Burundi

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

## # A tibble: 18 x 4
##    aggr.age  `1979`   `1990`   `2008`
## *     <dbl>   <dbl>    <dbl>    <dbl>
## 1         0 351217. 497543. 730172.
## 2         5 283841. 415359. 584011.
## 3        10 246185. 325523. 545644.
## 4        15 233752. 261023. 470991.
## 5        20 205602. 231259. 397348.
## 6        25 156787. 211697. 318152.
## 7        30 117321. 181360. 245358.
## 8        35  96868. 139136. 191601.
## 9        40  85160. 101640. 158559.
## 10       45  73888.  81254. 131553.
## 11       50  61436.  69706. 104268.
## 12       55  51258.  57935.  79485.
## 13       60  44370.  47378.  57035.
## 14       65  34656.  37458.  41254.
## 15       70  24107.  29164.  30206.
## 16       75  15919.  20905.  21783.
## 17       80   8678.  12881.  14501.
## 18       85   8387.  15012.  13832.

## [1] "Census Males"

## # A tibble: 18 x 4
##    aggr.age  `1979`   `1990`   `2008`
## *     <dbl>   <dbl>    <dbl>    <dbl>
## 1         0 346363. 495595. 709439.
## 2         5 281131. 411904. 561403.
## 3        10 243533. 321351. 513469.
## 4        15 226268. 