

# Angola

```
## [1] "Census Females"
```

```
## # A tibble: 18 x 2
##   aggr.age   `2014`
## *   <dbl>     <dbl>
## 1       0 2513566
## 2       5 2060533.
## 3      10 1613252.
## 4      15 1315817.
## 5      20 1156666.
## 6      25 1001433.
## 7      30  834609.
## 8      35  696531.
## 9      40  563746.
## 10     45  452544
## 11     50  363423.
## 12     55  268526.
## 13     60  188471.
## 14     65  132814.
## 15     70   94112
## 16     75   61827.
## 17     80   36358.
## 18     85   38754.
```

```
## [1] "Census Males"
```

```
## # A tibble: 18 x 2
##   aggr.age   `2014`
## *   <dbl>     <dbl>
## 1       0 2484582.
## 2       5 2028635.
## 3      10 1573487.
## 4      15 1242570.
## 5      20 1044456.
## 6      25  890598.
## 7      30  749153.
## 8      35  633350.
## 9      40  523262.
## 10     45  419722.
## 11     50  328218.
## 12     55  239464.
## 13     60  164282.
## 14     65  108960.
## 15     70   73054.
## 16     75   46385.
## 17     80   26482.
## 18     85   27215.
```

*Thiele log-Normal Hump RW*

```
## Warning in fit_tmb(input.thiele.loghump.oag.vec.RW, inner_verbose = FALSE, : convergence error: false c
```

```
##      user  system elapsed
## 437.09    1.05  439.19
## [1] "false convergence (8)"
```

