Burkina Faso

```
## [1] "Census Females"
  # A tibble: 18 x 5
##
##
                         1985
                                  1996
                                            2006
                 1975
      aggr.age
##
         <dbl>
                  <dbl>
                          <dbl>
                                   <dbl>
                                             <dbl>
##
   1
             0 479362. 730674. 878880
                                         1213119.
##
             5 417499. 655082. 829526
                                         1088934.
            10 327051. 501749. 692800.
##
   3
                                          904373.
##
            15 262454. 384257. 548244
                                          762122.
##
   5
            20 237211. 330693. 446104.
                                          662654.
##
   6
            25 221469. 287343. 378176.
                                          555137.
##
   7
            30 189966. 240637. 322164.
                                          448084.
    8
            35 154009. 202338. 265959.
##
                                          363978.
   9
##
            40 126640. 172337. 215769.
                                          299080.
            45 103550. 145369. 175666.
##
  10
                                          240632.
                83233. 120961. 144223.
##
  11
            50
                                          190845.
##
  12
            55
                 63930. 100543. 116654.
                                          151585.
##
  13
            60
                 48696.
                         83755.
                                 94266.
                                          120665.
##
  14
            65
                 35645.
                         63754.
                                 73728.
                                           92136.
                         44256.
## 15
            70
                25876.
                                 54514.
                                           67405.
## 16
            75
                17660.
                         23964.
                                  35828.
                                           45489.
## 17
            80
                10821.
                         41087.
                                  20043.
                                           27411.
            85
                13098.
                                  47060.
## 18
                            NA
                                           30478.
## [1] "Census Males"
   # A tibble: 18 x 5
##
                1975
                         `1985`
                                  1996
                                            2006
      aggr.age
##
         <dbl>
                  <dbl>
                          <dbl>
                                   <dbl>
                                             <dbl>
##
   1
             0 498118. 733218. 889544
                                         1236779.
   2
             5 454940. 669057. 855549. 1126534.
##
            10 367257. 523028. 715078.
##
   3
                                          926371.
            15 275547. 382357. 528713.
##
    4
                                          716367.
##
   5
            20 209858. 280615. 374910.
                                          557683.
##
    6
            25 175866. 213548. 290199.
                                          449918.
##
   7
            30 155352. 179190. 247737
                                          370217.
            35 135026. 156844. 208632.
##
   8
                                          304022.
##
   9
            40 116652. 138100. 174343.
                                          249630.
## 10
            45 101729. 123349. 147644.
                                          202625.
                88268. 108827. 125516.
## 11
            50
                                          165785.
## 12
                72765.
                         93619. 106586.
            55
                                          136170.
##
  13
            60
                56927.
                         78774.
                                 89198.
                                          109332.
##
  14
                41731.
                         60247.
                                  70396
            65
                                           84418.
##
  15
            70
                 30718.
                         40187.
                                  51780.
                                           61603.
## 16
            75
                20445.
                         21680.
                                 33238.
                                           40173.
## 17
            80
                10919.
                         27286.
                                  17172.
                                           22717.
## 18
            85
                16960.
                            NA
                                  38154.
                                           20701.
Thiele log-Normal Hump RW
```

user system elapsed ## 21.60 0.50 22.29

[1] "relative convergence (4)"

