Down and Out

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This is my fancy report for class. I am going to show you how to use the `WDI` package to use data from the World Bank. The examples come from Vincent Arel-Bundock's GitHub page.

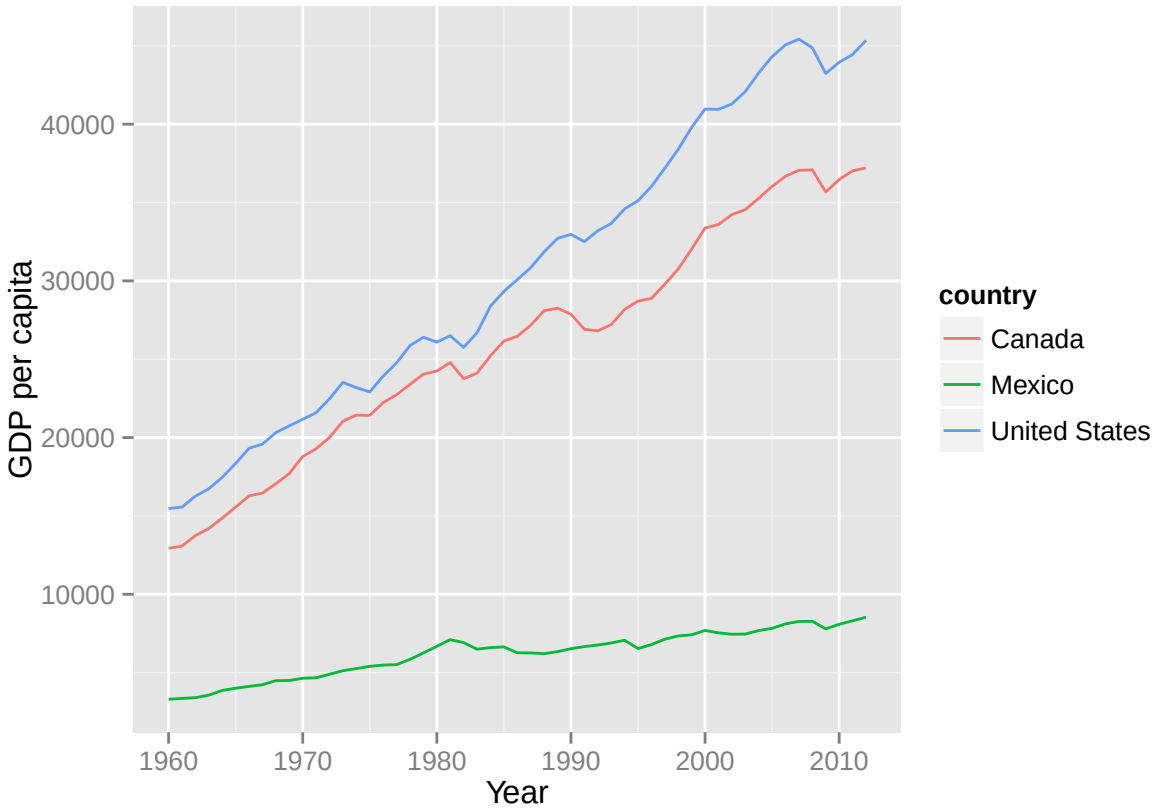
Let's search for "gdp" in the indicator names. There are a bunch, so I will just show the first 5.

```
# load packages
  library(WDI)
  library(ggplot2)
  WDIsearch('gdp')[1:5,]
```

```
##      indicator
## [1,] "BG.GSR.NFSV.GD.ZS"
## [2,] "BM.KLT.DINV.GD.ZS"
## [3,] "BN.CAB.XOKA.GD.ZS"
## [4,] "BN.CUR.GDPM.ZS"
## [5,] "BN.GSR.FCTY.CD.ZS"
##      name
## [1,] "Trade in services (% of GDP)"
## [2,] "Foreign direct investment, net outflows (% of GDP)"
## [3,] "Current account balance (% of GDP)"
## [4,] "Current account balance excluding net official capital grants (% of GDP)"
## [5,] "Net income (% of GDP)"
```

Next I will download and plot some data.

```
# download data
  dat <- WDI(indicator='NY.GDP.PCAP.KD',
             country=c('MX','CA','US'),
             start=1960, end=2012)
#   this creates an object called dat
# plot data
  ggplot(dat,
         aes(year, NY.GDP.PCAP.KD, color=country)) +
         geom_line() +
         xlab('Year') +
         ylab('GDP per capita')
```




```
us.gdppc.12 <- dat$NY.GDP.PCAP.KD[dat$country=="United States" &
                                  dat$year=="2012"]
```

GDP per capita for the US in 2012 was USD 45,342. I know that 45,342 divided by 2 is 22,671. I like round numbers, so $22,671