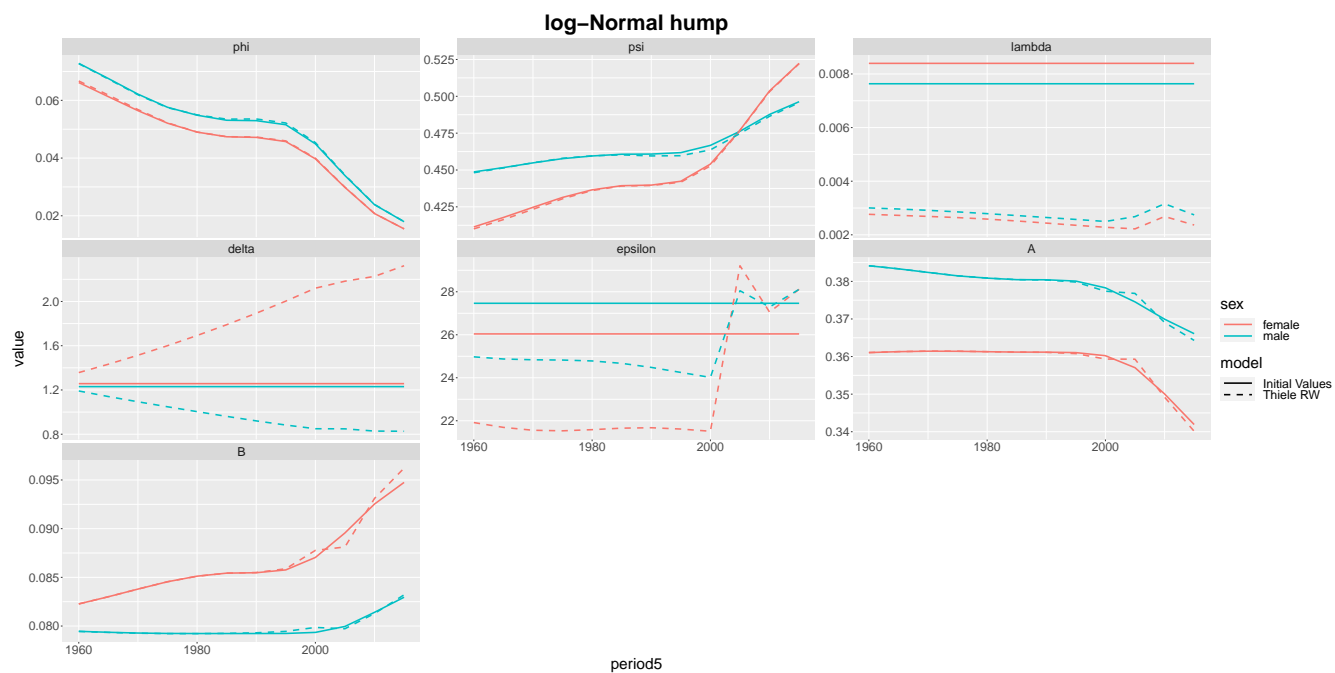


Figure 1: Estimated parameters

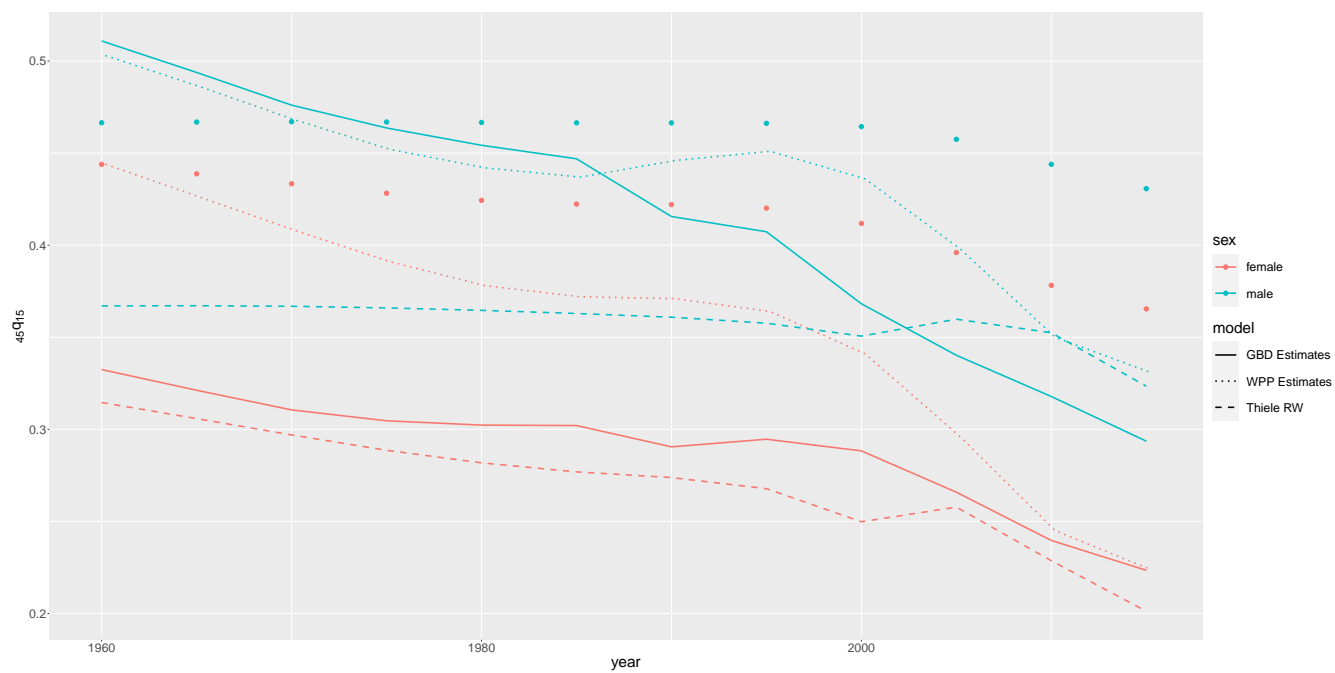


Figure 2: Estimated  $_{45}q_{15}$

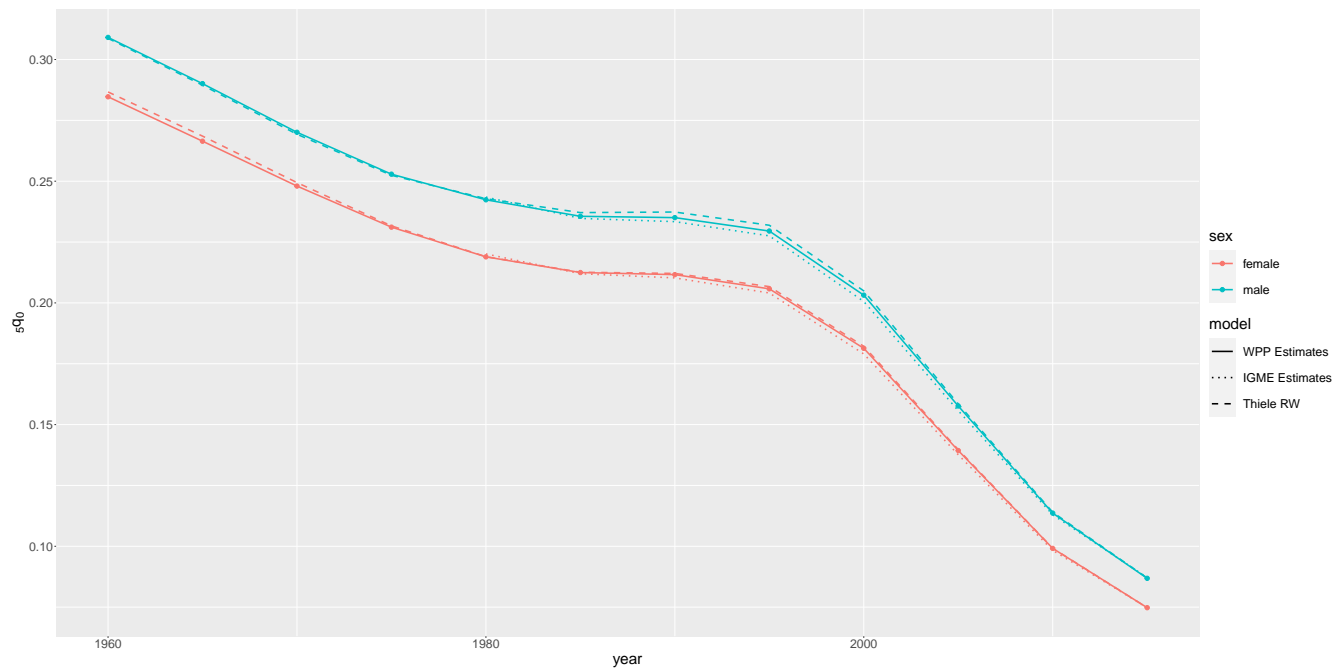


