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
##   16.17    0.35   16.51
```
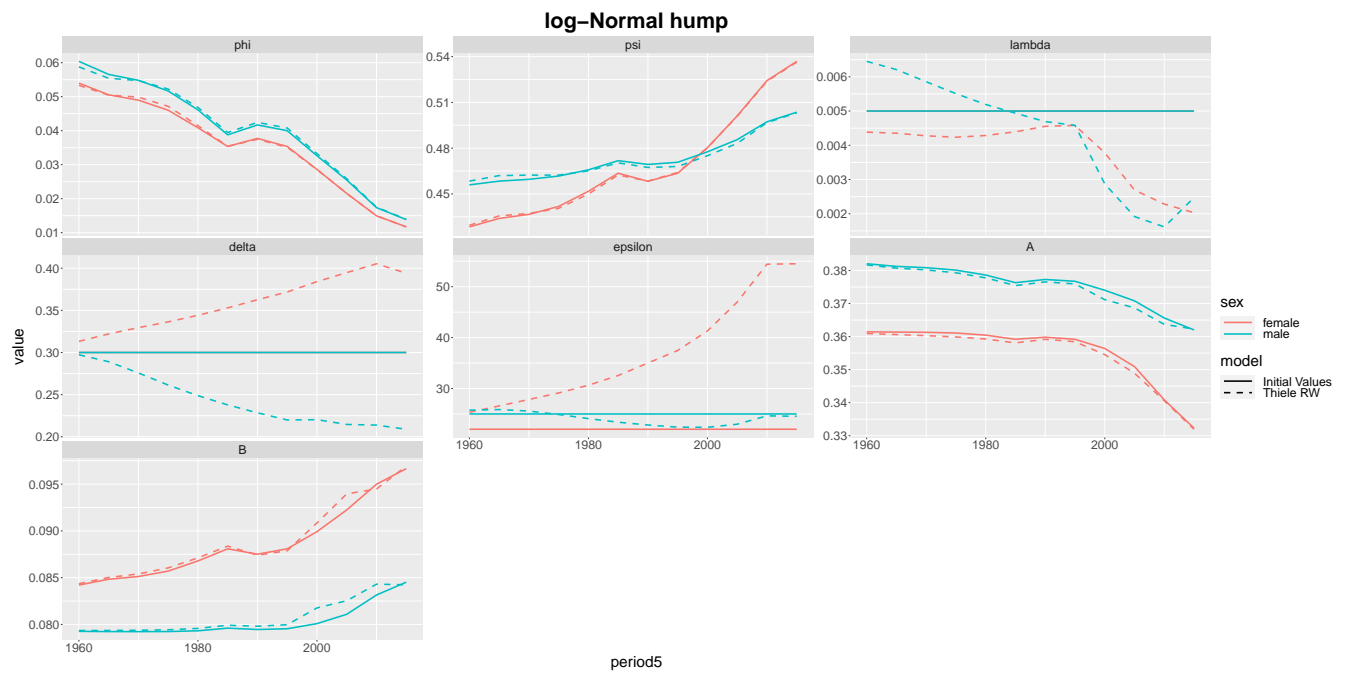
```
## [1] "relative convergence (4)"
```
