## Burundi

```
## [1] "Census Females"
## # A tibble: 18 x 4
      aggr.age `1979`
##
                        `1990`
                                 `2008`
##
         <dbl>
                 <dbl>
                         <dbl>
                                  <dbl>
##
   1
             0 351217. 497543. 730172.
##
             5 283841. 415359. 584011.
##
            10 246185. 325523. 545644.
   3
##
            15 233752. 261023. 470991.
##
   5
            20 205602. 231259. 397348.
##
   6
            25 156787. 211697. 318152.
##
   7
            30 117321. 181360. 245358.
##
   8
                96868. 139136. 191601.
##
   9
                85160. 101640. 158559.
            40
                73888. 81254. 131553.
## 10
            45
                        69706. 104268.
## 11
            50
                61436.
##
  12
            55
                51258.
                        57935. 79485.
                        47378.
##
  13
            60
                44370.
                                 57035.
## 14
            65
                34656.
                        37458. 41254.
                        29164.
                                 30206.
## 15
            70
                24107.
## 16
            75
                15919.
                        20905.
                                 21783.
## 17
            80
                 8678.
                        12881. 14501.
            85
                 8387.
                        15012.
## 18
                                 13832.
## [1] "Census Males"
  # A tibble: 18 x 4
##
      aggr.age
               `1979`
                        `1990`
                                 `2008`
##
         <dbl>
                 <dbl>
                          <dbl>
##
             0 346363. 495595. 709439.
   1
##
   2
             5 281131. 411904. 561403.