Figure 3: Estimated  $_{5}q_0$

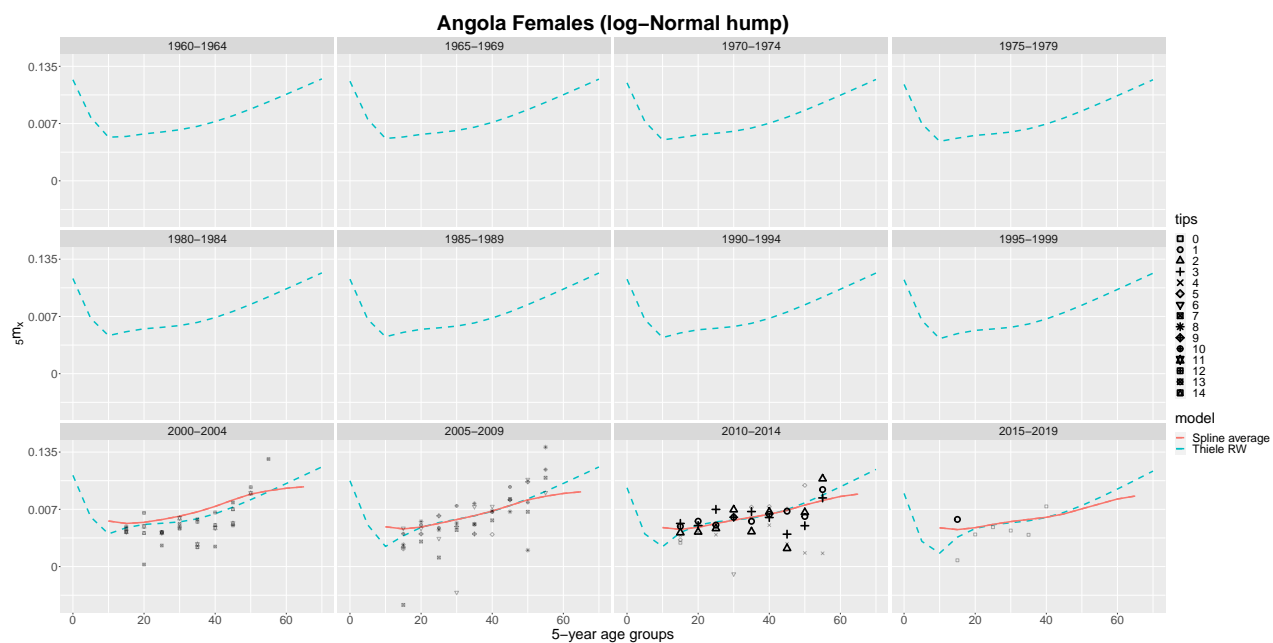


Figure 4: Mortality Schedules

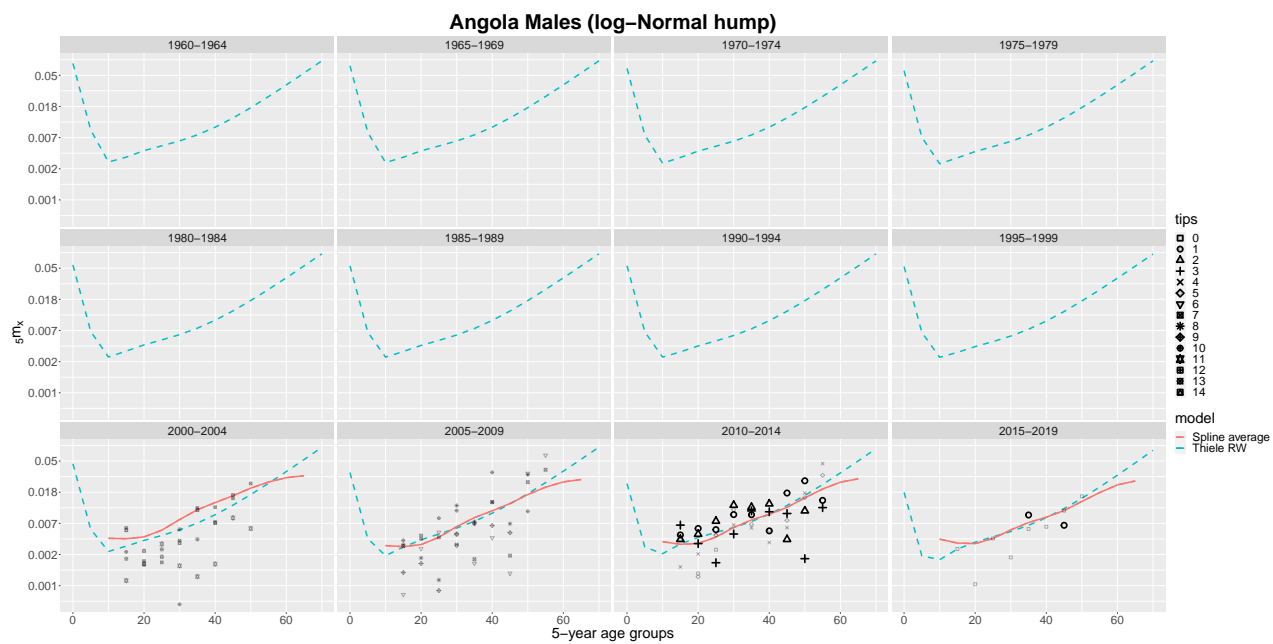


