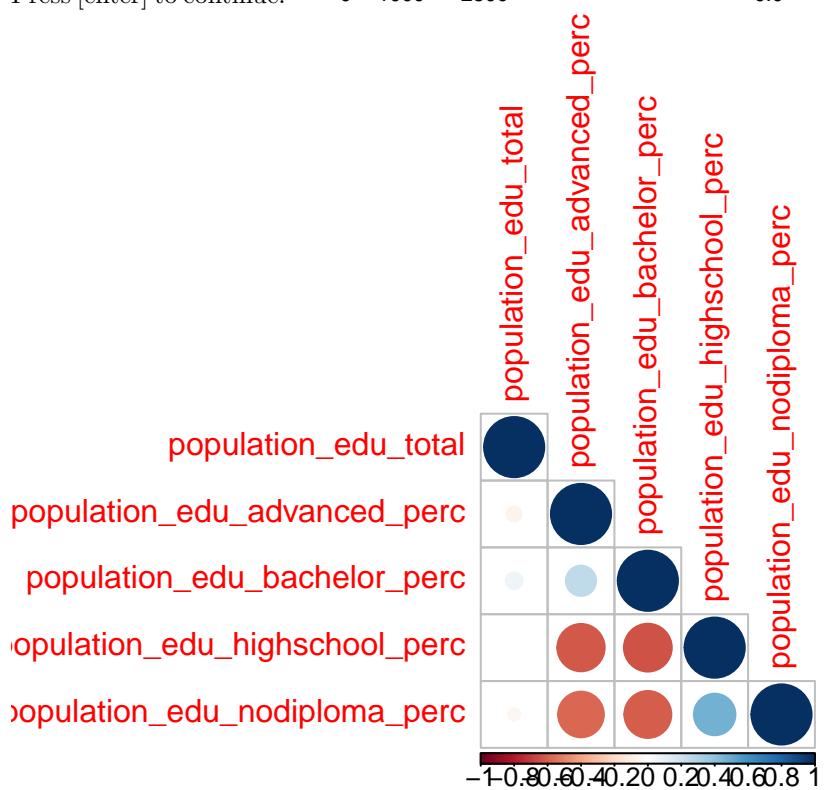
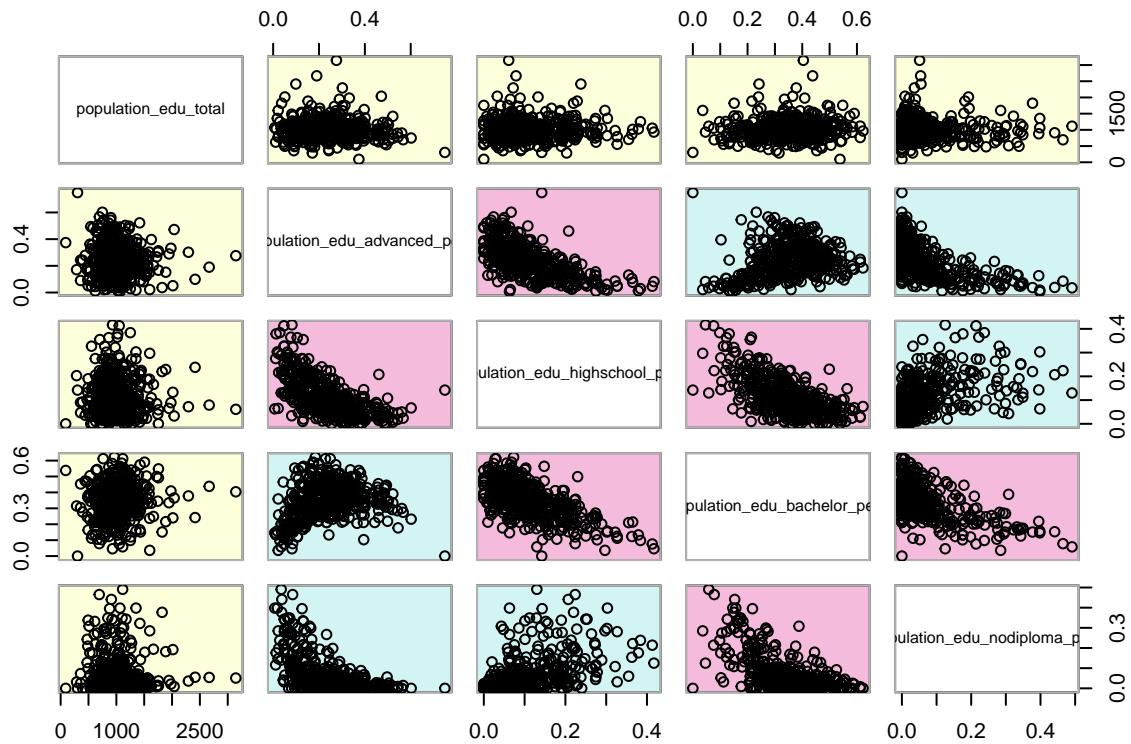
```
## Warning: package 