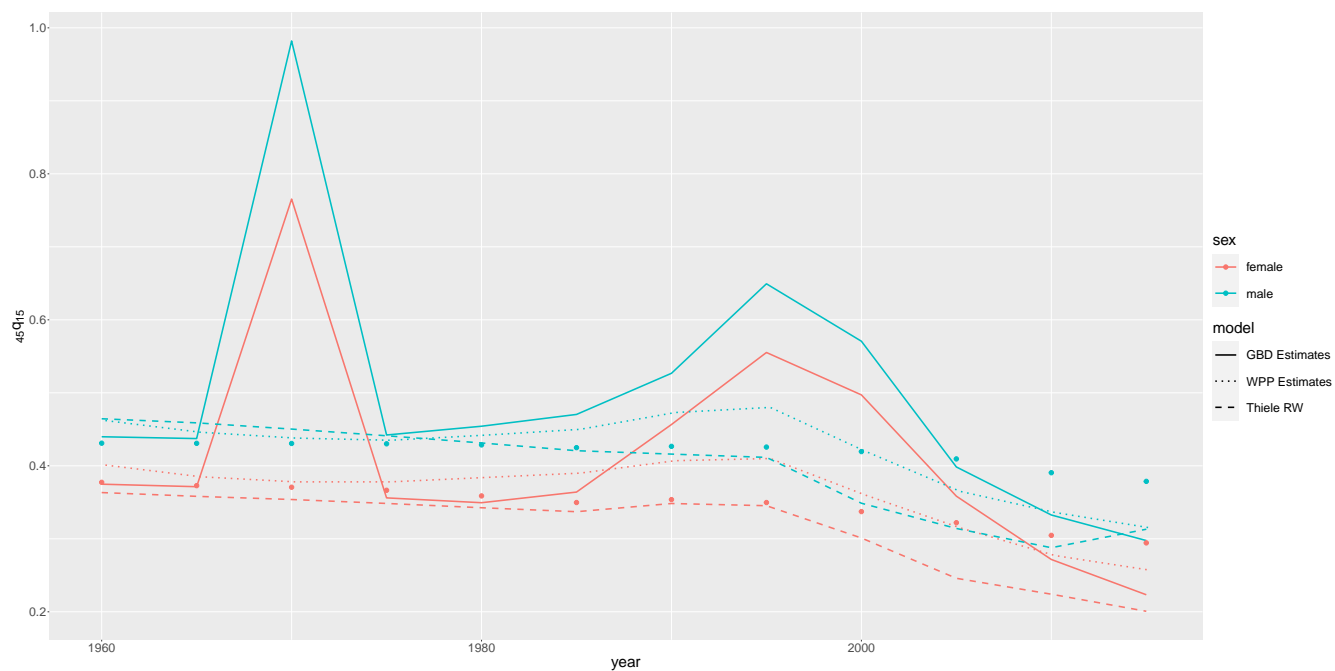
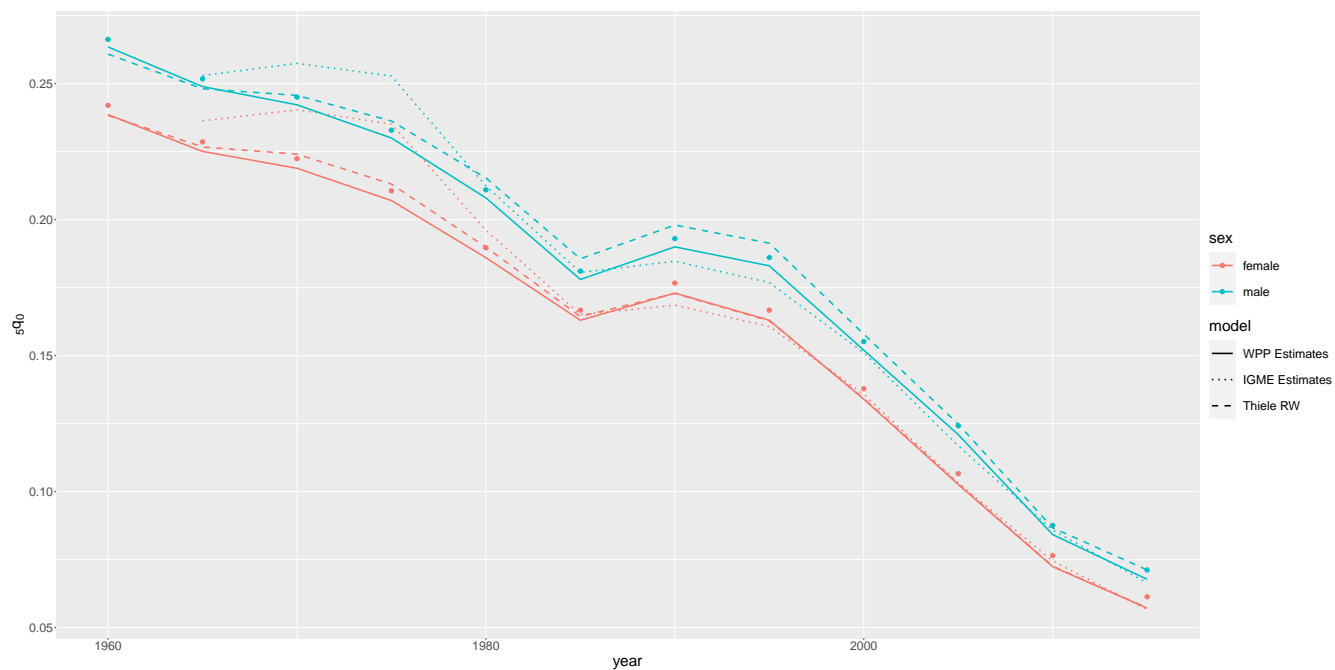Figure 1: Estimated parameters

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