AdvancedStatsAssignment

Question 1
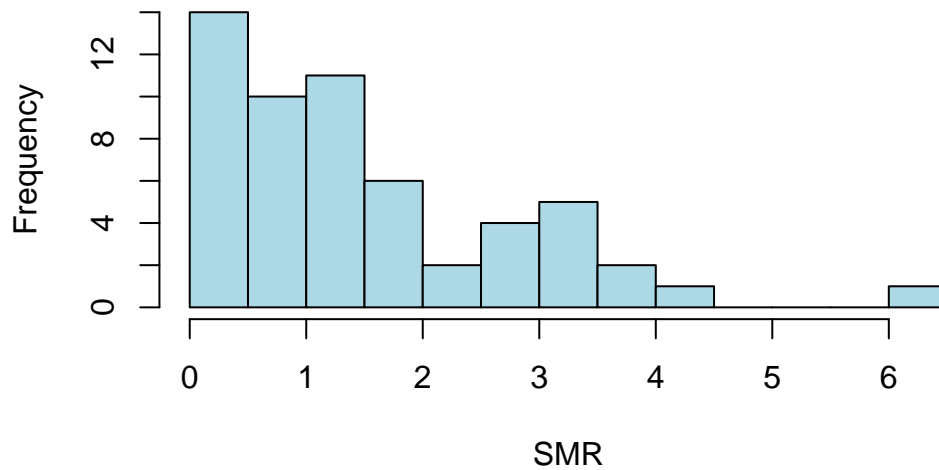
```r
source("ScotlandMap.R")  # need to read in the Scotland Map function
testdat <- runif(56)  # generate random numbers to use as observations
ScotlandMap(testdat, figtitle = "Scotland random numbers")
```

Question 1 a)

```r
ScotlandDF$SMR = ScotlandDF$Observed/ScotlandDF$Expected
```

```r
hist(ScotlandDF$SMR, breaks = 20, col = "lightblue", main = "Distribution of Standard Mort
    xlab = "SMR")
```

Distribution of Standard Mortality Ratios


```r
source("ScotlandMap.R")  # need to read in the ScotlandMap function
testdat <- ScotlandDF$SMR  # generate random numbers to use as observations
ScotlandMap(testdat, figtitle = "Scotland random numbers")
```

Warning: OGR support is provided by the sf and terra packages among others

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OGR data source with driver: ESRI Shapefile
Source: "C:\AppliedDataScienceAndStatistics\Applied-Data-Science-and-Statistics\Term2\Advance
with 56 features
It has 1 fields