Figure 5: Mortality Schedules

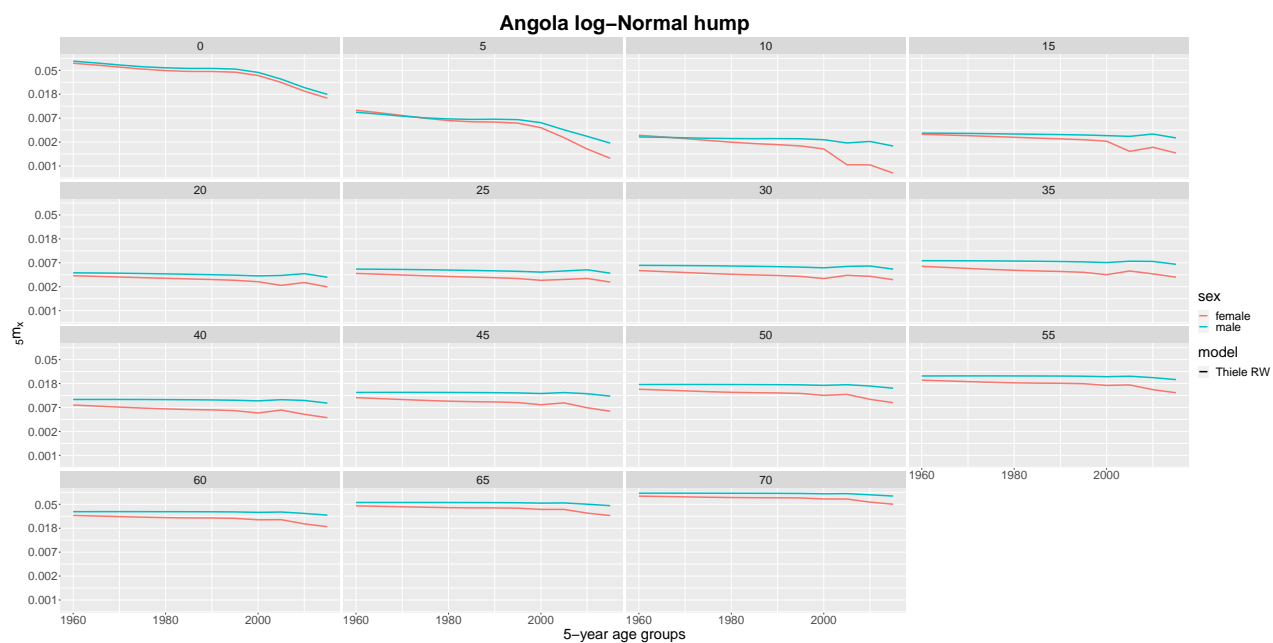


Figure 6: Mortality Schedules

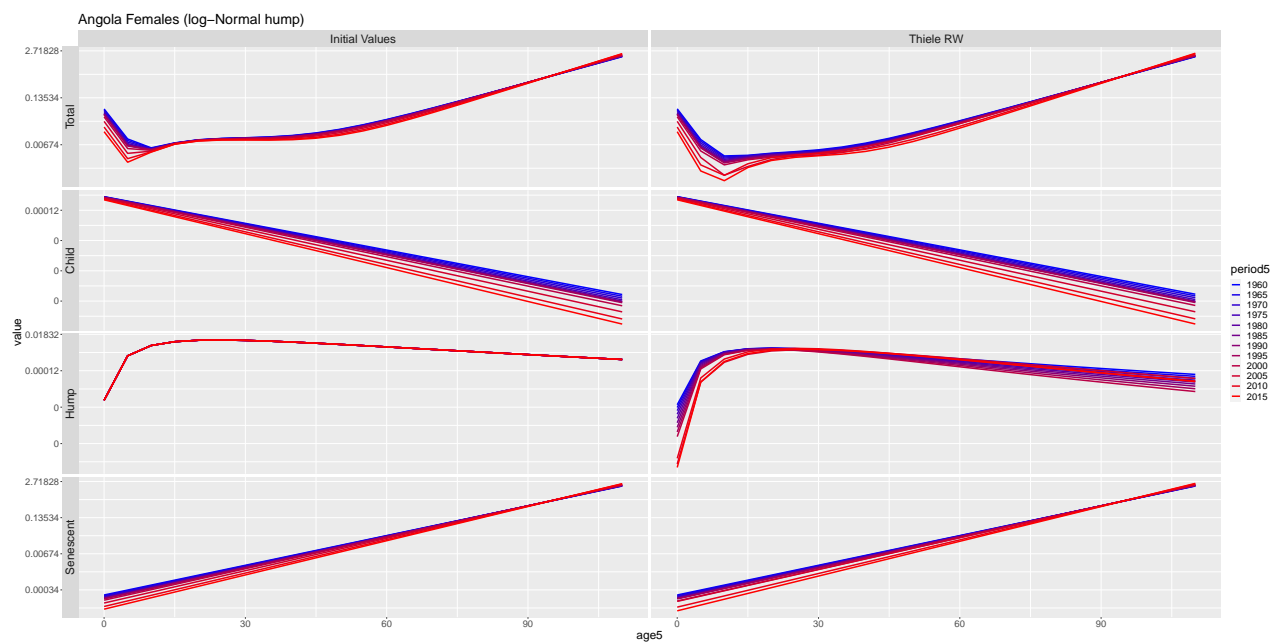


Figure 7: Thiele Decomposed

