Practicum 6

Read in the data:

```
library(WHO)
infant <- get_data('EQ_INFANTMORT')
child <- get_data('EQ_U5MORT')
```

Look at the data

```
summary(infant)
```

```
##   datasource          country             year          region
##  Length:1978        Length:1978        Min.   :1990   Length:1978
##  Class :character   Class :character   1st Qu.:1999   Class :character
##  Mode  :character   Mode  :character   Median :2005   Mode  :character
##                                        Mean   :2004
##                                        3rd Qu.:2009
##                                        Max.   :2013
##      gho            publishstate           value        residenceareatype
##  Length:1978        Length:1978        Min.   :  0.00   Length:1978
##  Class :character   Class :character   1st Qu.: 29.00   Class :character
##  Mode  :character   Mode  :character   Median : 49.00   Mode  :character
##                                        Mean   : 52.51
##                                        3rd Qu.: 71.95
##                                        Max.   :169.00
##  wealthquintile
##  Length:1978
##  Class :character
##  Mode  :character
##
##
##
```

```
summary(child)
```

```
##  wealthquintile         year          country             gho
##  Length:1978        Min.   :1990   Length:1978        Length:1978
##  Class :character   1st Qu.:1999   Class :character   Class :character
##  Mode  :character   Median :2005   Mode  :character   Mode  :character
##                     Mean   :2004
##                     3rd Qu.:2009
##                     Max.   :2013
##   datasource           region          publishstate          value
##  Length:1978        Length:1978        Length:1978        Min.   :  0.00
##  Class :character   Class :character   Class :character   1st Qu.: 36.00
##  Mode  :character   Mode  :character   Mode  :character   Median : 70.00
##                                                           Mean   : 80.54
##                                                           3rd Qu.:114.00
##                                                           Max.   :304.00
##  residenceareatype
##  Length:1978
##  Class :character
##  Mode  :character
```

```
## 
## 
## 
```

Find common columns:

```r
intersect(colnames(child), colnames(infant))
```

```
## [1] "wealthquintile"    "year"               "country"
## [4] "gho"               "datasource"         "region"
## [7] "publishstate"      "value"              "residenceareatype"
```

2. Include only rows with NAs in specified columns

```r
child <- child[is.na(child$wealthquintile) & is.na(child$residenceareatype),]
infant <- infant[is.na(infant$wealthquintile) & is.na(infant$residenceareatype),]
```

3. Omit some columns

```r
library(dplyr)
```

```
## 
## 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
```

```r
columnsToDrop <- c("residenceareatype", "wealthquintile", "gho", "publishstate")
child <- select(child, - one_of(columnsToDrop))
infant <- select(infant, - one_of(columnsToDrop))
```

What columns are still in common?

```r
intersect(colnames(child), colnames(infant))
```

```
## [1] "year"       "country"    "datasource" "region"      "value"
```