            10 243533. 321351. 513469.
   3
##
            15 226268. 250772. 439284.
##
    4
##
   5
            20 194141. 212357. 373529.
##
   6
            25 145324. 193126. 304454.
            30 104707. 169926. 242842.
##
   7
                81102. 131389. 196188.
##
   8
            35
##
   9
                68939. 92299. 164421.
            40
## 10
            45
                59998. 69012. 138811.
                        57265. 112201.
## 11
            50
                49340.
## 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 ## 32.20 0.39 33.09 ## [1] "relative convergence (4)"

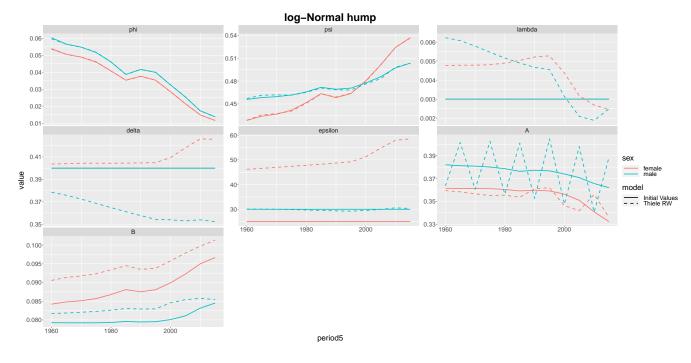


Figure 1: Estimated parameters

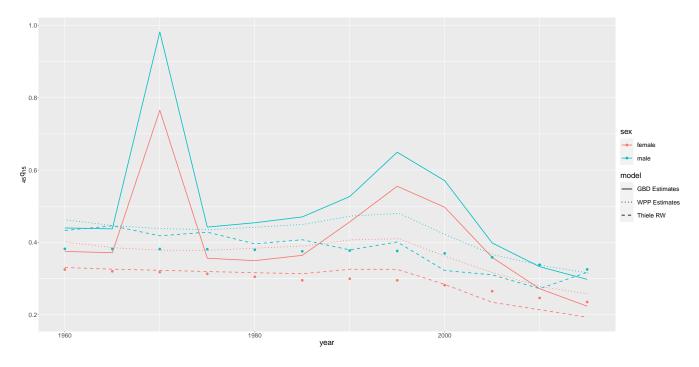


Figure 2: Estimated  $_{45}q_{15}$ 

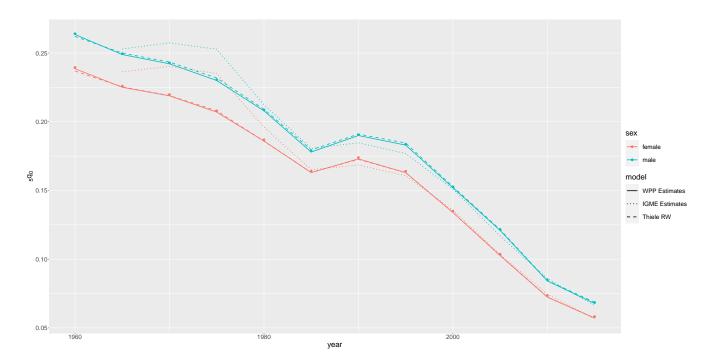


Figure 3: Estimated  $_5q_0$ 

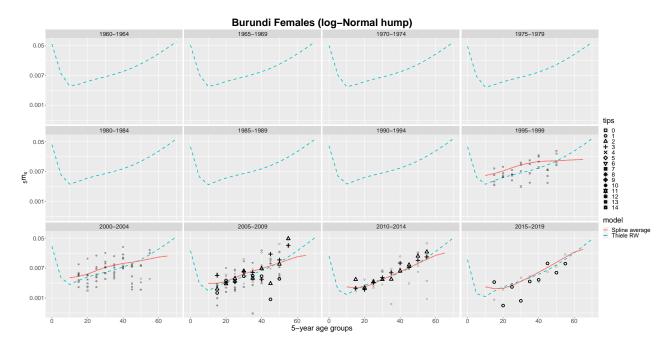


Figure 4: Mortality Schedules