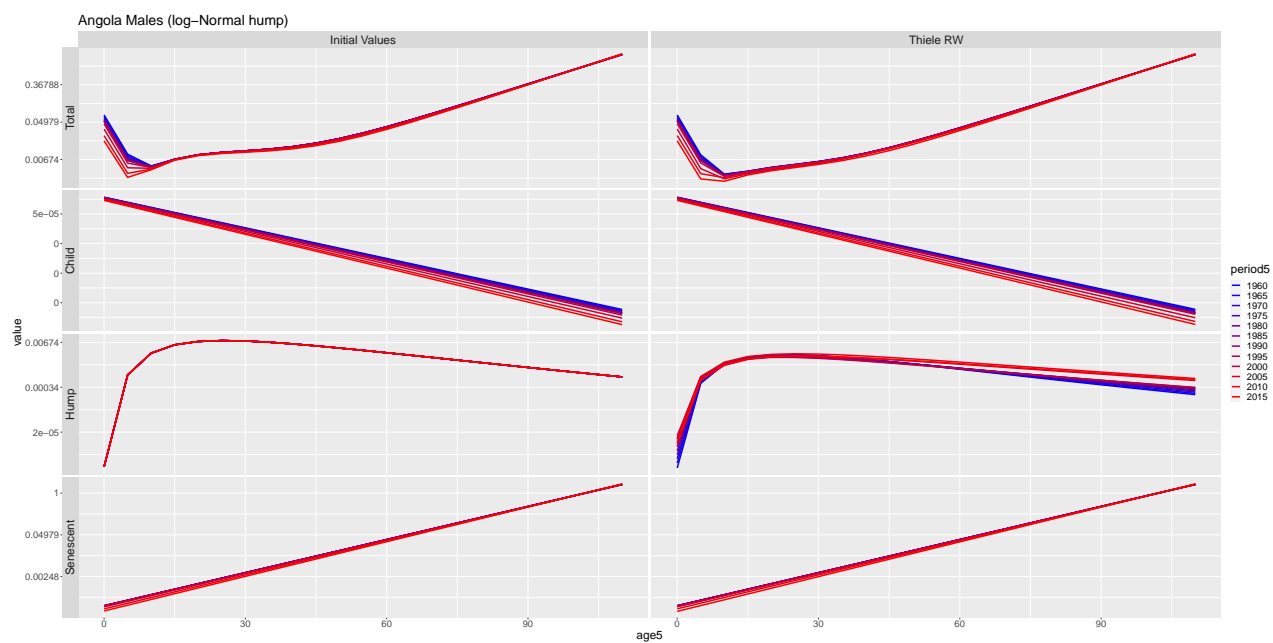


Figure 8: Thiele Decomposed

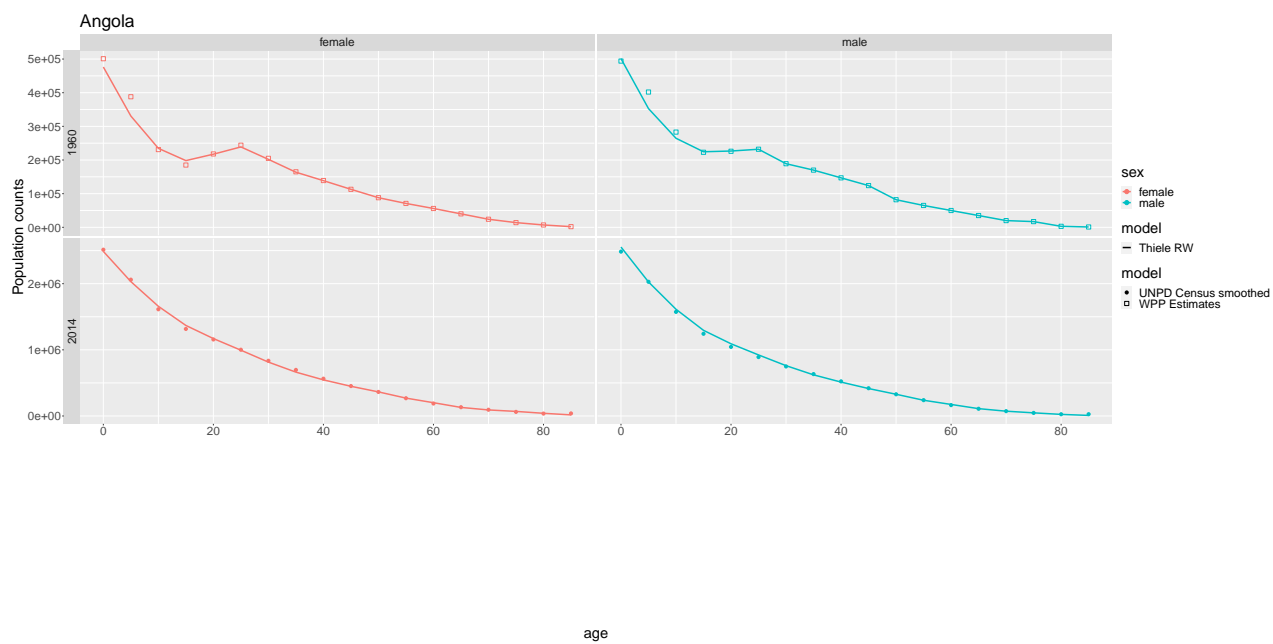


Figure 9: Population

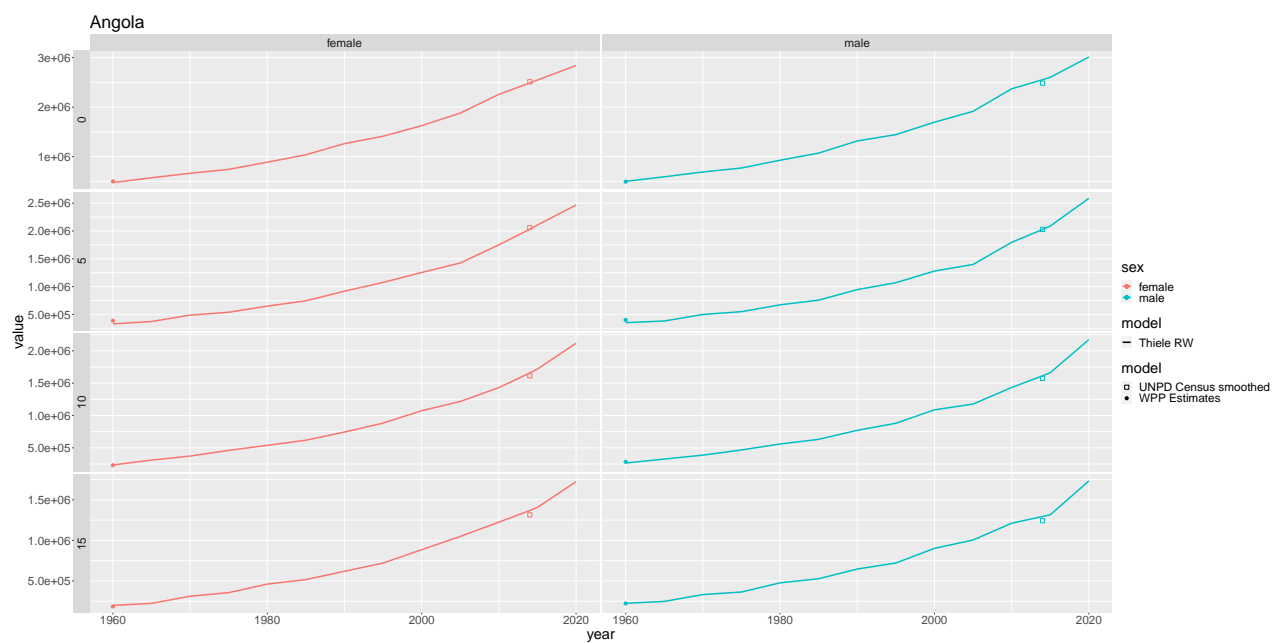


