

Assignment__4__AssignmentRespecification

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Assignment 4 – Tidyverse skills – 10.5

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

It converts named vectors to a data frame with names and values

```
?tibble::enframe
enframe(c(a = 1, b = 2, c = 3))
```

```
## # A tibble: 3 x 2
##   name  value
##   <chr> <dbl>
## 1 a      1.00
## 2 b      2.00
## 3 c      3.00
```

it is used to combine vectors to dataframe with col names

Assignment 4 – CASE STUDY – 12.6.1

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

```
select(who3, country, iso2, iso3) %>%
  distinct() %>%
  group_by(country) %>%
  filter(n() > 1)
```

```
## # A tibble: 0 x 3
## # Groups:   country [0]
## # ... with 3 variables: country <chr>, iso2 <chr>, iso3 <chr>
```

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

```
who5 %>%
  group_by(country, year, sex) %>%
  filter(year > 1995) %>%
  summarise(cases = sum(cases)) %>%
  unite(country_sex, country, sex, remove = FALSE) %>%
  ggplot(aes(x = year, y = cases, group = country_sex, color=sex)) +
  geom_line()
```