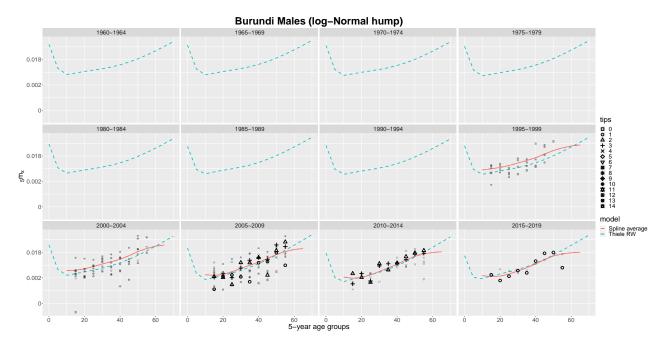


Figure 5: Mortality Schedules

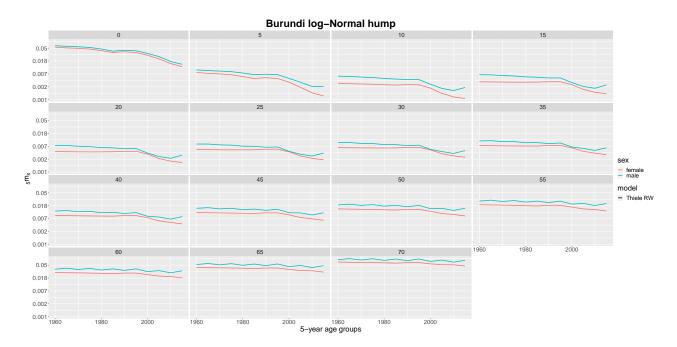


Figure 6: Mortality Schedules

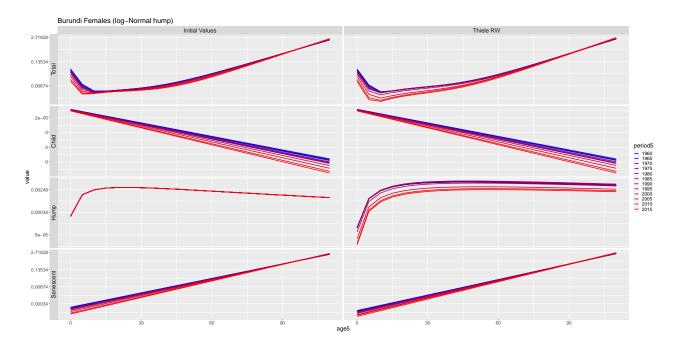


Figure 7: Thiele Decomposed

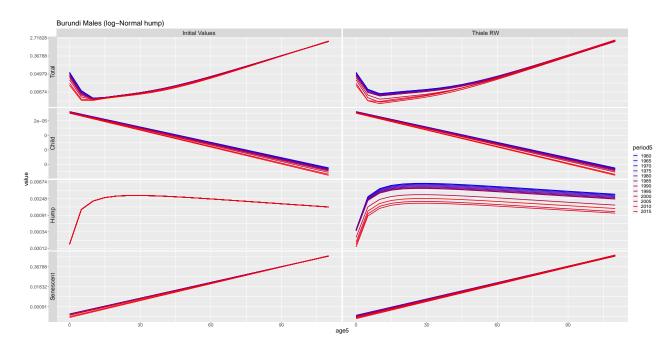


Figure 8: Thiele Decomposed

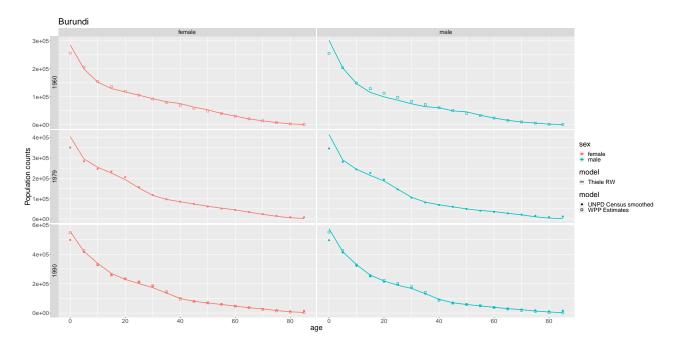


Figure 9: Population

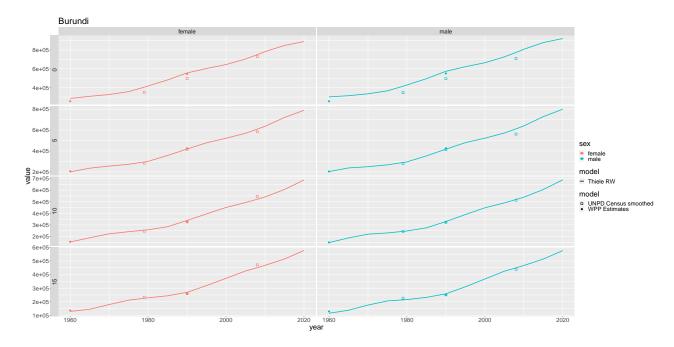


Figure 10: Population

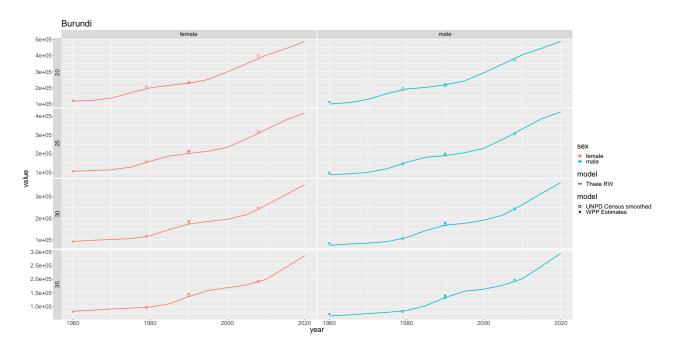


Figure 11: Population

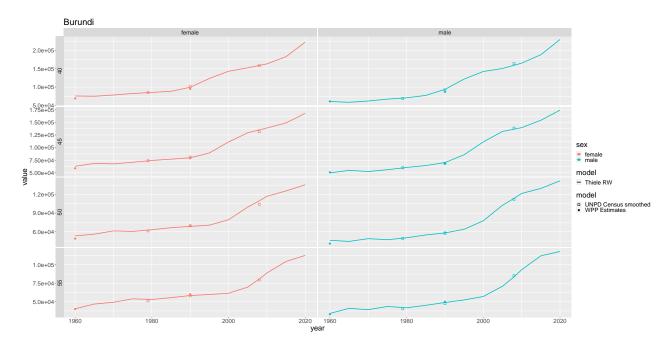


Figure 12: Population

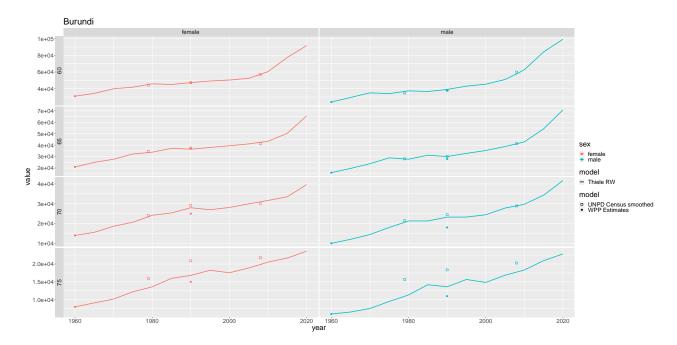


Figure 13: Population

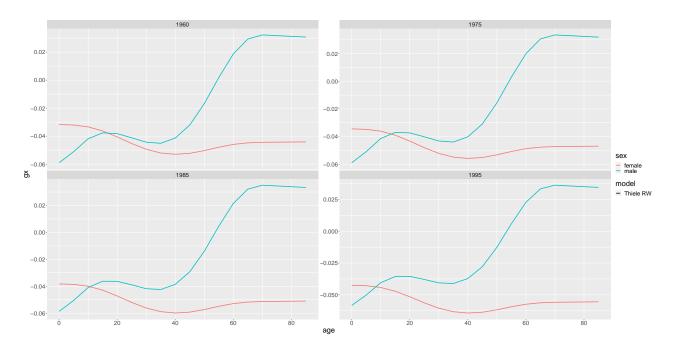


Figure 14: Migration

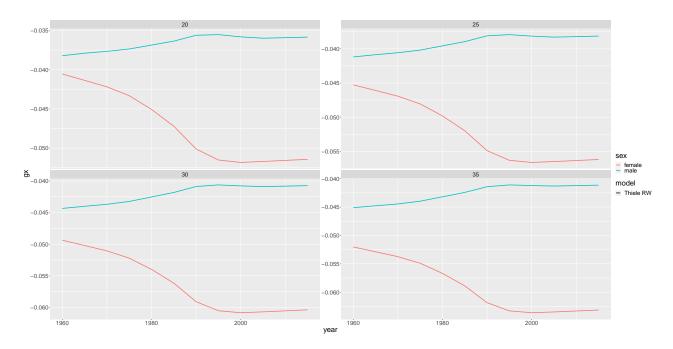


Figure 15: Migration

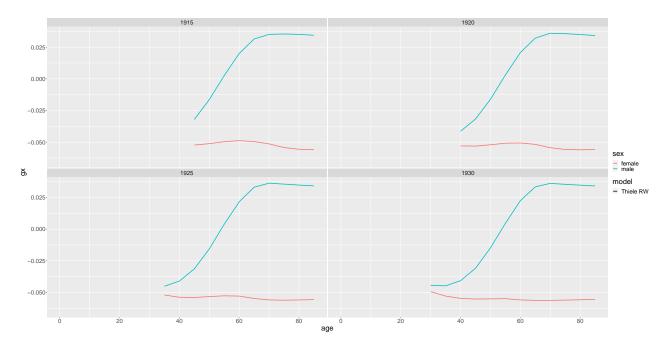


Figure 16: Migration

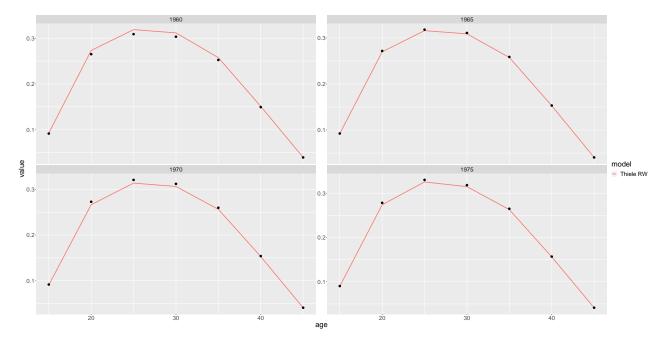


Figure 17: Fertility

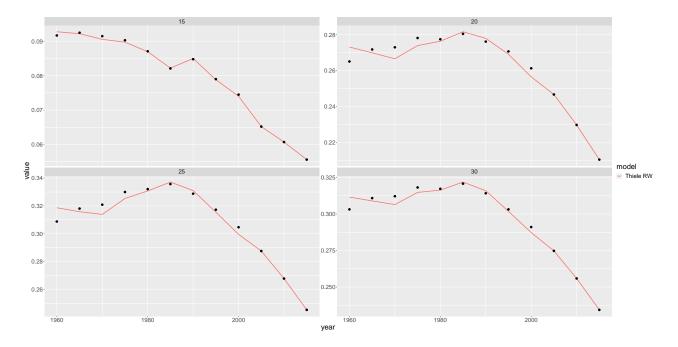


Figure 18: Fertility