'dplyr' was built under R version 3.3.2
##
## Attaching package: 'dplyr'
## The following objects are masked from 'package:stats':
##       filter, lag
## The following objects are masked from 'package:base':
##       intersect, setdiff, setequal, union
## Loading required package: cluster
```

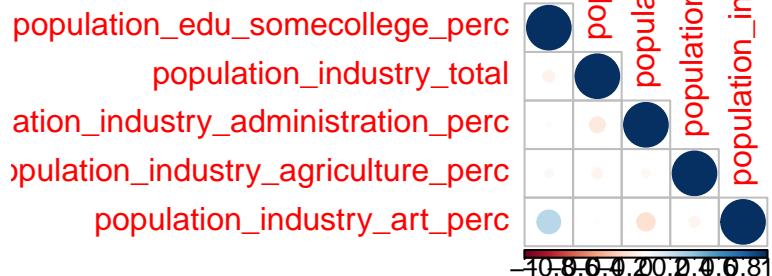
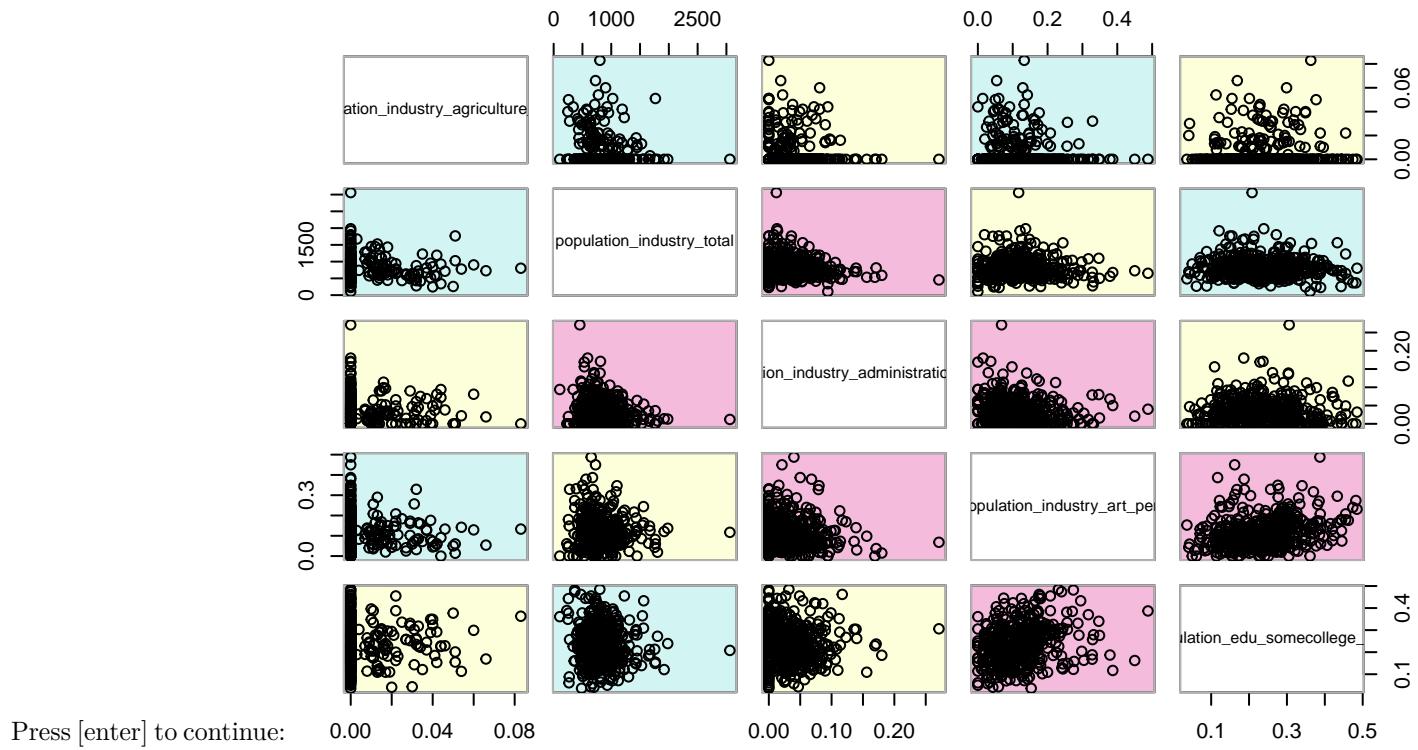


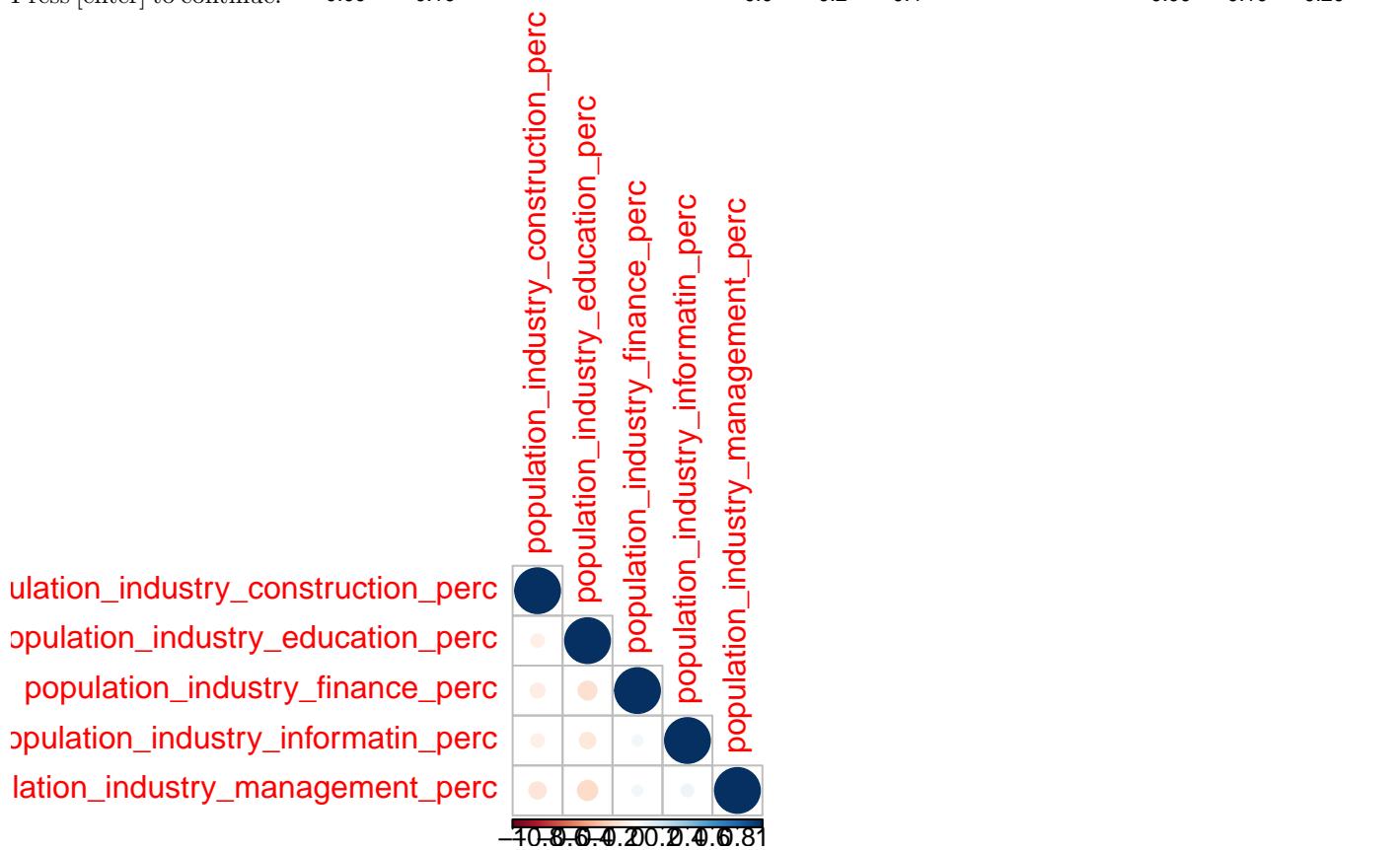
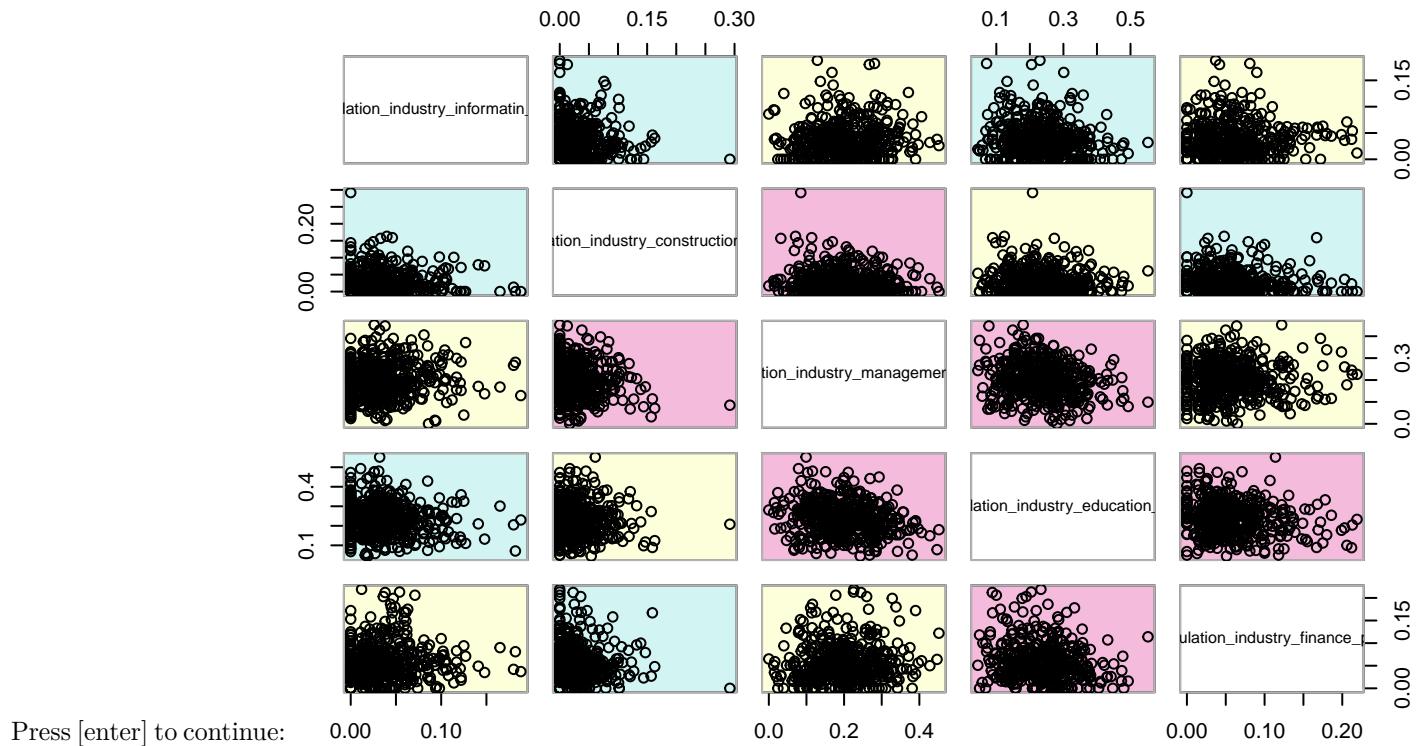