250772. 439284.
## 5        20 194141. 212357. 373529.
## 6        25 145324. 193126. 304454.
## 7        30 104707. 169926. 242842.
## 8        35  81102. 131389. 196188.
## 9        40  68939.  92299. 164421.
## 10       45  59998.  69012. 138811.
## 11       50  49340.  57265. 112201.
## 12       55  40463.  47487.  85198.
## 13       60  34783.  38075.  59847.
## 14       65  28076.  30203.  41328.
## 15       70  21455.  24448.  28893.
## 16       75  15673.  18359.  20283.
## 17       80   9392.  12236.  13600.
## 18       85  12196.  16557.  14153.
```

Thiele log-Normal Hump RW

```
##    user  system elapsed
##   19.70    0.27   20.06
```
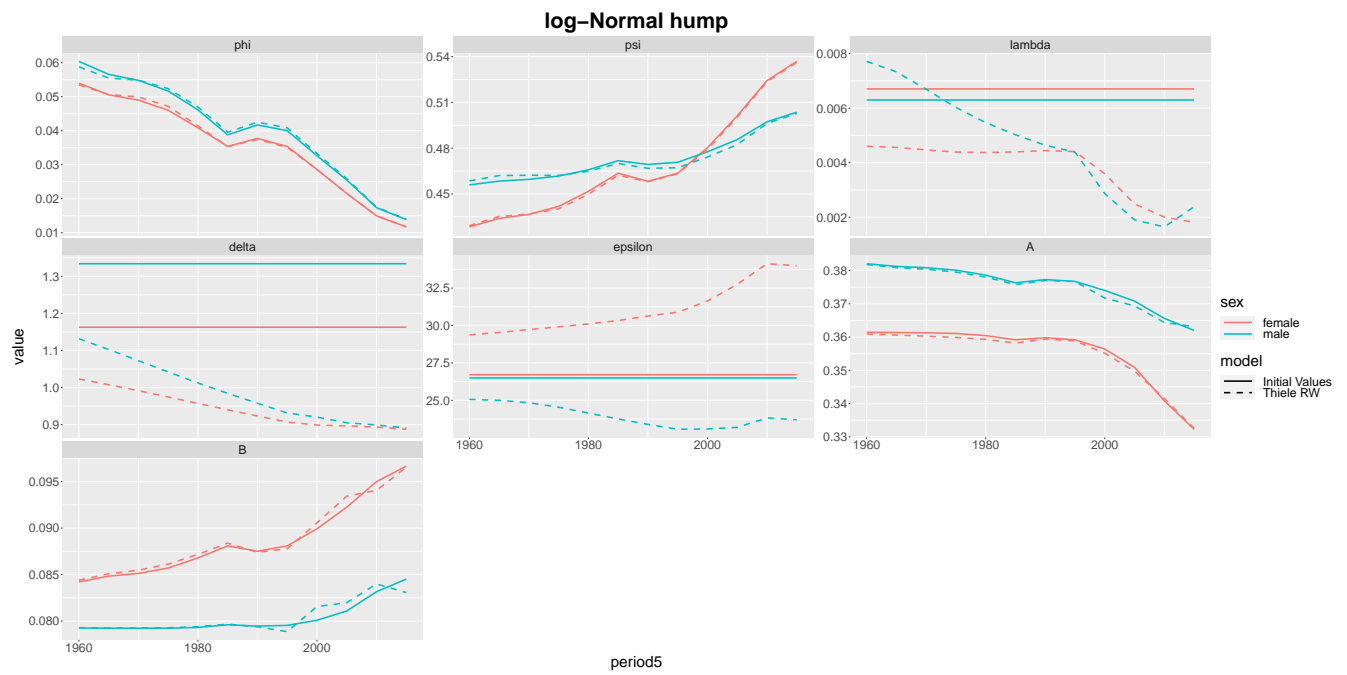
```
## [1] "relative convergence (4)"
```