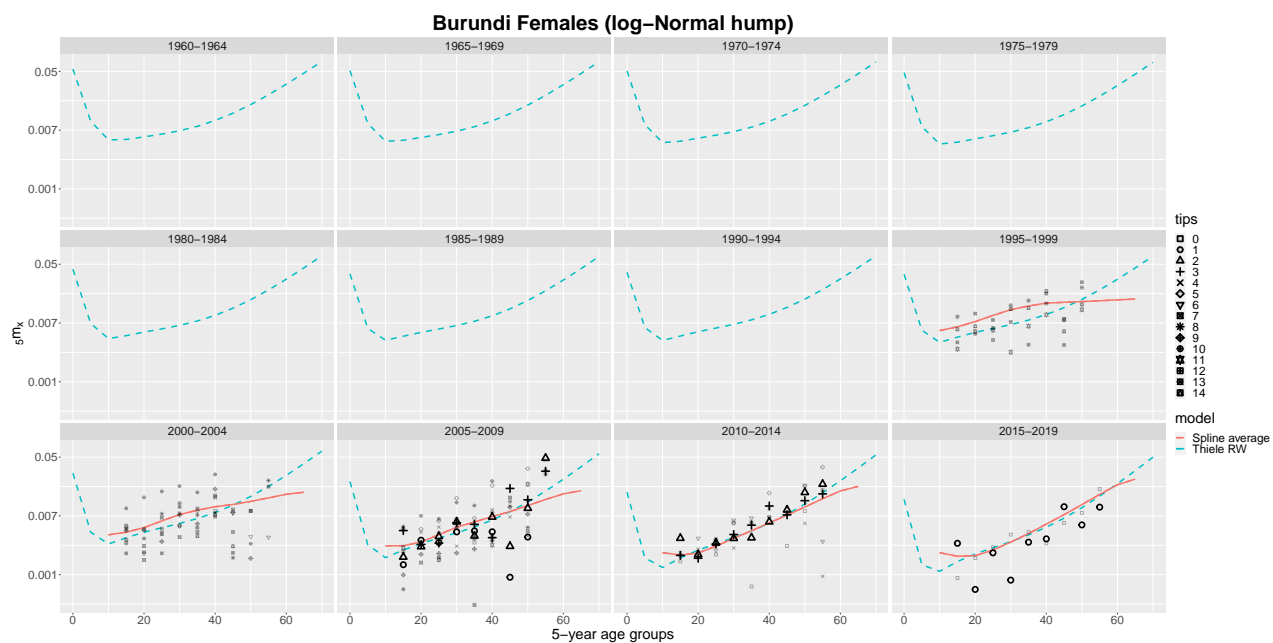

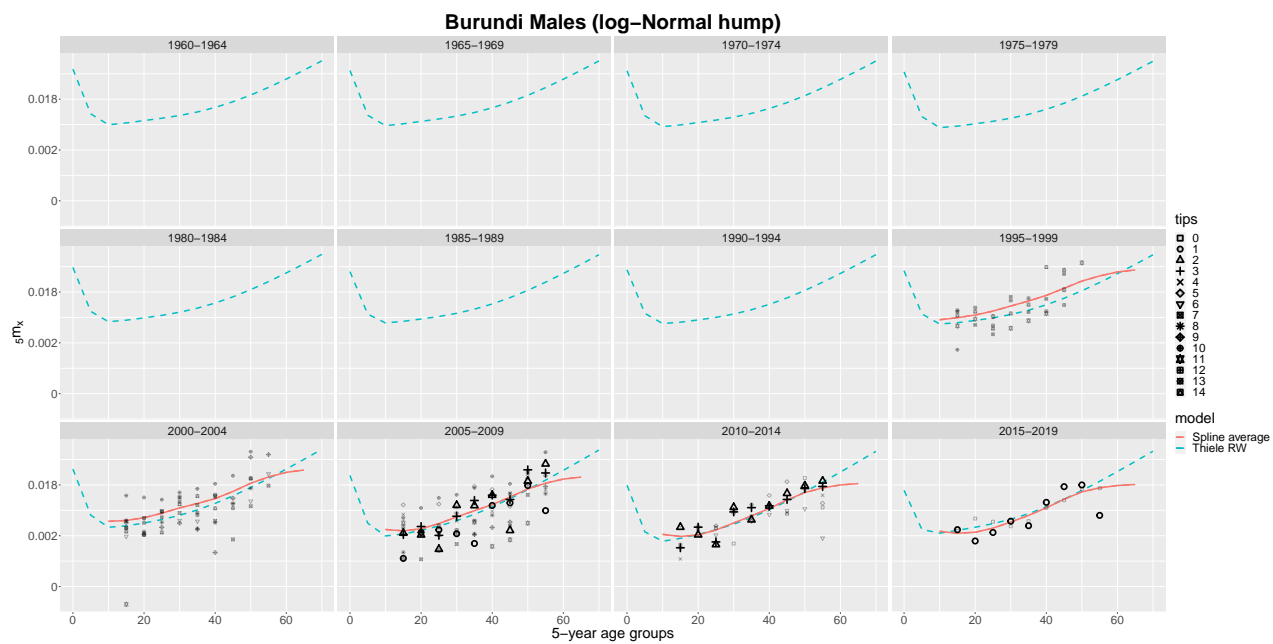Figure 3: Estimated $_{5}q_{0}$

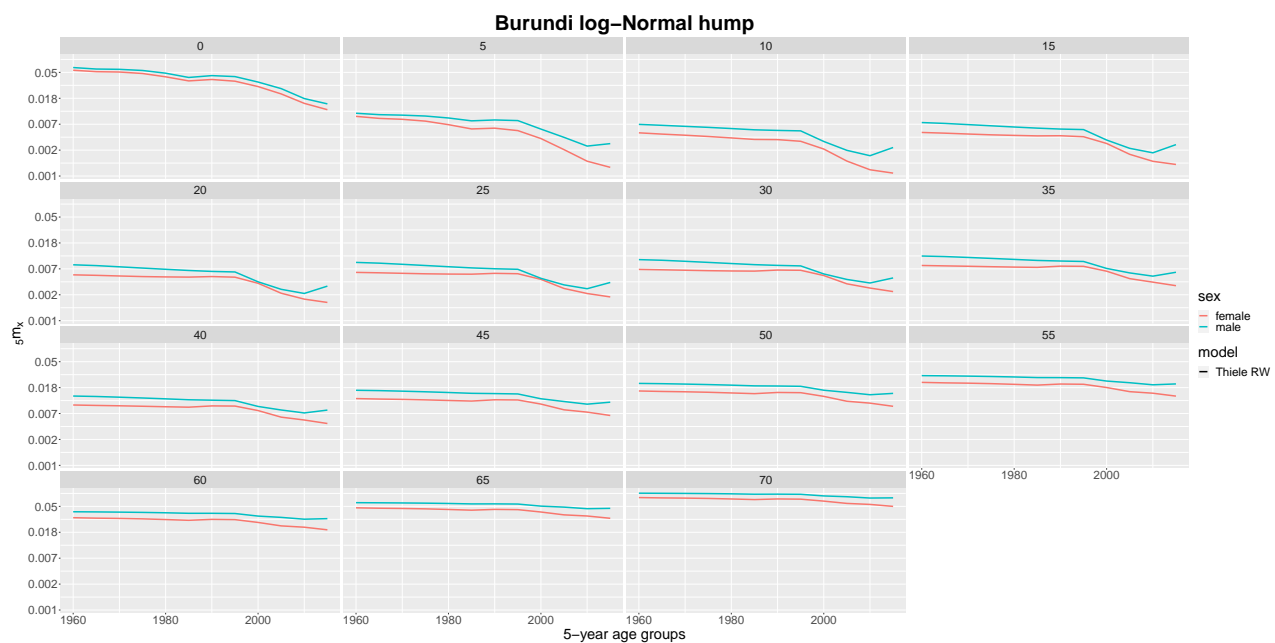Figure 4: Mortality Schedules