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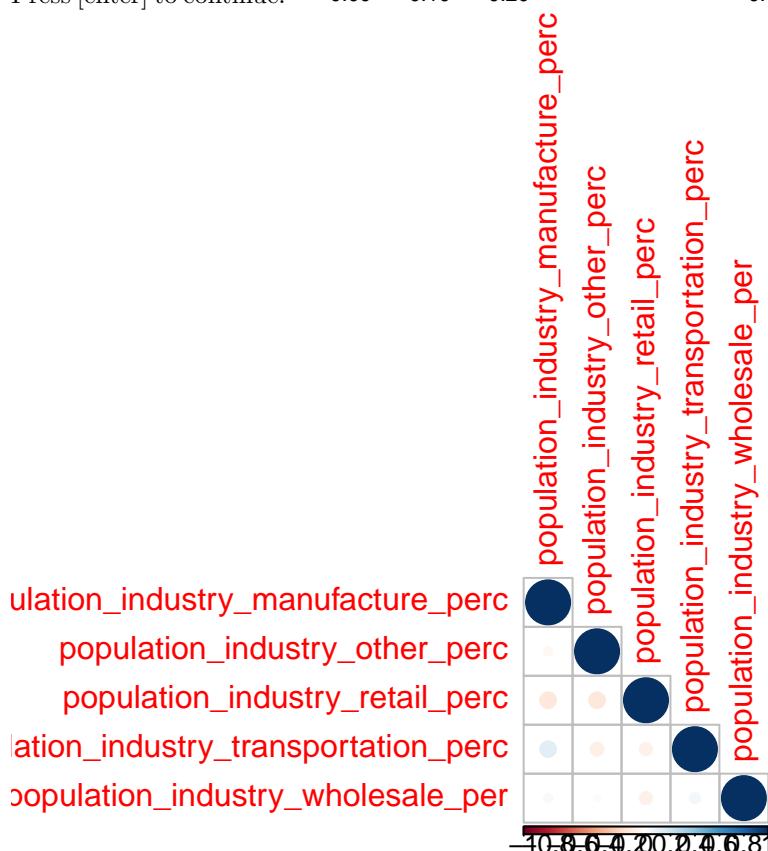
