Exploratory Maps

Front Matter

Map Exploration

```
# gdp data map
reg_gdp <-
 reg_gdpraw[6:32]
colnames(reg_gdp) <-</pre>
  c("Oblast", "PerCapitaGDP")
reg_gdp <-
 reg_gdp %>%
  mutate(PerCapitaGDP = as.numeric(PerCapitaGDP),
         ukroblast.NAME_1 = ifelse(Oblast == "Autonomous Republic of Crimea", "Crimea",
                  ifelse(Oblast == "Dnipropetrovsk", "Dnipropetrovs'k",
                  ifelse(Oblast == "Donetsk", "Donets'k",
                  ifelse(Oblast == "Ivano-Frankivsk", "Ivano-Frankivs'k",
                  ifelse(Oblast == "Khmelnytskiy", "Khmel'nyts'kyy",
                  ifelse(Oblast == "Kyiv" & PerCapitaGDP == 23130, "Kiev City",
                  ifelse(Oblast == "Kyiv" & PerCapitaGDP == 6652, "Kiev",
                  ifelse(Oblast == "Lviv", "L'viv",
                  ifelse(Oblast == "Luhansk", "Luhans'k",
                  ifelse(Oblast == "Odesa", "Odessa",
                  ifelse(Oblast == "Sevastopol", "Sevastopol'",
                  ifelse(Oblast == "Ternopil", "Ternopil'",
                  ifelse(Oblast == "Zakarpattya", "Transcarpathia", Oblast)))))))))))))))
  select(ukroblast.NAME_1, PerCapitaGDP) %>%
  arrange(ukroblast.NAME_1)
ukroblast$percapGDP <-
  reg_gdp$PerCapitaGDP
brks <- c(0, 4750, 6250, 8000, 10000)
color.pallete <- rev(brewer.pal(4,"RdBu"))</pre>
class.fitted <- classIntervals(var = ukroblast$percapGDP, n = 4, style = "fixed",</pre>
                               fixedBreaks = brks, dataPrecision = 4)
```

GDP Per Capita By Oblast