Figure 5: Mortality Schedules
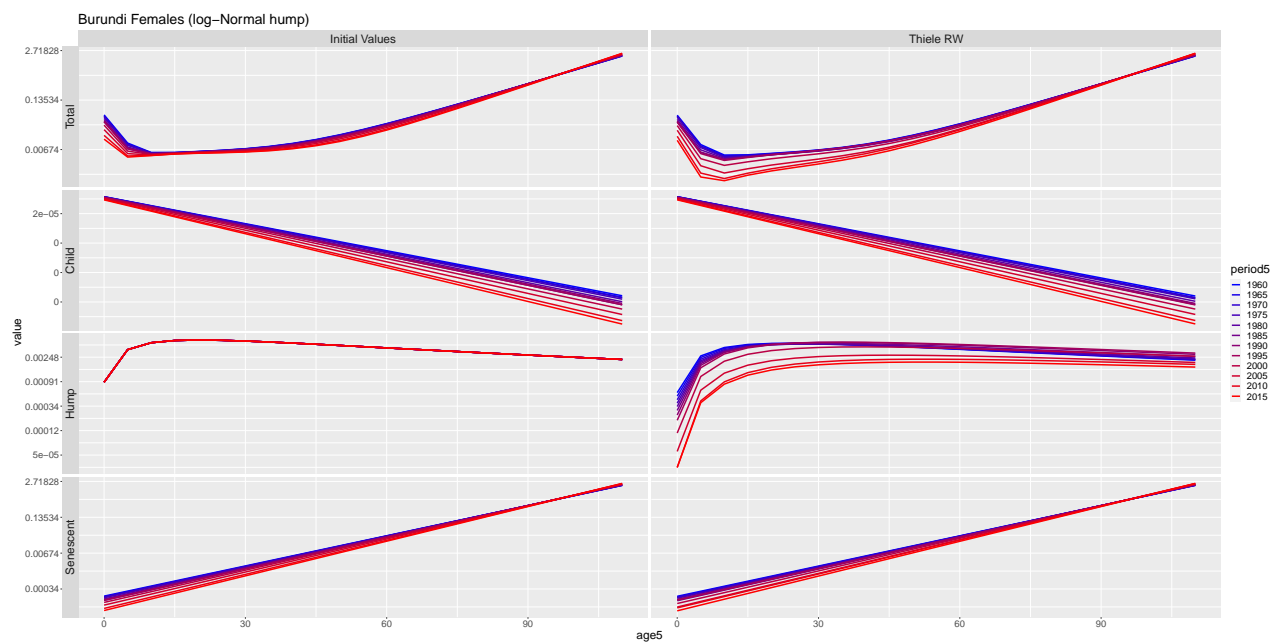
Figure 6: Mortality Schedules
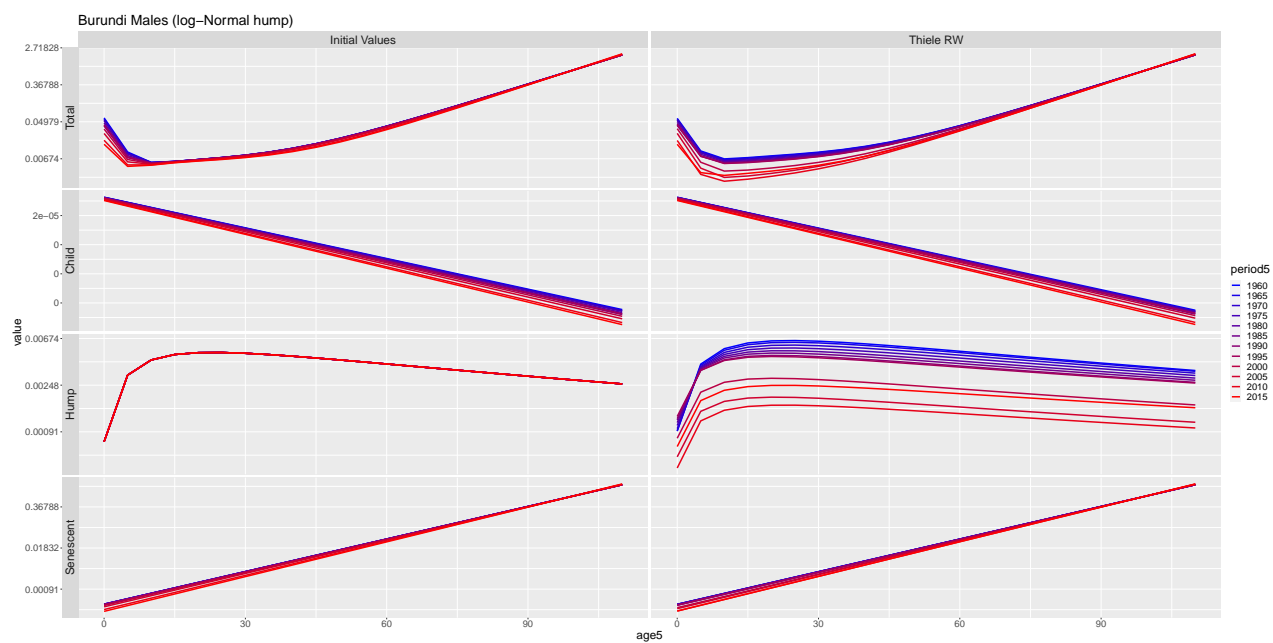