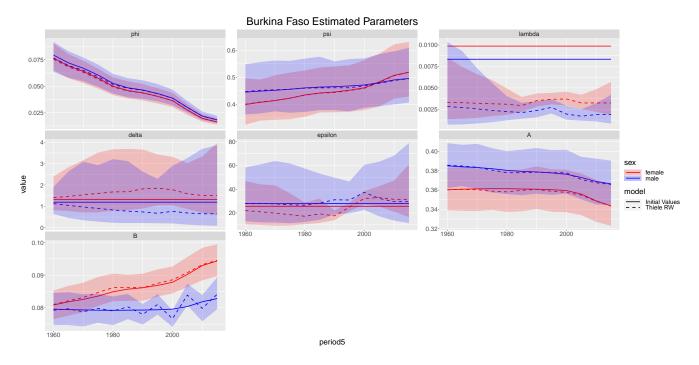


Figure 1: Estimated parameters

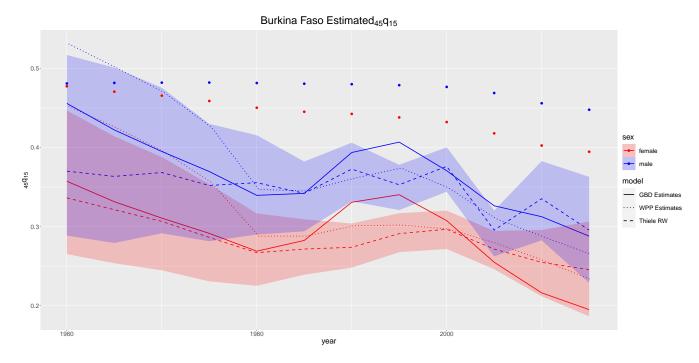


Figure 2: Estimated $_{45}q_{15}$

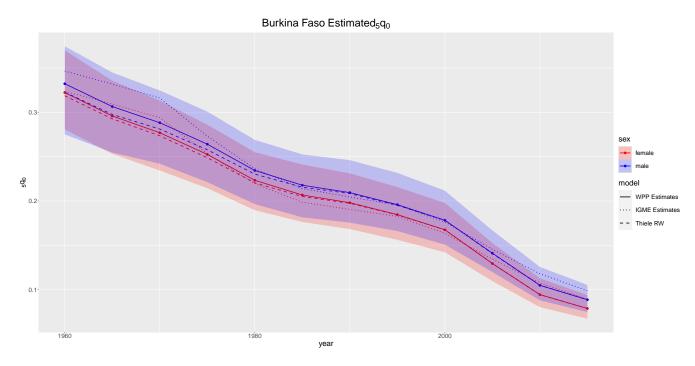


Figure 3: Estimated $_5q_0$

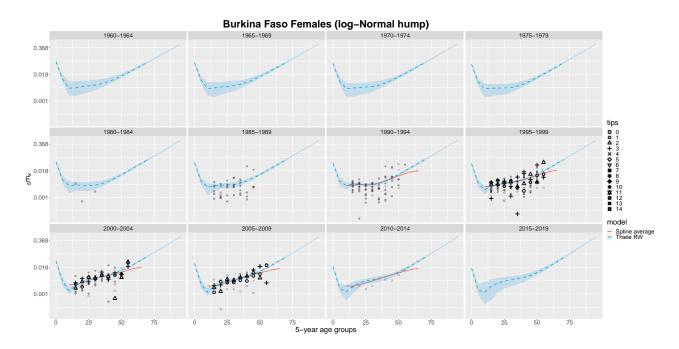


Figure 4: Mortality Schedules

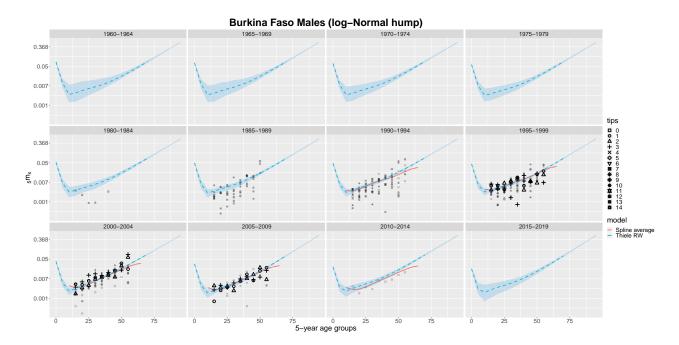


Figure 5: Mortality Schedules

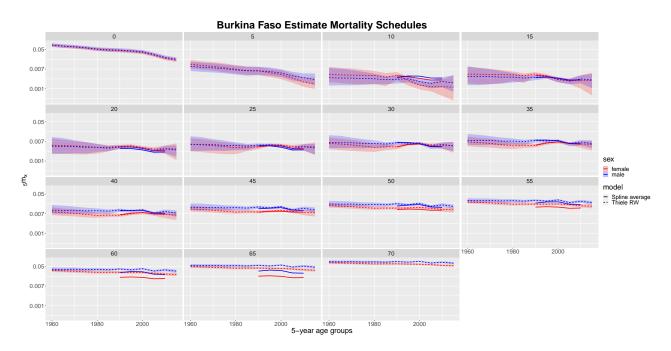