Figure 10: Population

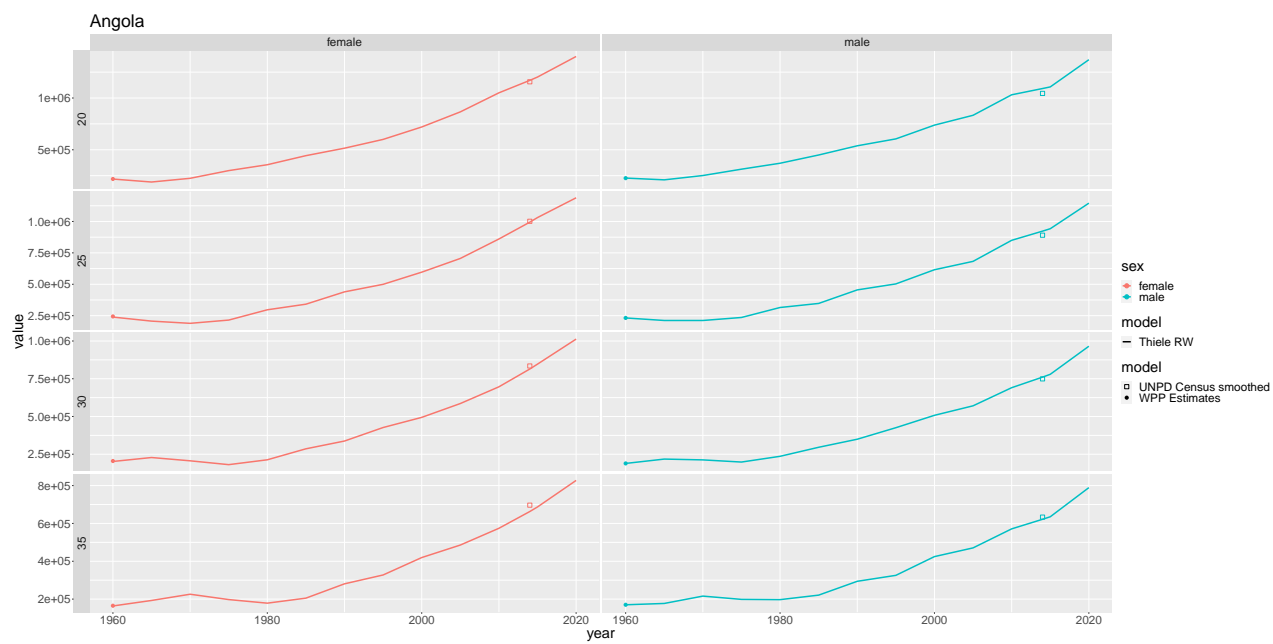


Figure 11: Population



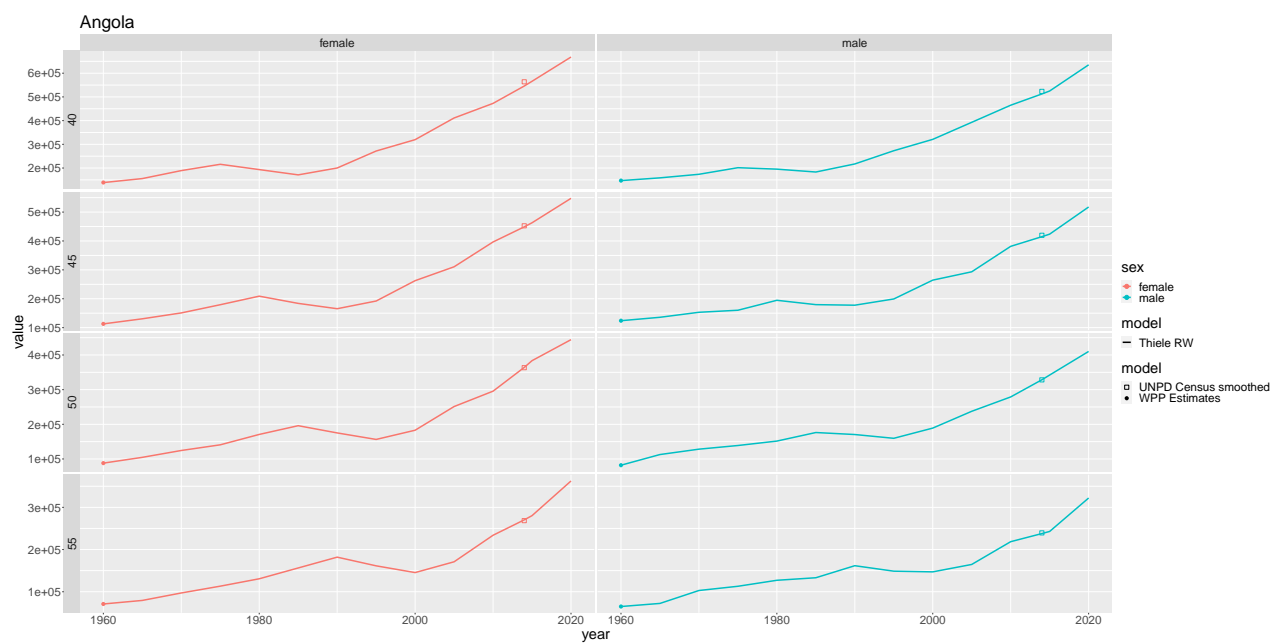


Figure 12: Population

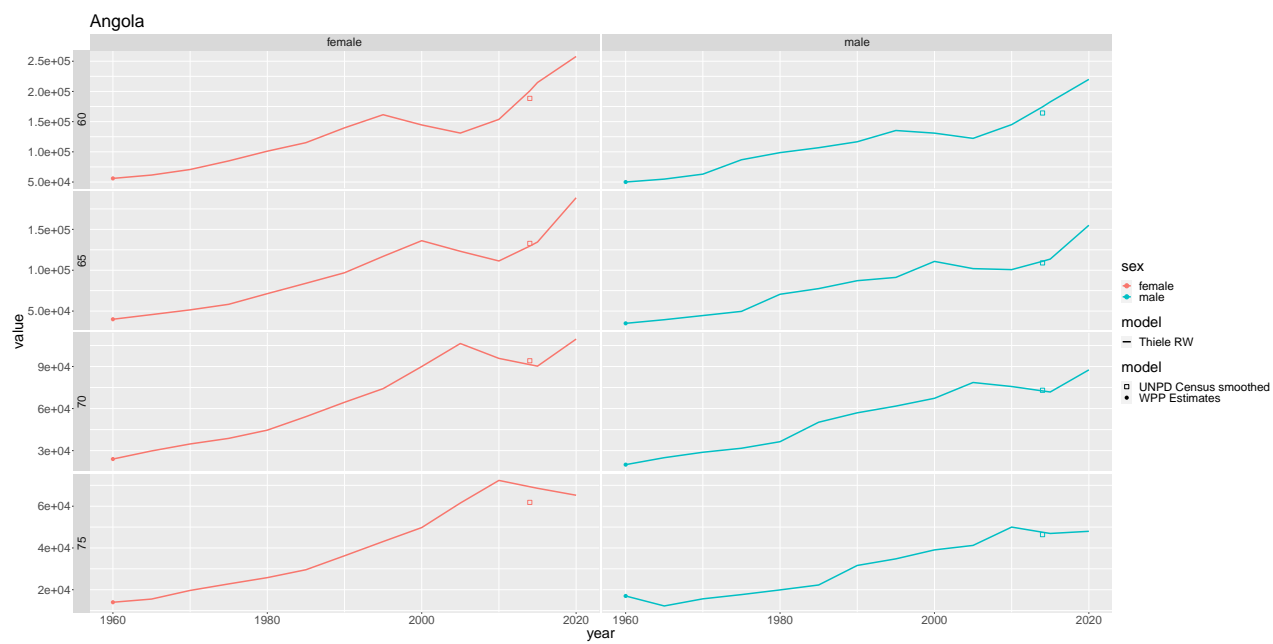