Figure 7: Thiele Decomposed
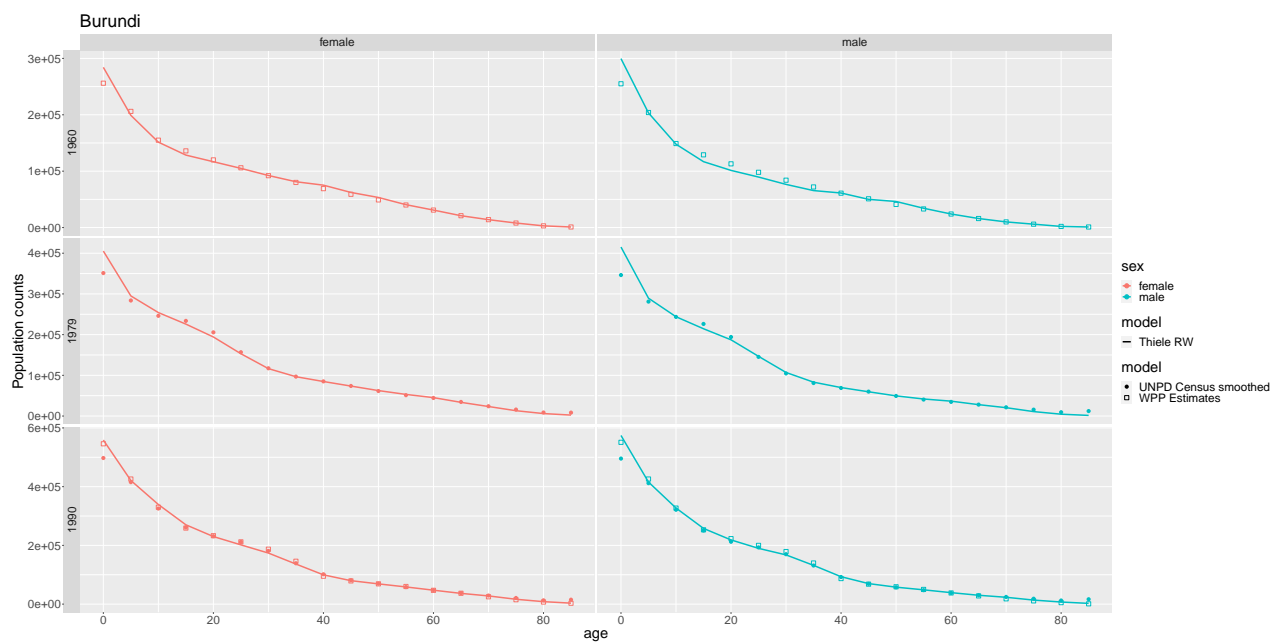
Figure 8: Thiele Decomposed
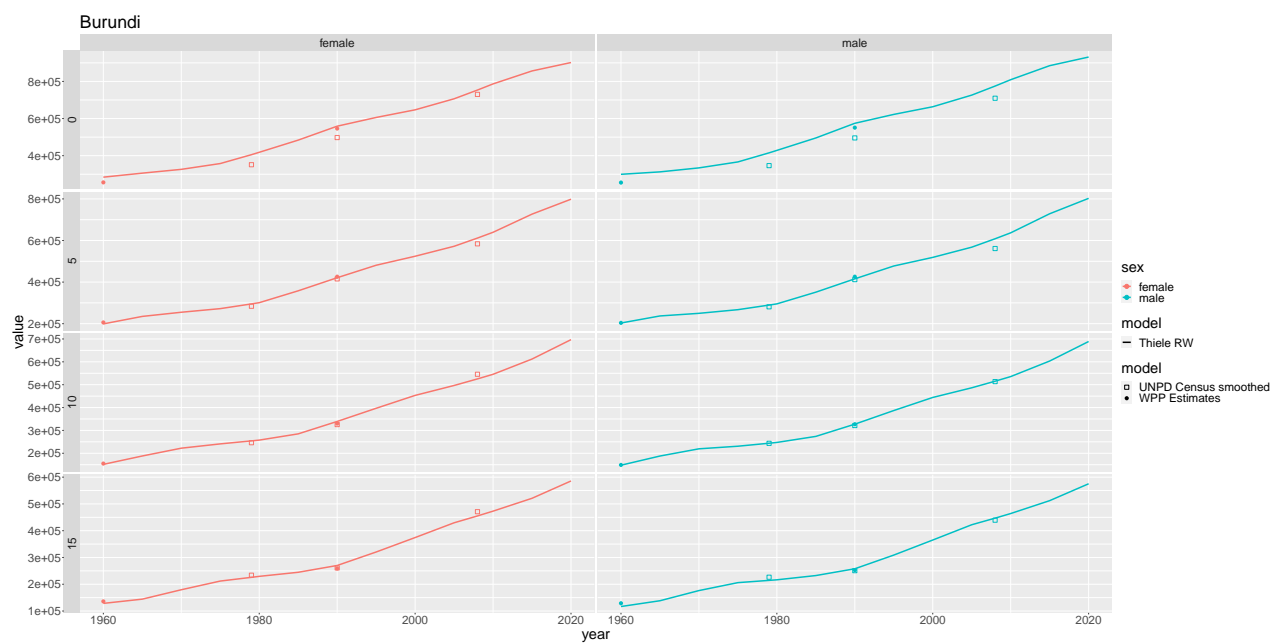

Figure 9: Population