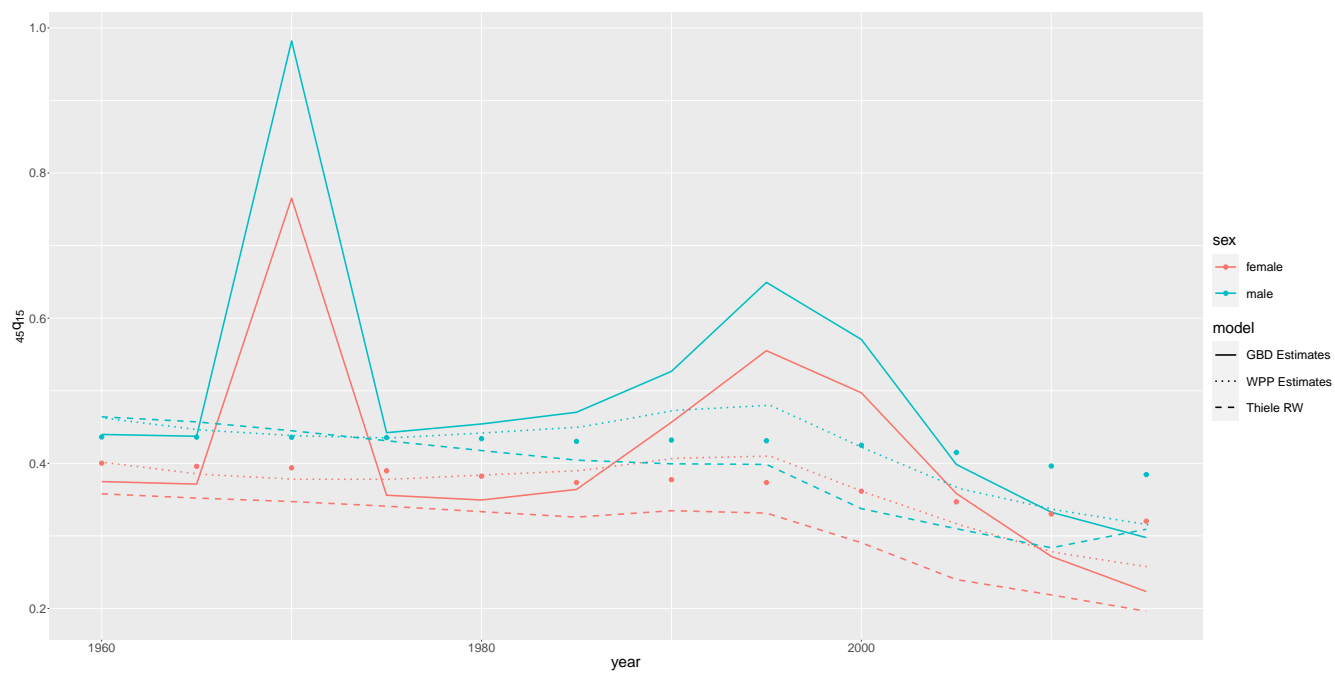
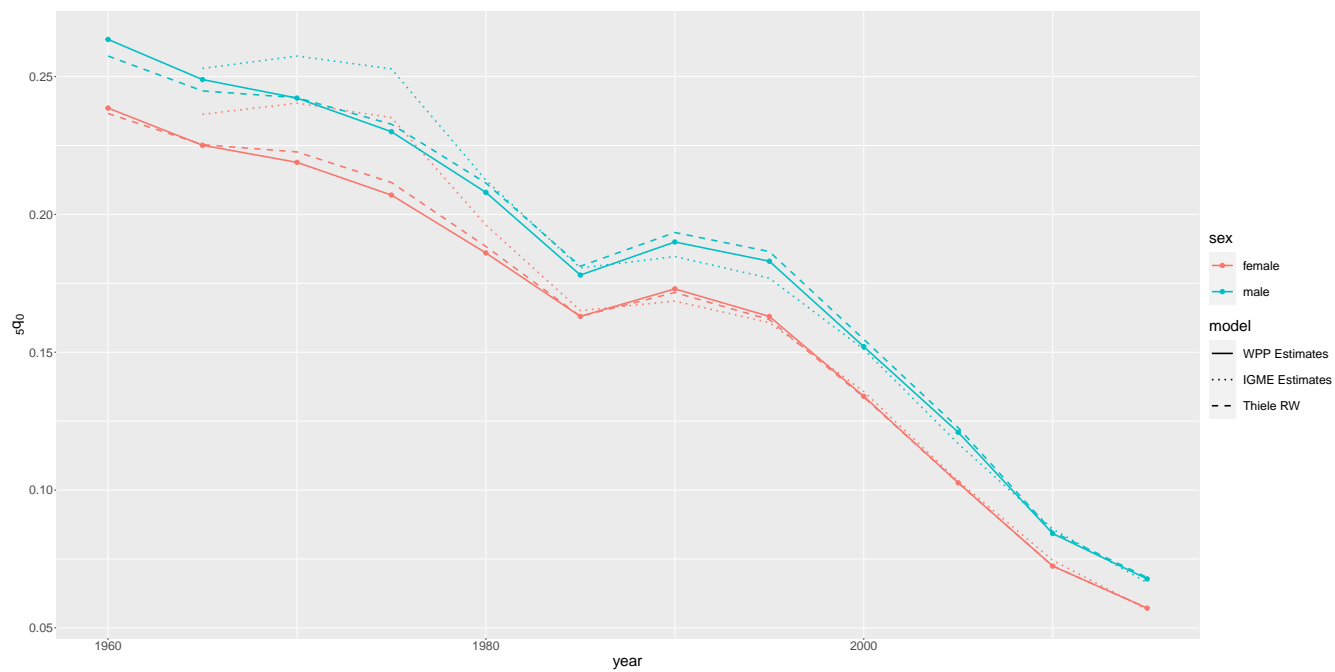Figure 1: Estimated parameters

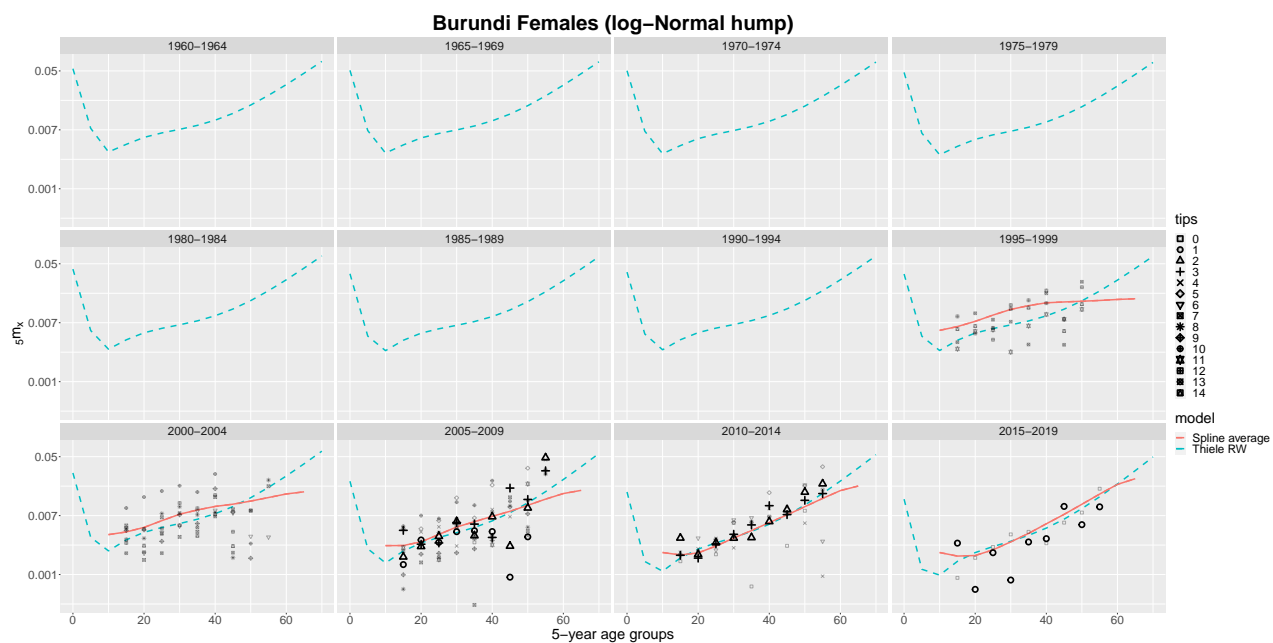Figure 2: Estimated $_{45}q_{15}$

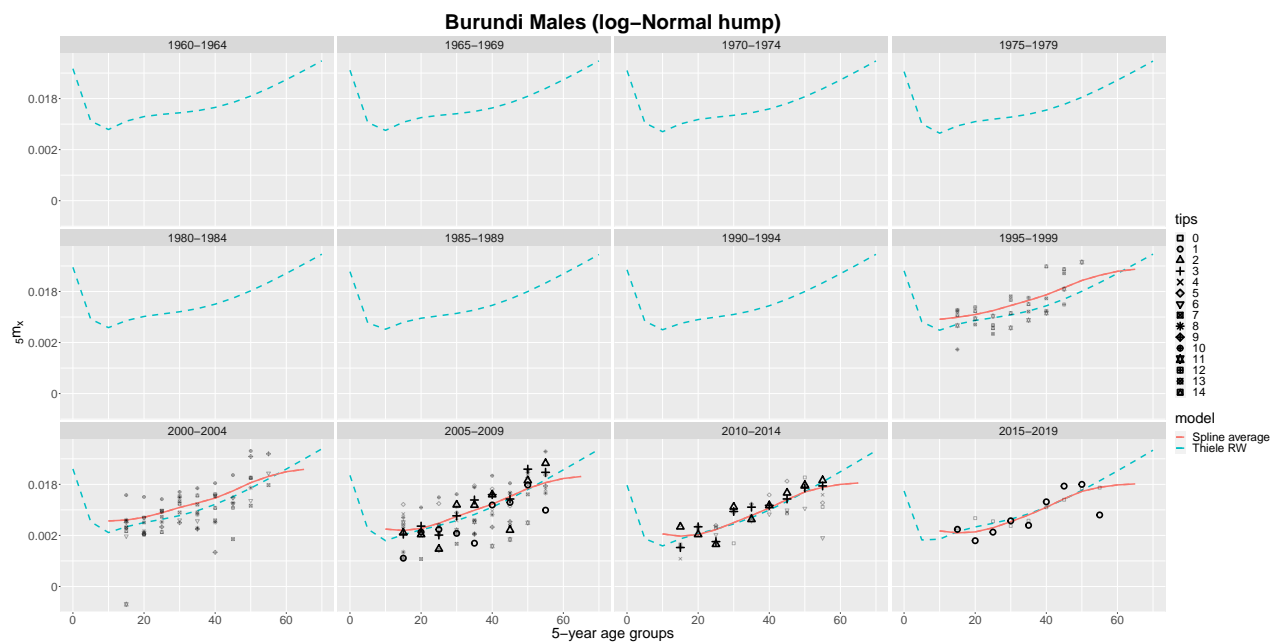Figure 3: Estimated $_5q_0$

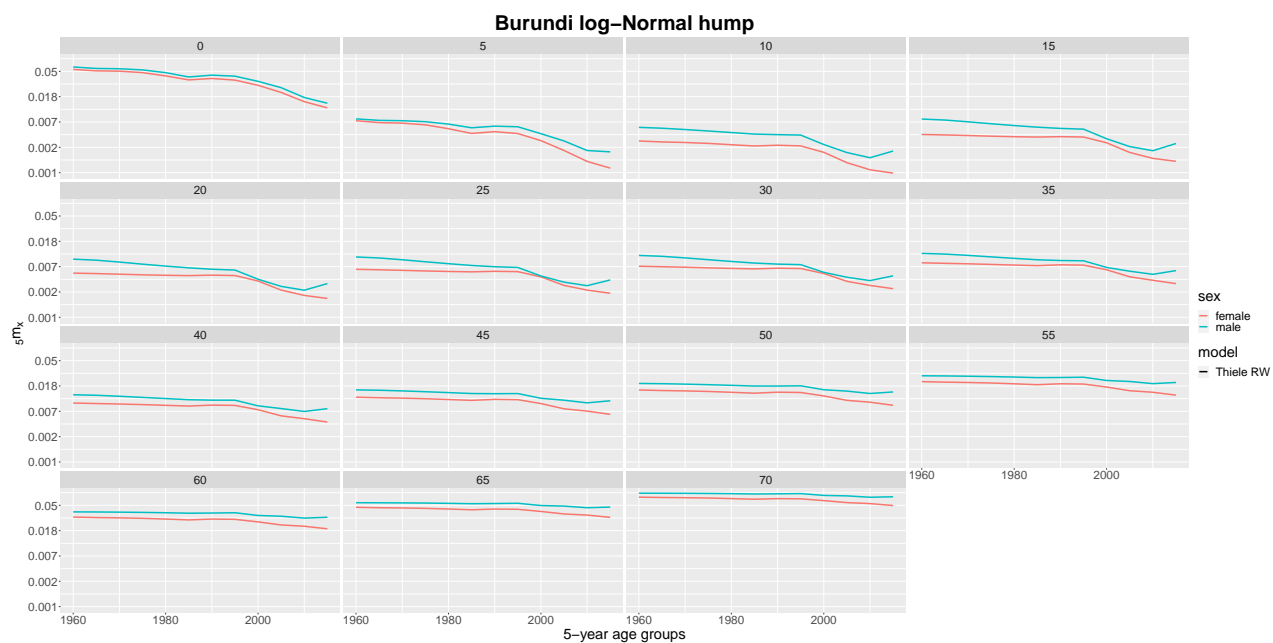Figure 4: Mortality Schedules

Figure 5: Mortality Schedules

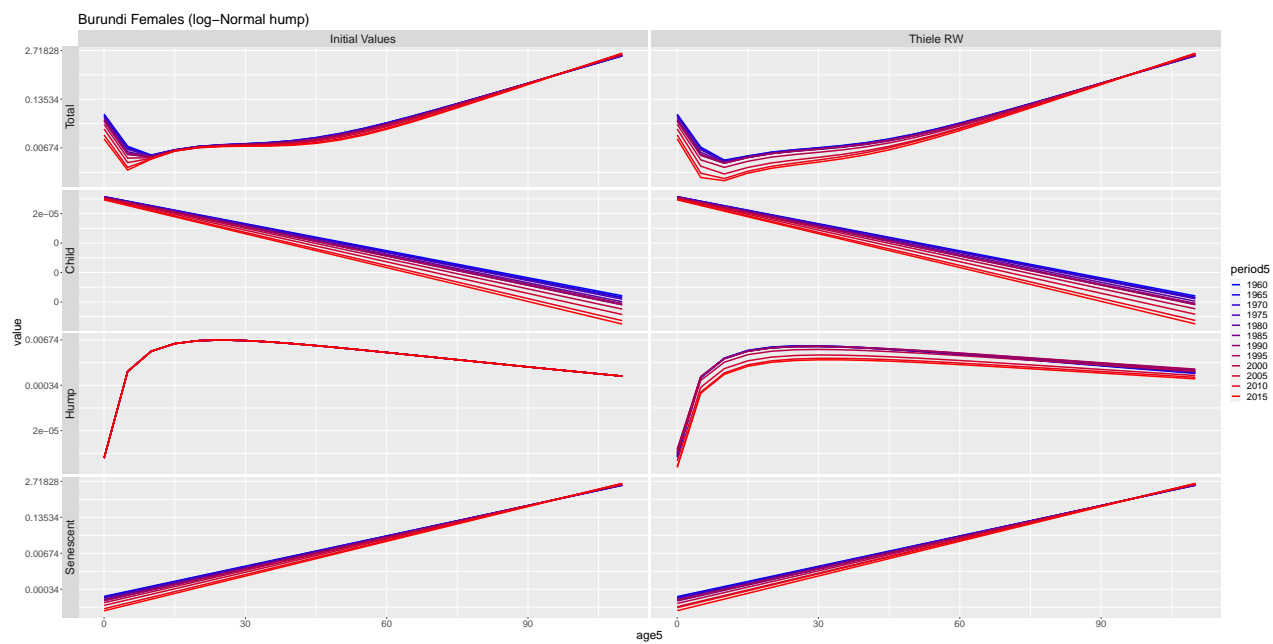Figure 6: Mortality Schedules

