Lab1 GIS III

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This is the version we are using

```
version
```

```
##                 _
## platform        x86_64-w64-mingw32
## arch            x86_64
## os              mingw32
## system          x86_64, mingw32
## status
## major           3
## minor           6.3
## year            2020
## month           02
## day             29
## svn rev         77875
## language        R
## version.string  R version 3.6.3 (2020-02-29)
## nickname        Holding the Windsock
```

These are my installed and loaded packages:

```
library("sf")
```

```
## Linking to GEOS 3.6.1, GDAL 2.2.3, PROJ 4.9.3
```

```
library("raster")
```

```
## Loading required package: sp
```

```
library("spData")
```

```
## To access larger datasets in this package, install the spDataLarge
## package with: `install.packages('spDataLarge',
## repos='https://nowosad.github.io/drat/', type='source')`
```
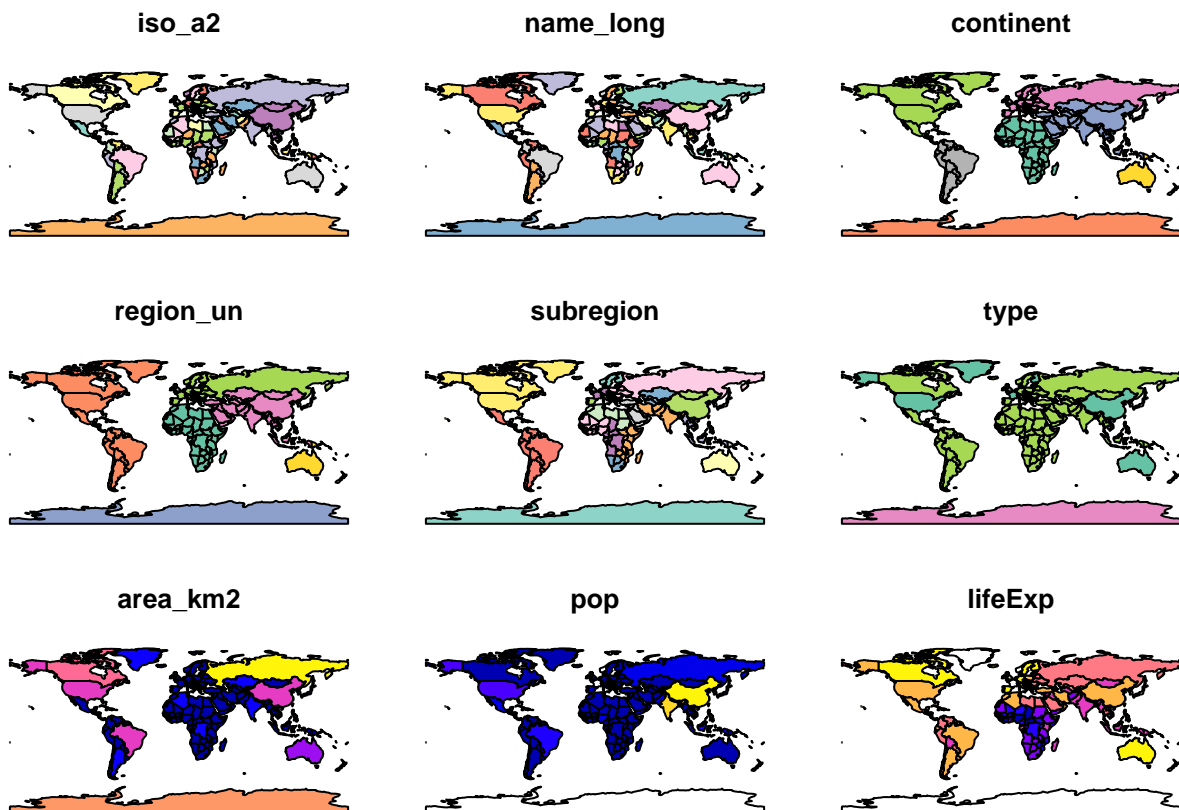
This is basic arithmetic:

```
4+1
```

```
## [1] 5
```

This is pulling from the "world" data from spData and using the "plot"" feature from sf

```
plot(world)
```

```
## Warning: plotting the first 9 out of 10 attributes; use max.plot = 10 to plot
## all
```


This uses the "summary" function from world.

```
summary(world["lifeExp"])
```

```
##      lifeExp               geom
##  Min.   :50.62    MULTIPOLYGON :177
##  1st Qu.:64.96    epsg:4326    :  0
##  Median :72.87    +proj=long...:  0
##  Mean   :70.85
##  3rd Qu.:76.78
##  Max.   :83.59
##  NA's   :10
```