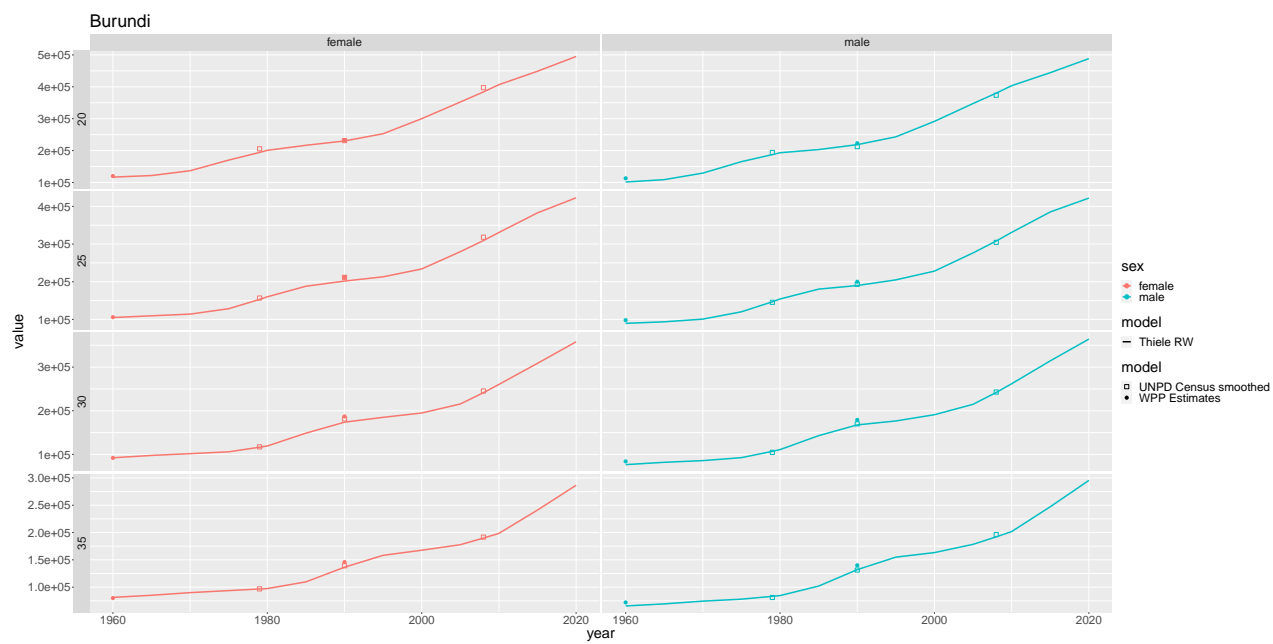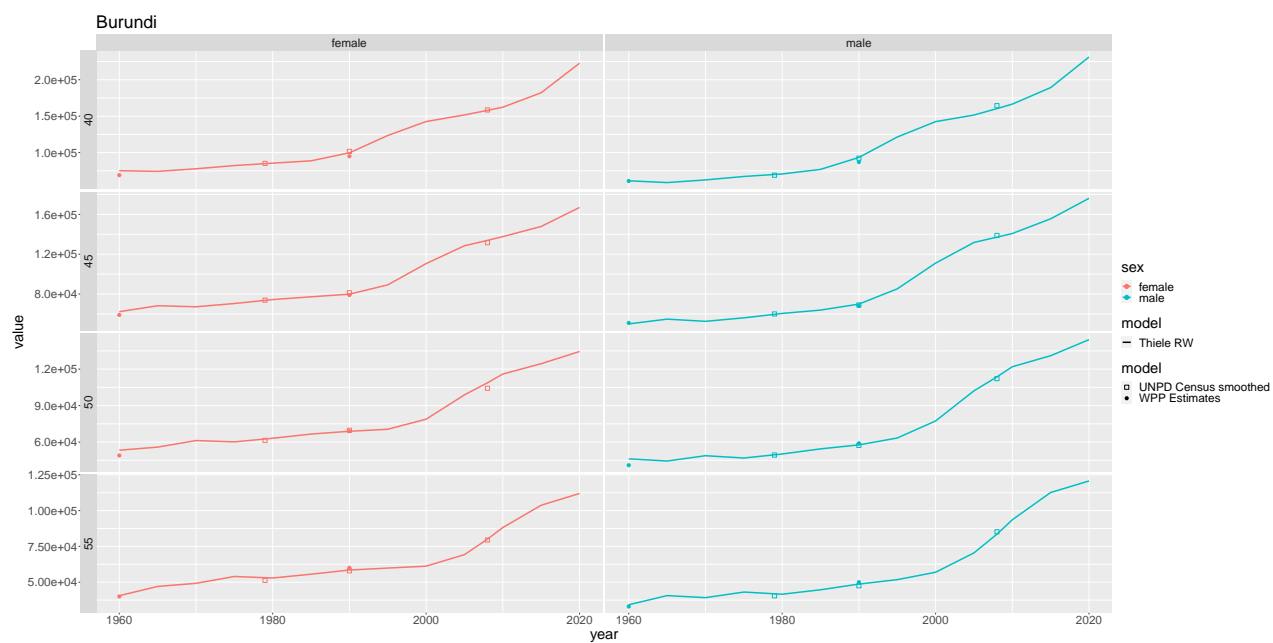
Figure 10: Population

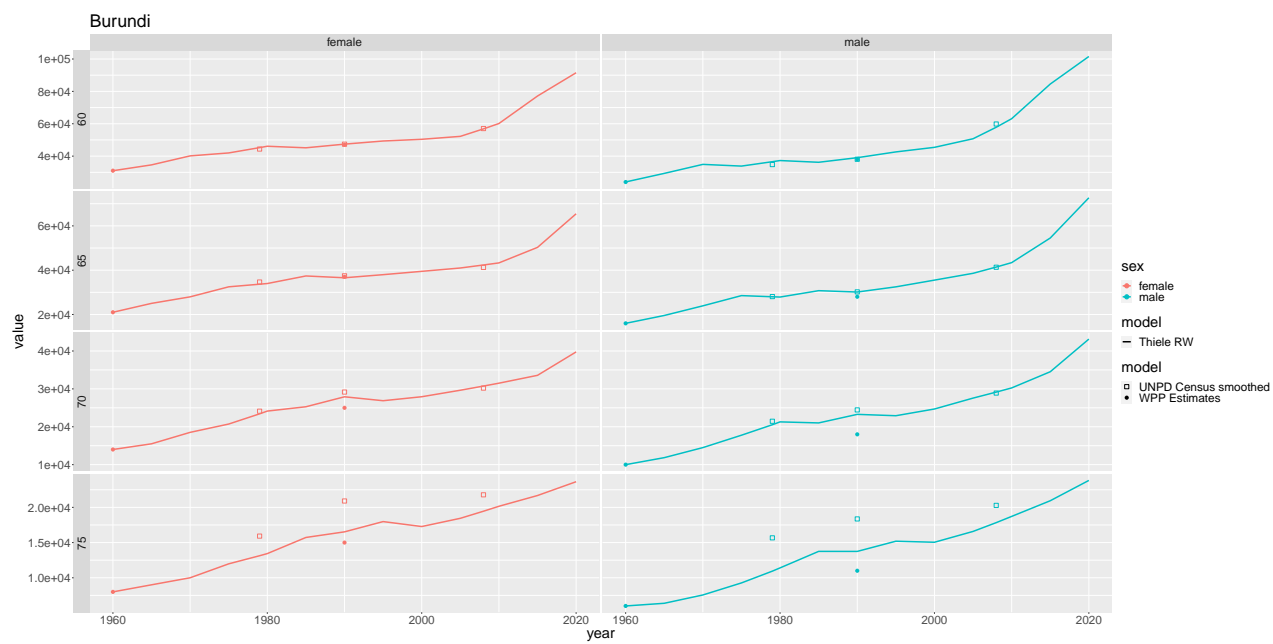Figure 11: Population
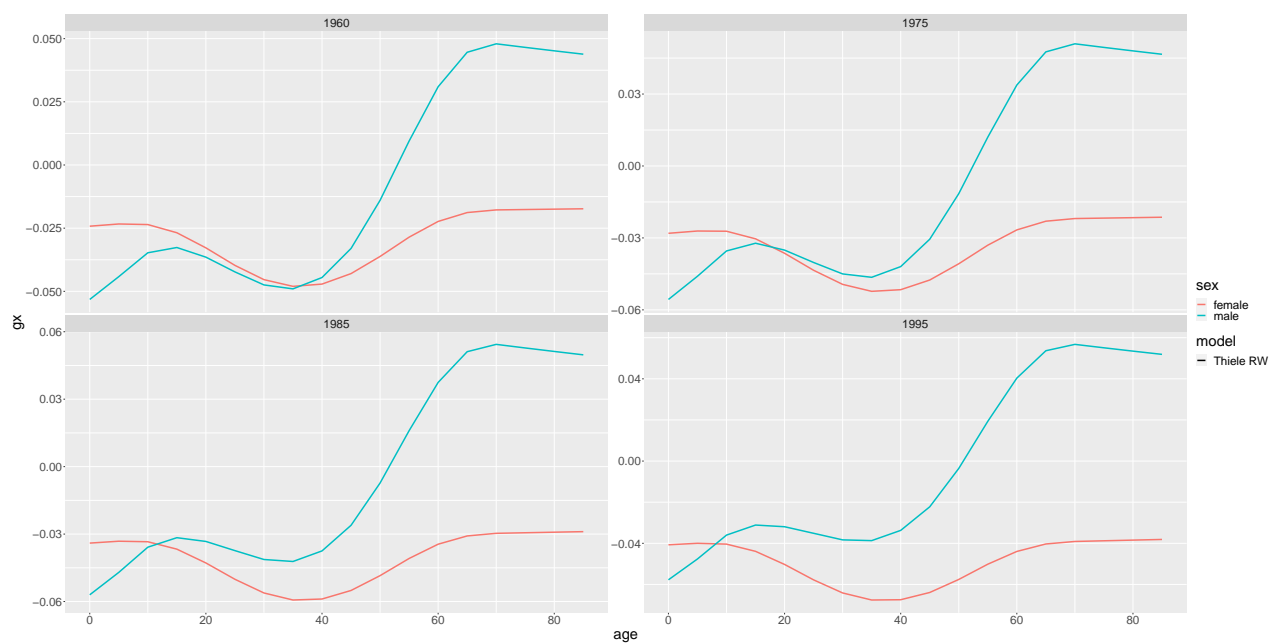