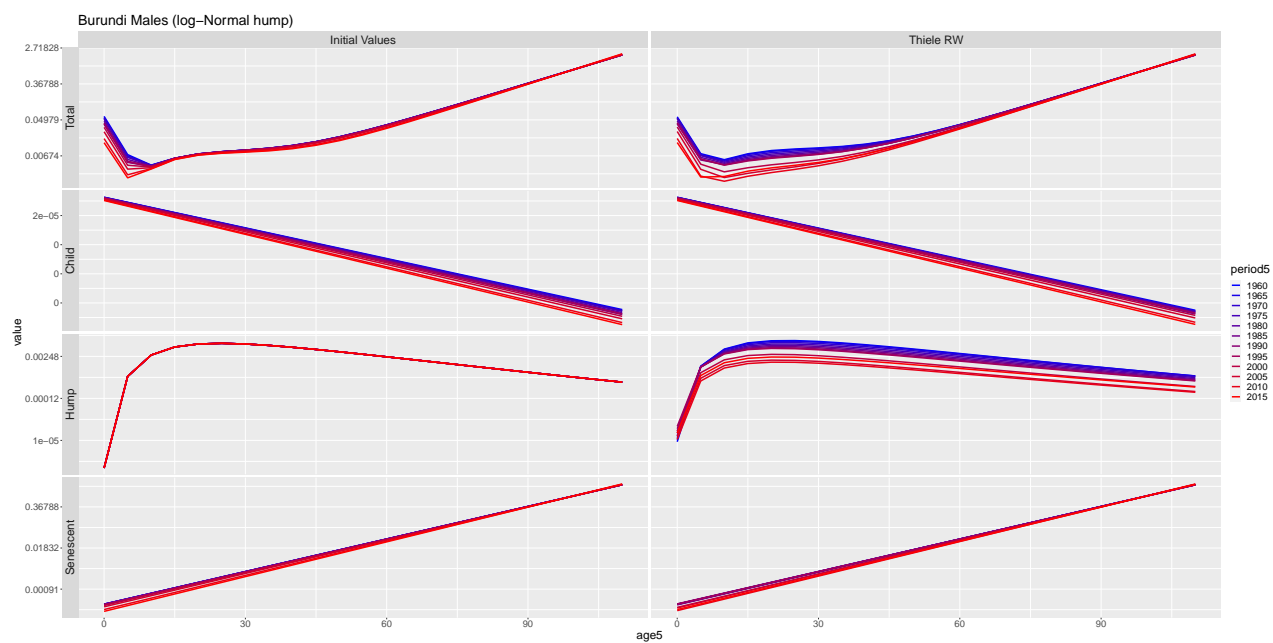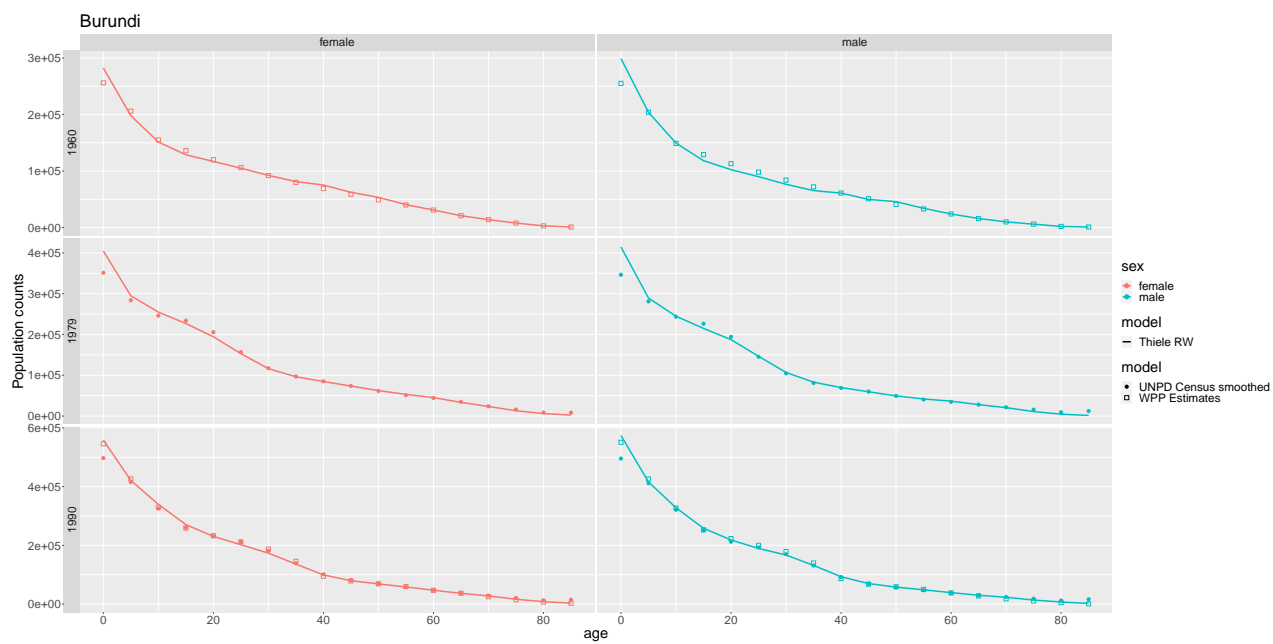Figure 7: Thiele Decomposed

Figure 8: Thiele Decomposed
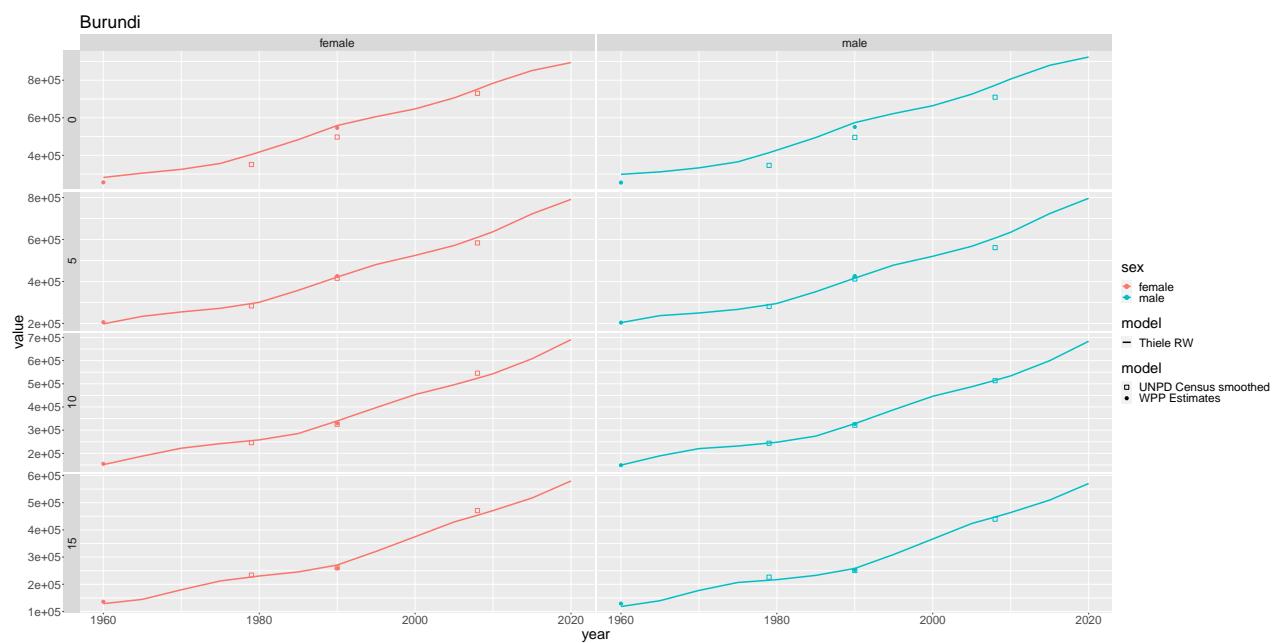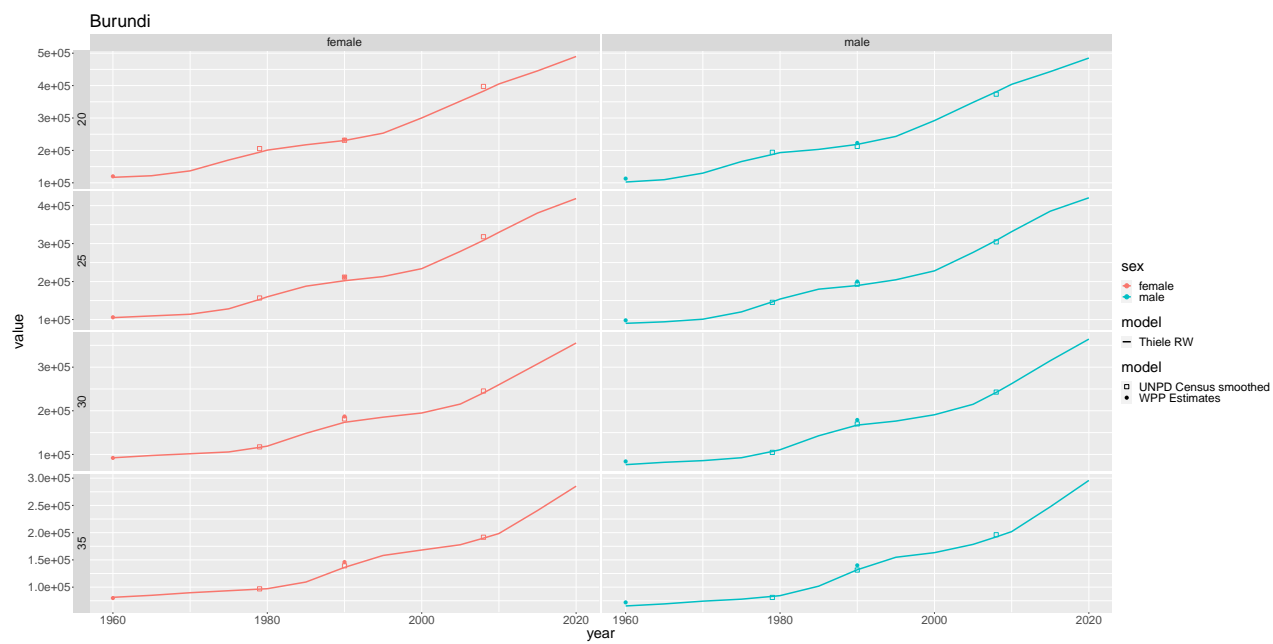

Figure 9: Population
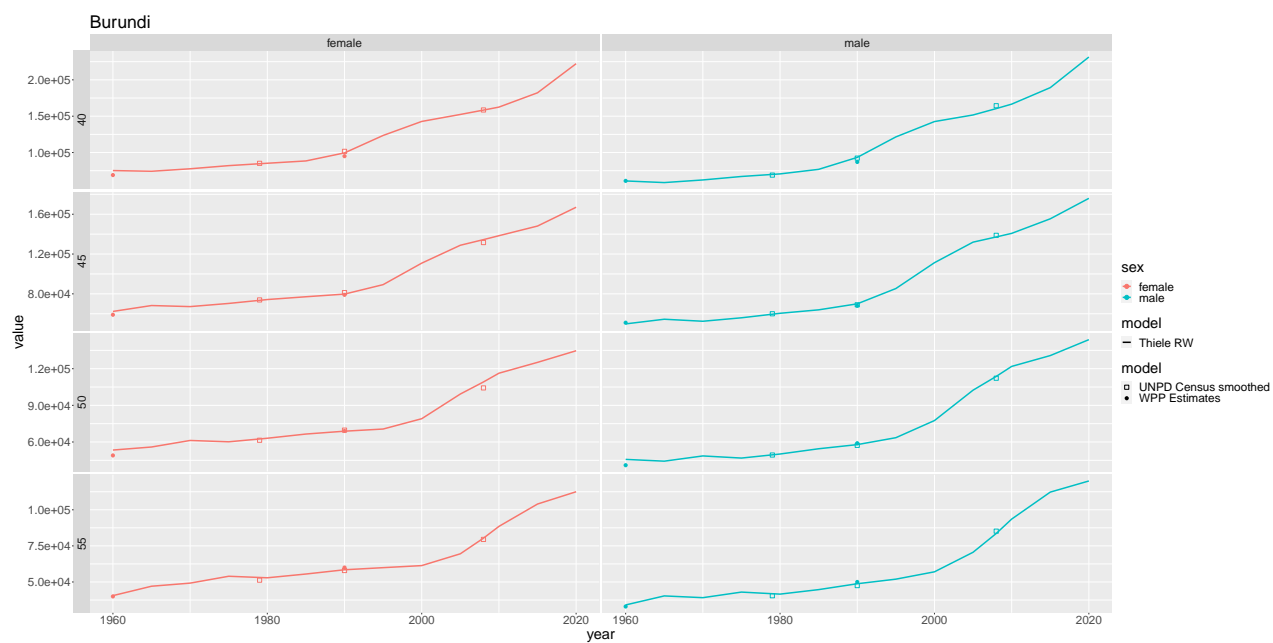
Figure 10: Population

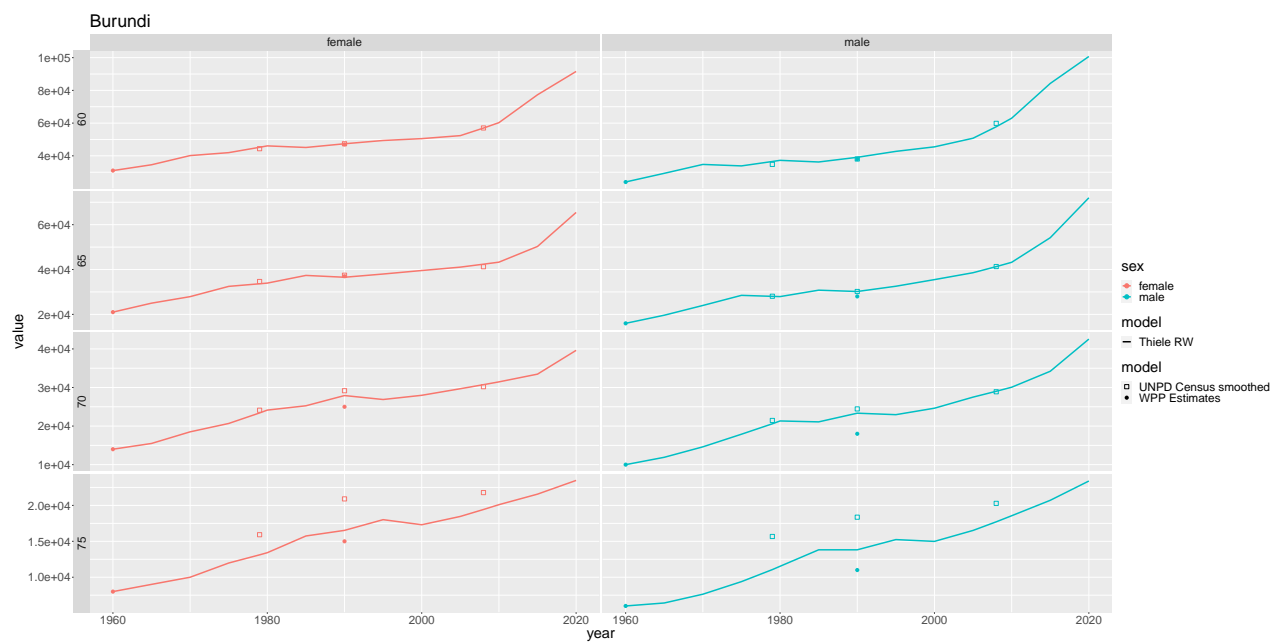Figure 11: Population