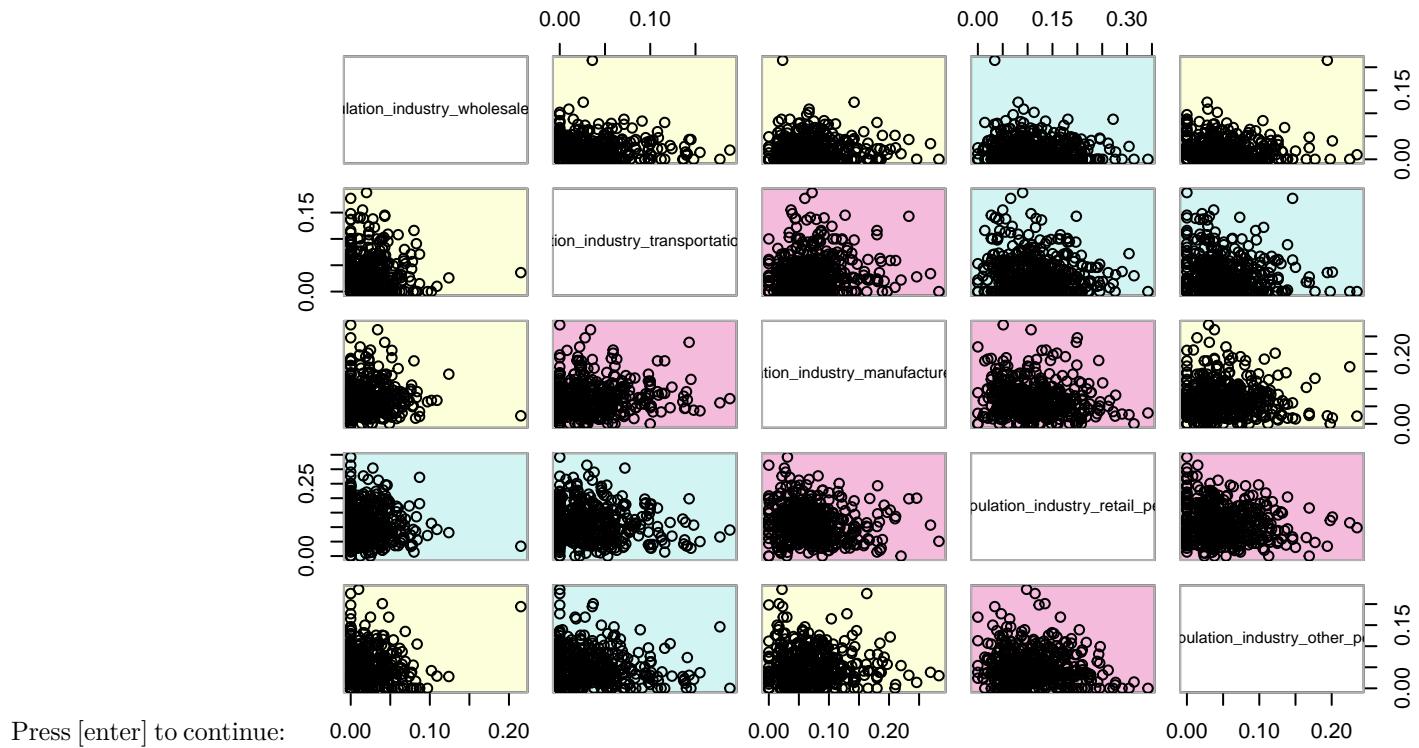


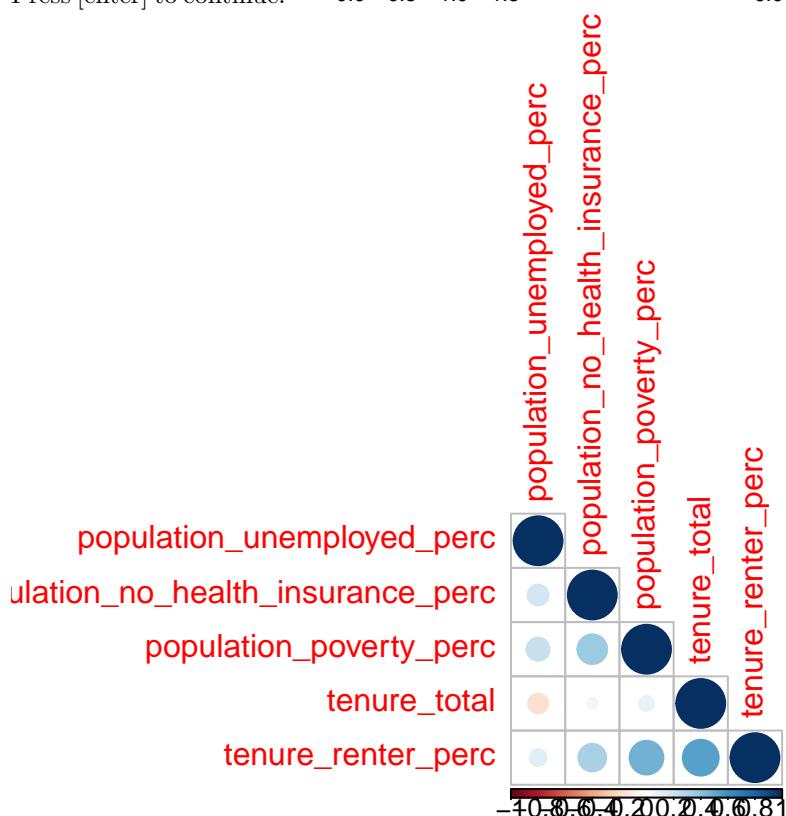
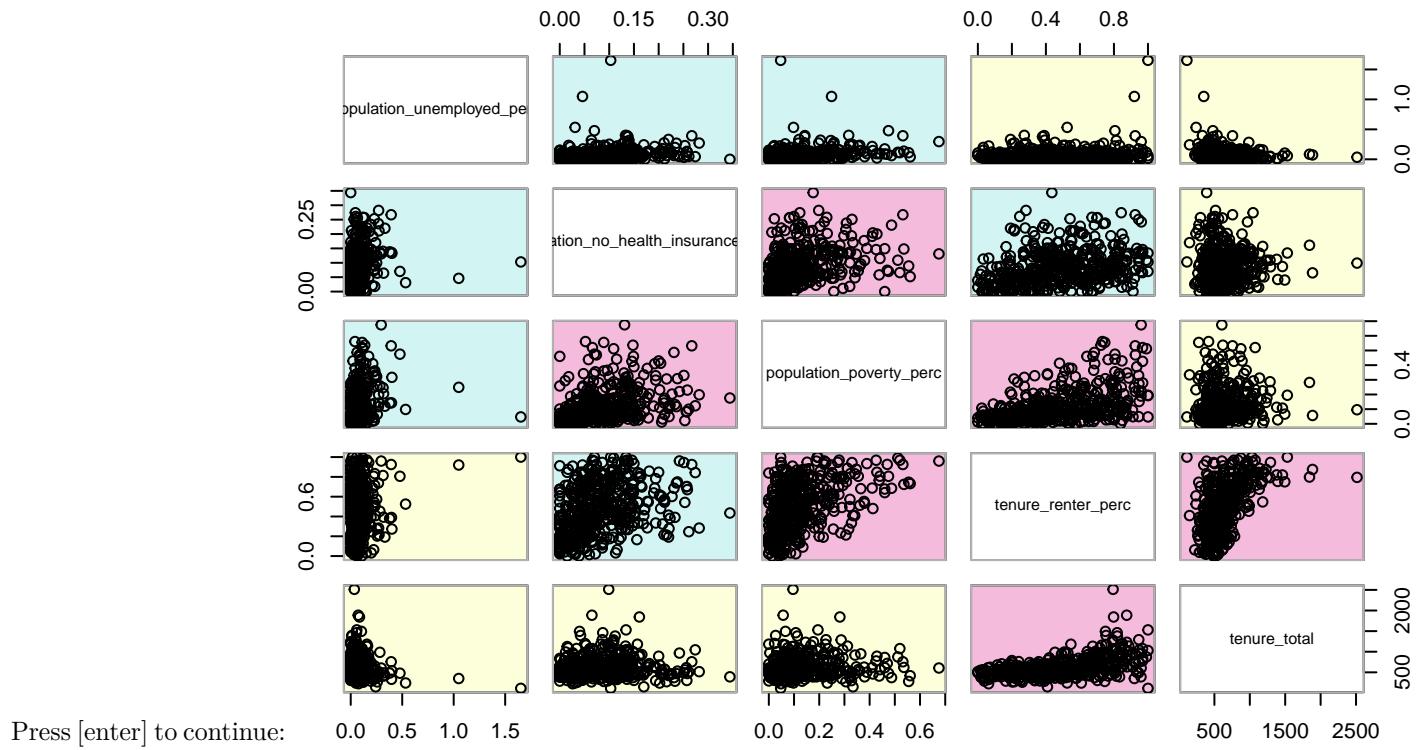