Figure 12: Population
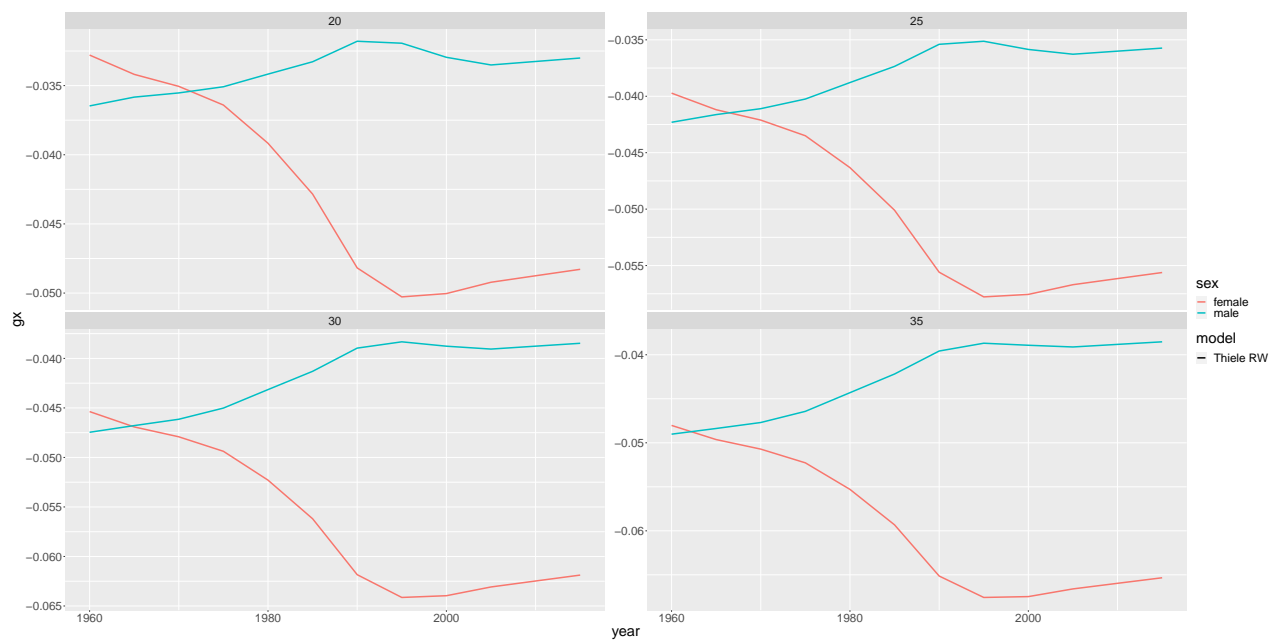

Figure 13: Population

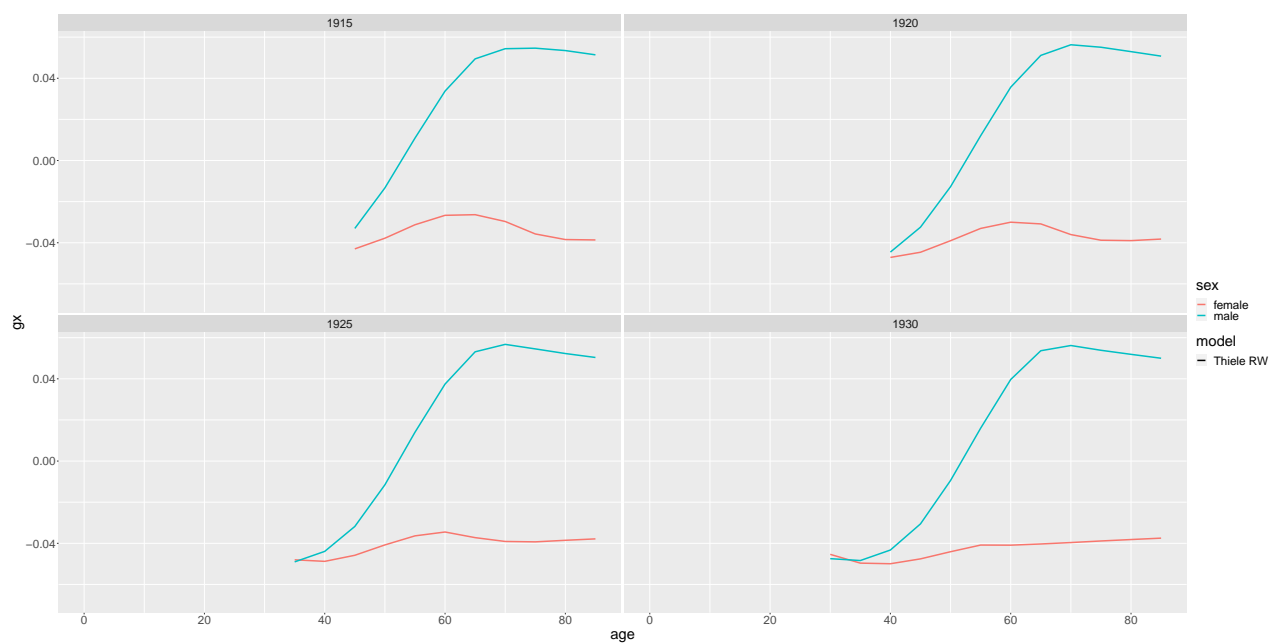Figure 14: Migration