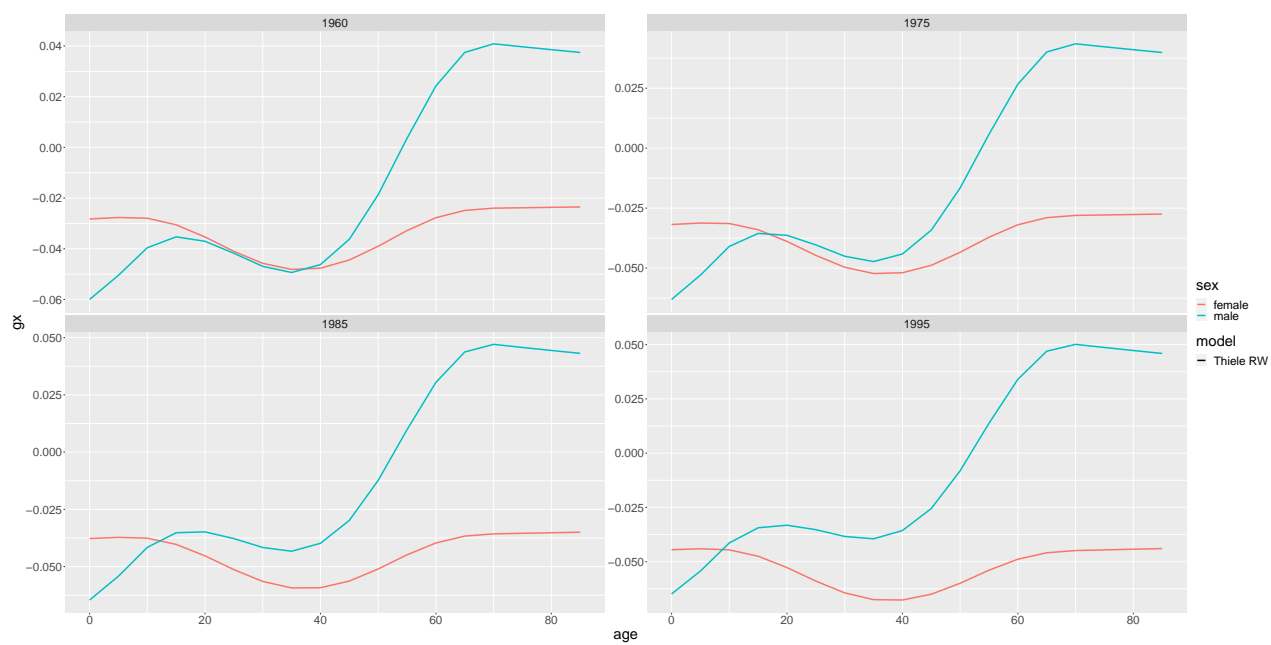
8

Figure 12: Population

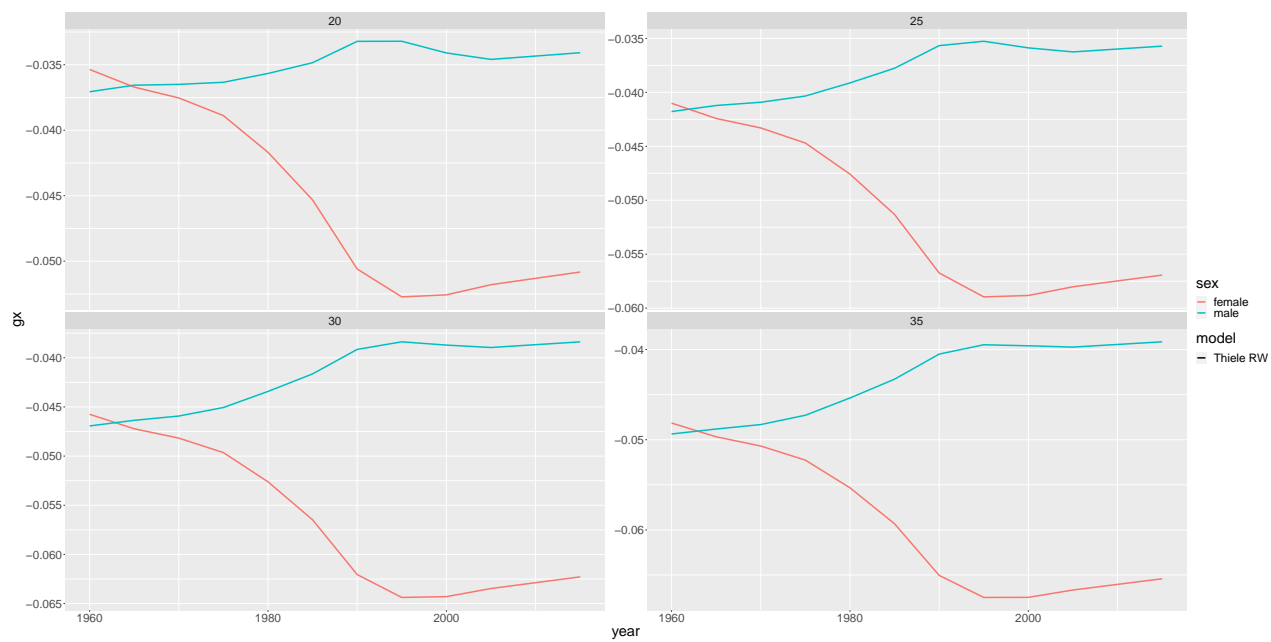Figure 13: Population
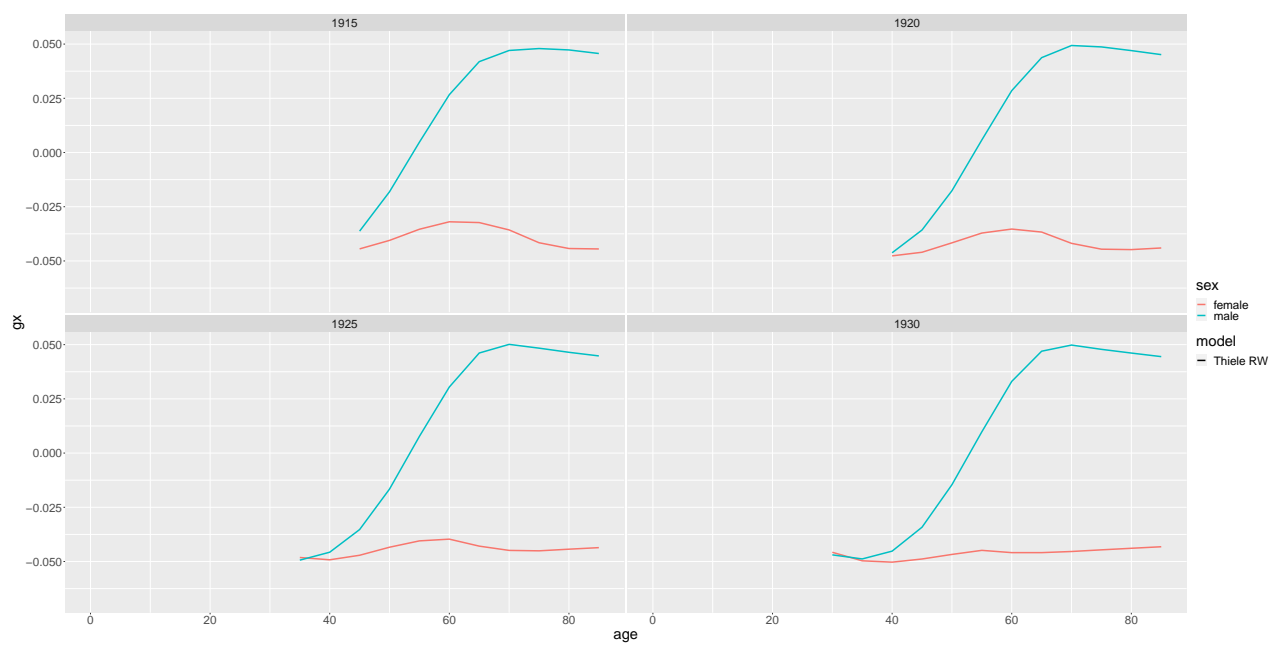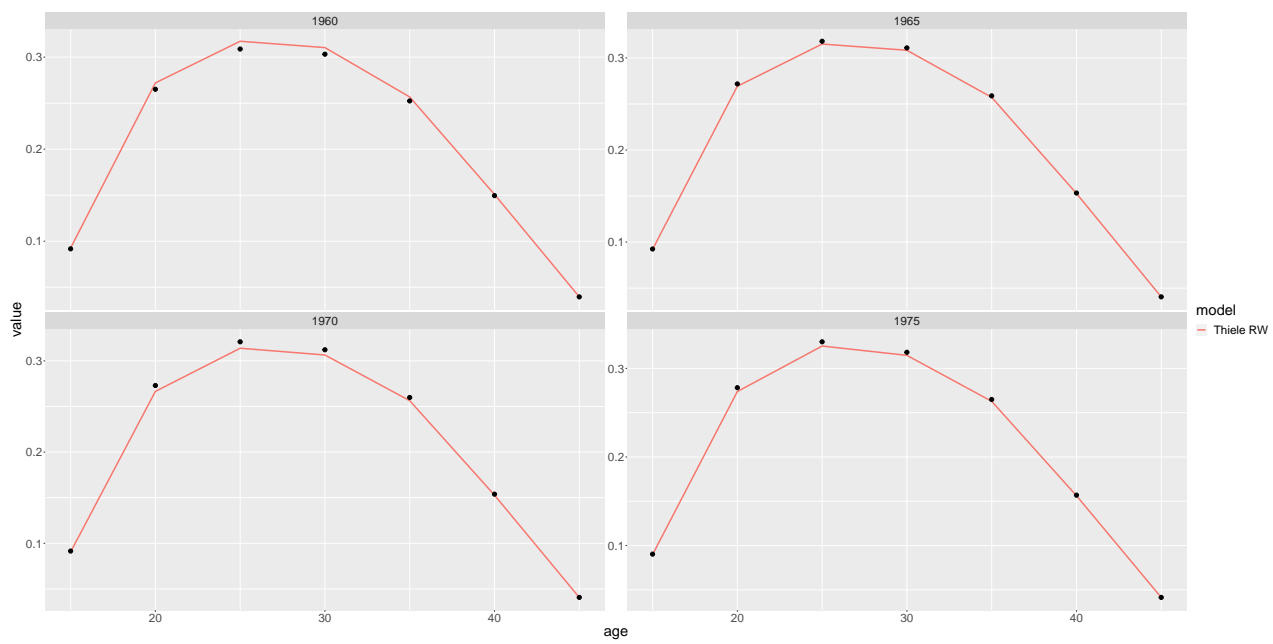
Figure 14: Migration

Figure 15: Migration
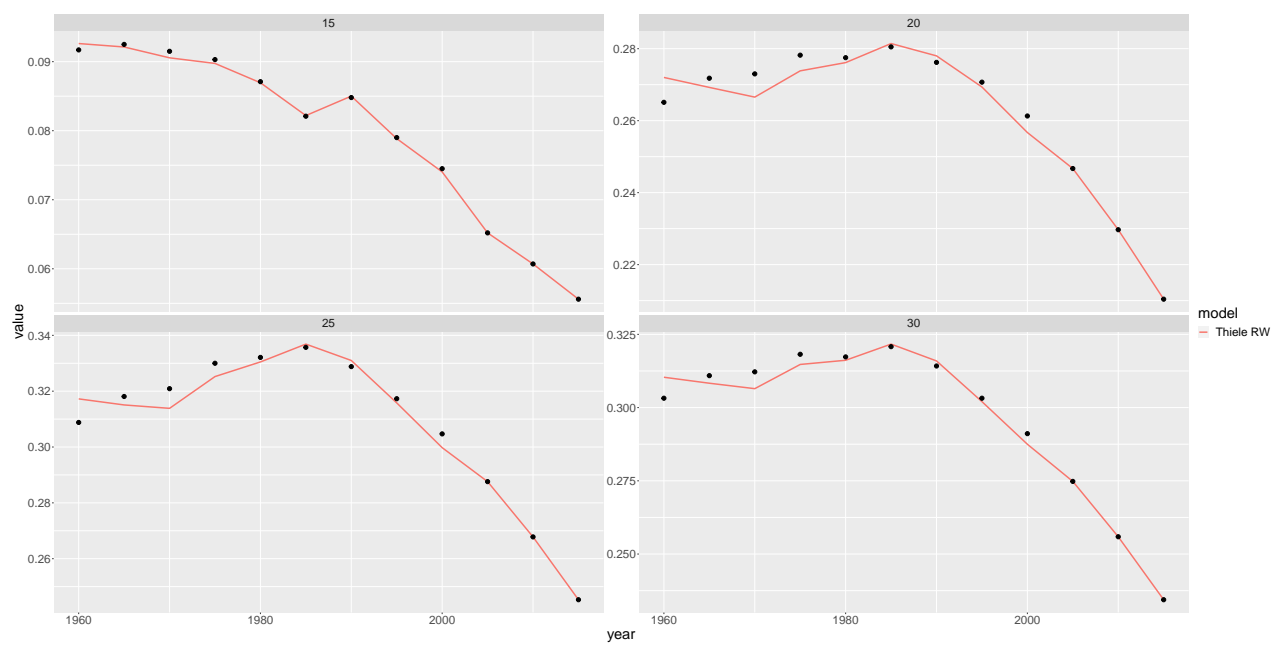
Figure 16: Migration

Figure 17: Fertility

Figure 18: Fertility