Figure 6: Mortality Schedules

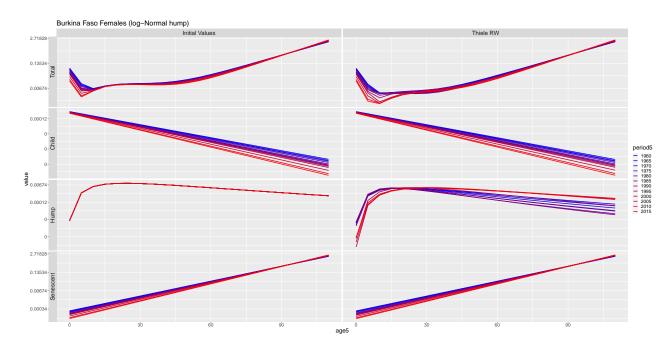


Figure 7: Thiele Decomposed

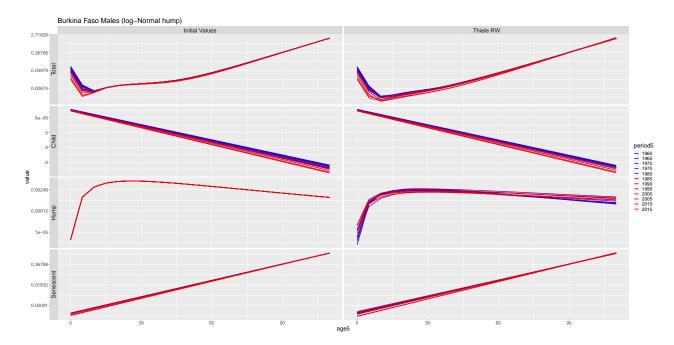


Figure 8: Thiele Decomposed

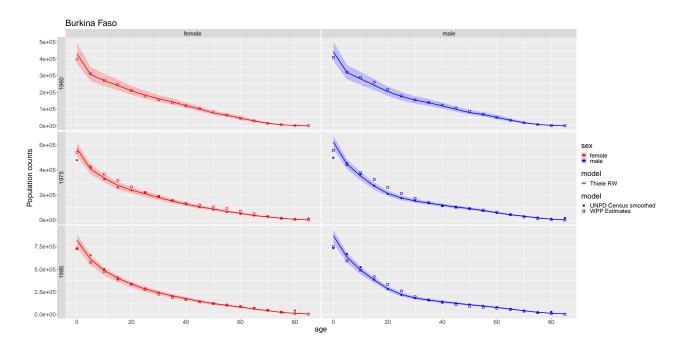


Figure 9: Population

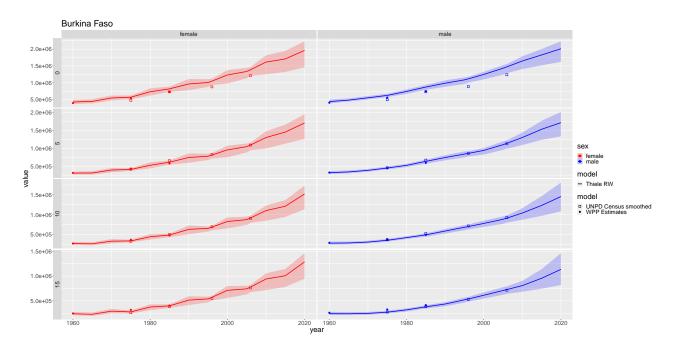


Figure 10: Population

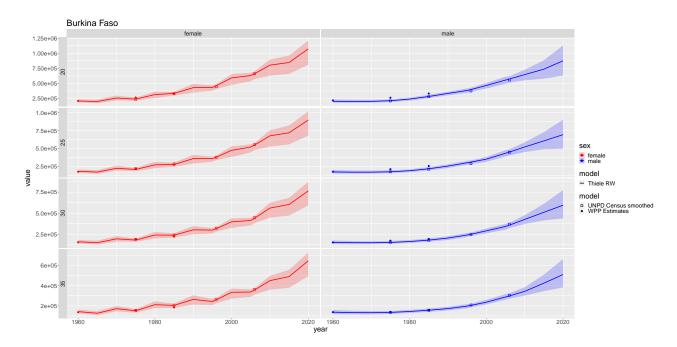


Figure 11: Population

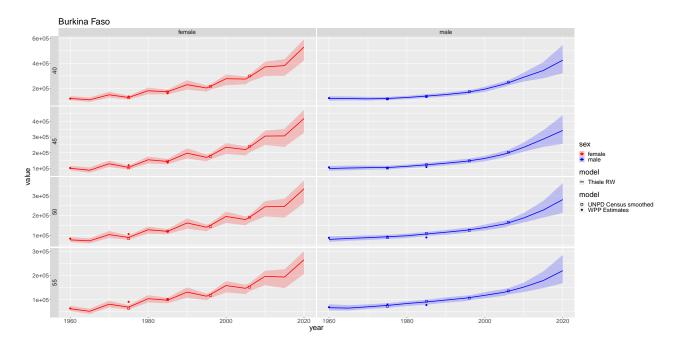