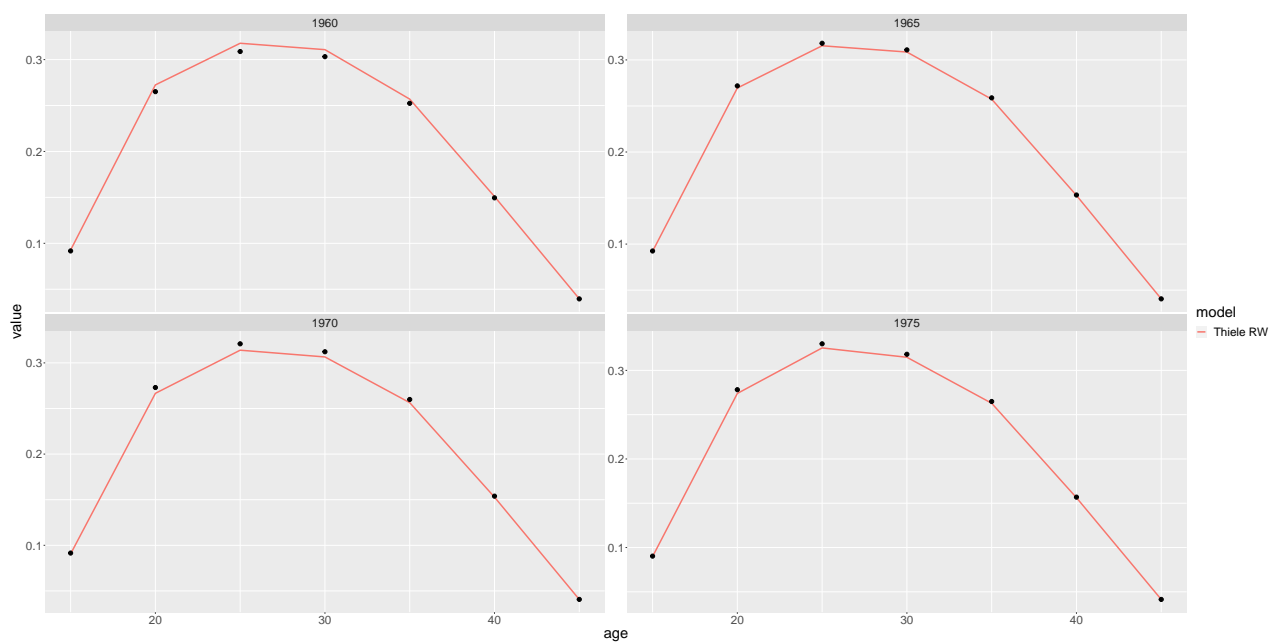Figure 15: Migration
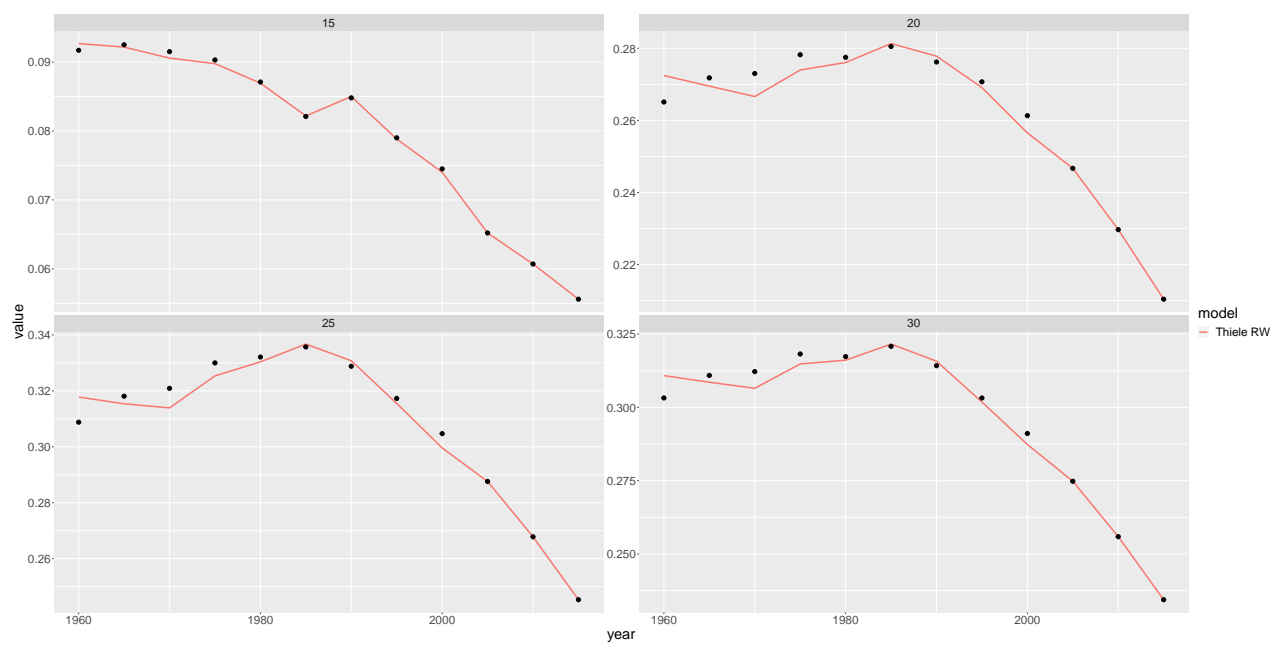
Figure 16: Migration

Figure 17: Fertility

11

Figure 18: Fertility