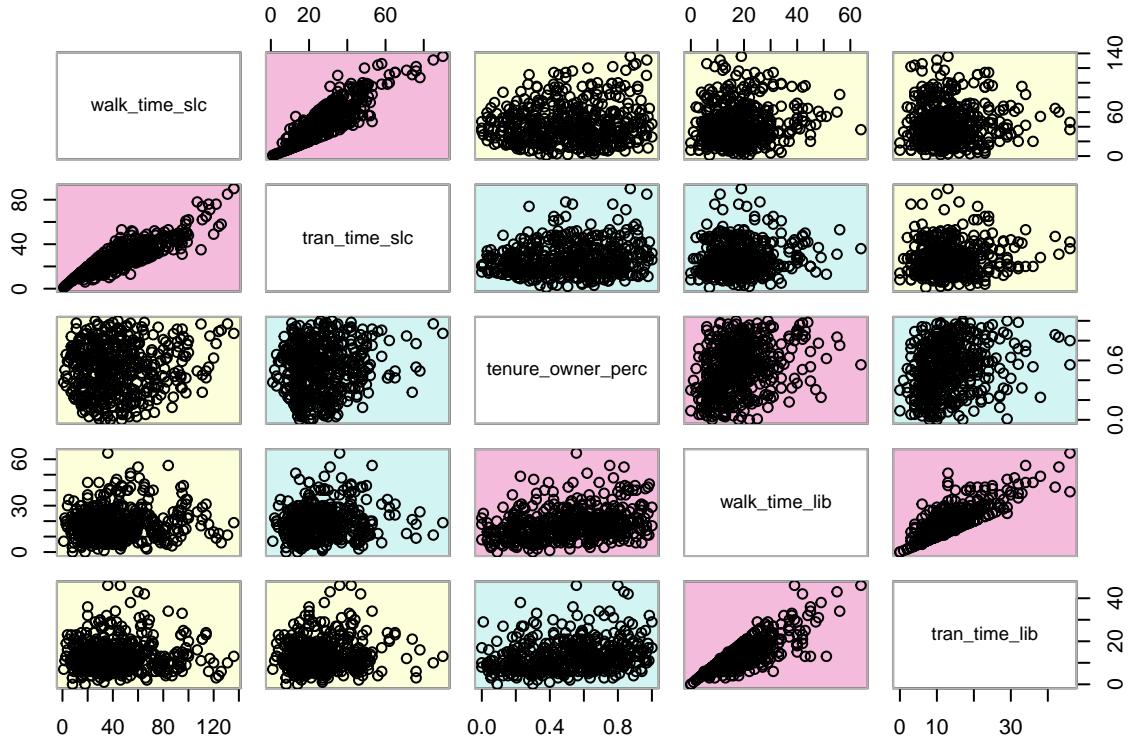












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