Figure 12: Population

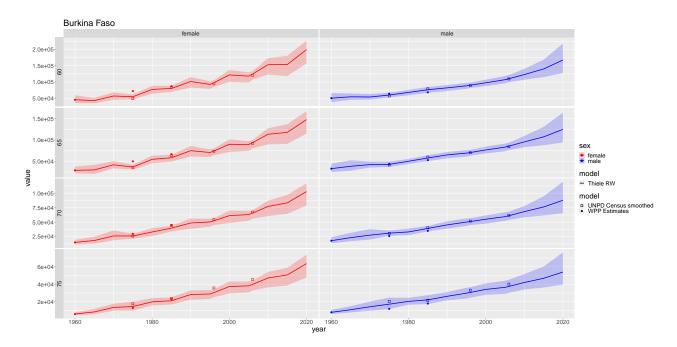


Figure 13: Population

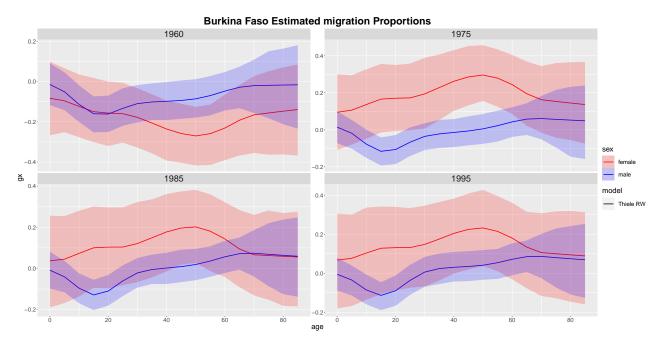


Figure 14: Migration

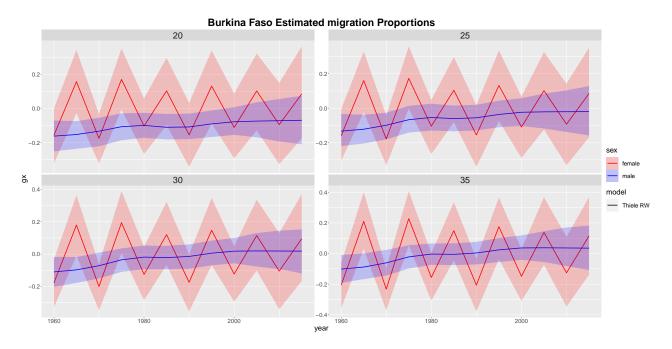


Figure 15: Migration

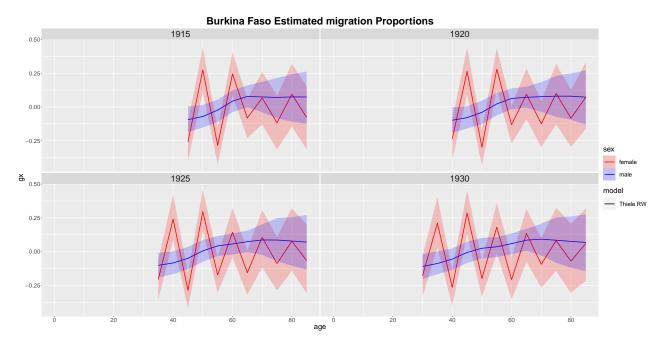


Figure 16: Migration

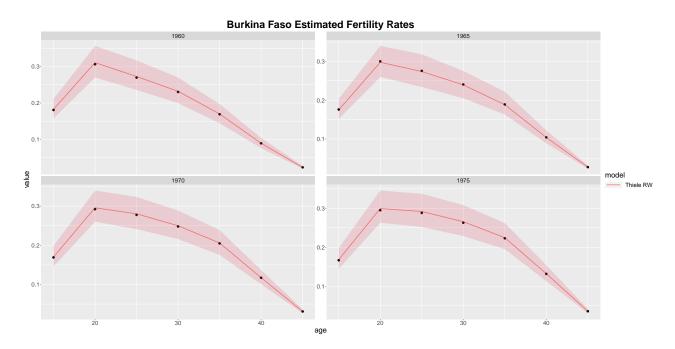


Figure 17: Fertility

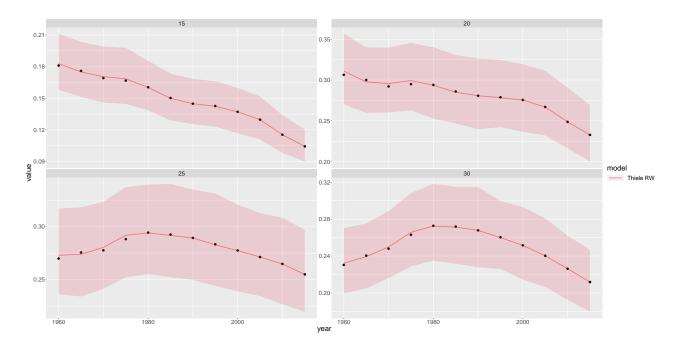


Figure 18: Fertility