Figure 13: Population

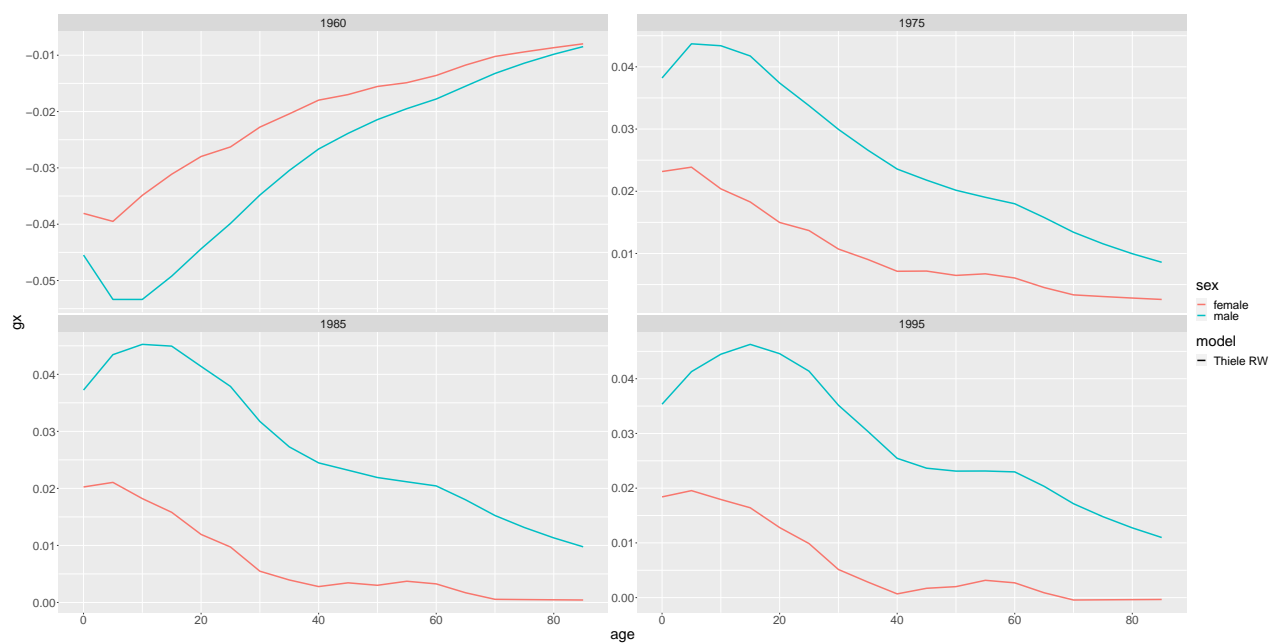


Figure 14: Migration

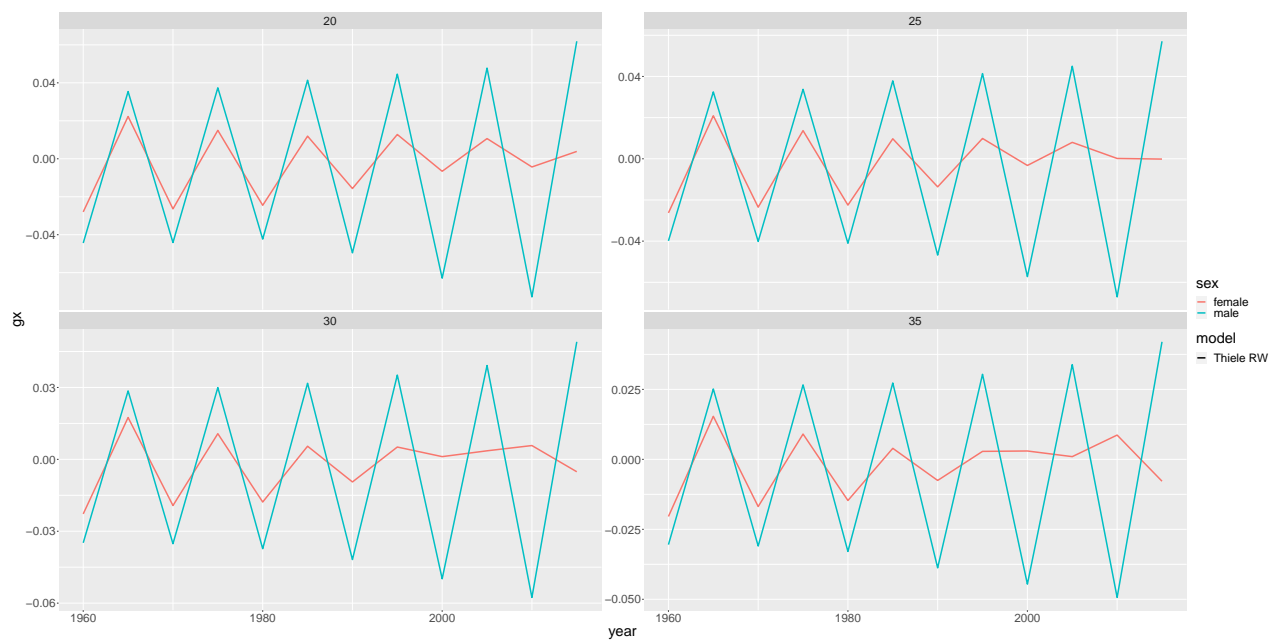


Figure 15: Migration

