Assignment4part1

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10.5.What does tibble::enframe() do? When might you use it?

It converts heterogenous data types such as lists and atomic vectors to two column data frames.it can be used when organizing a list of data into data frames. The '?tibble::enframe function gives a detailed description.Below are some examples.

```
x <- c(1,2,3,5,6)
enframe(x, name = "name", value = "value")
enframe(c(a = 5, b = 7))
```

12.3.I claimed that iso2 and iso3 were redundant with country. Confirm this claim.

The columns were abbreviated versions of the country for each test data, so it is unneccessary to have the same records in three different columns.

```
H1 <- who %>%
  gather(new_sp_m014:newrel_f65,key="key",
         value = "cases",
         na.rm =TRUE)

H4<- select(H1,country,iso2,iso3) %>%
  distinct() %>%
  group_by(country)
H4
```

12.4.For each country, year, and sex compute the total number of cases of TB. Make an informative visualisation of the data

```
## Warning: package 'bindrcpp' was built under R version 3.4.3
```