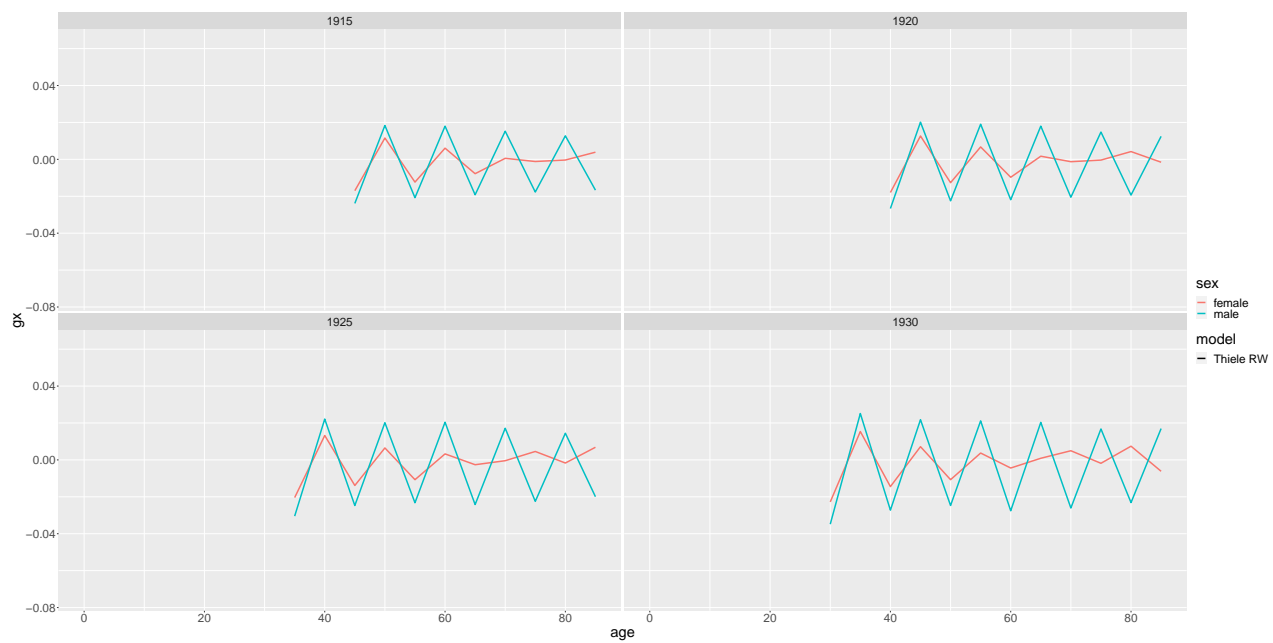


Figure 16: Migration

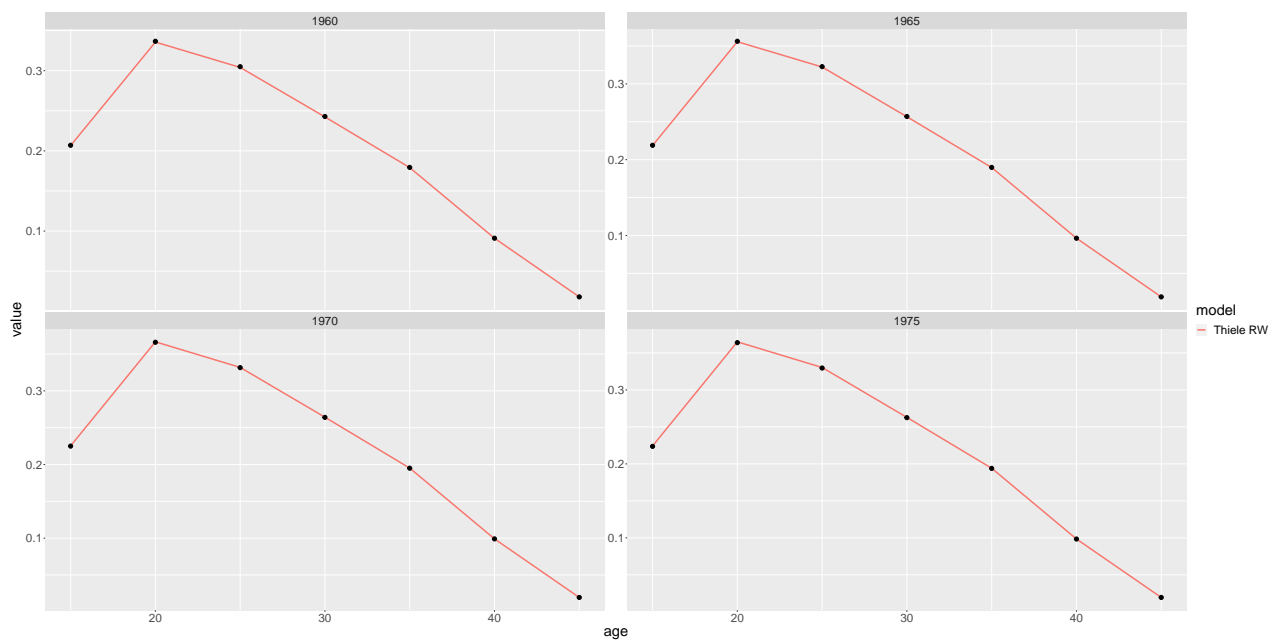


Figure 17: Fertility

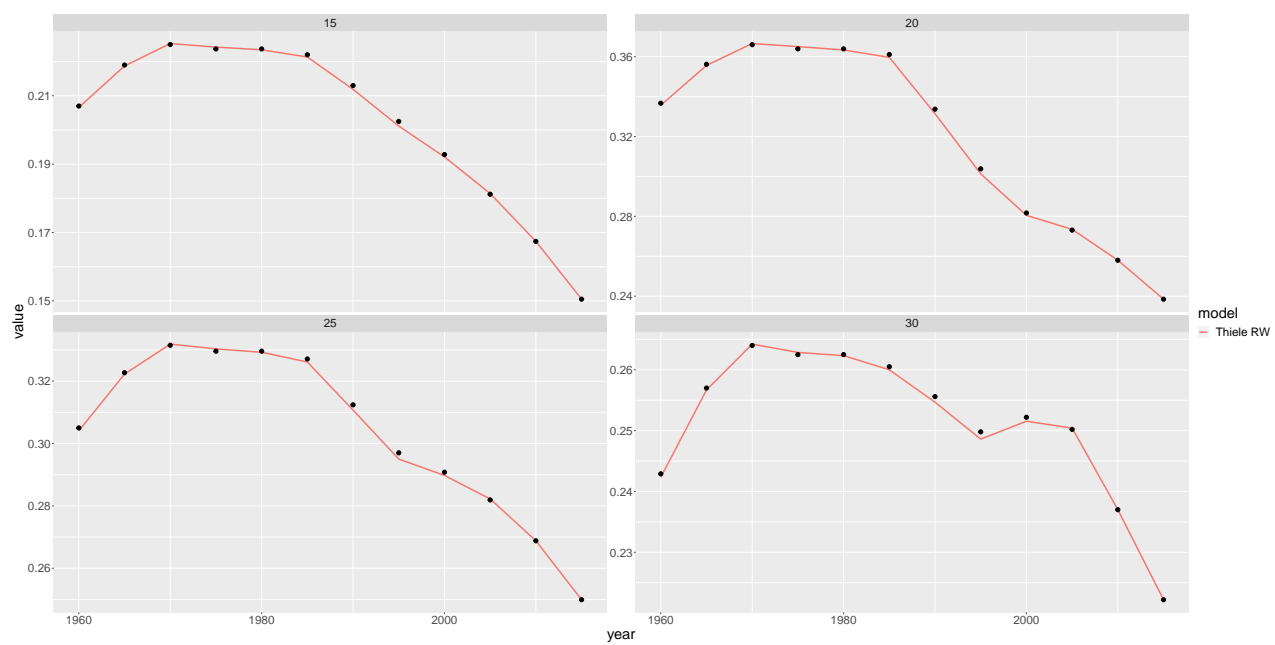


Figure 18: Fertility