Burundi

[1] "Census Females"

A tibble: 87 x 3

age

2

3

4

<dbl>

`1990`

<dbl>

0 103518. 148758.

96768. 144323. 99280. 146587.

97050. 141195.

94570. 135456.

2008

<dbl>

##

##

##

1

##

4 ## 5

2

3

```
##
             90921. 129473.
##
   7
          6
             87877. 124627.
          7
             84441. 120157.
##
             80363. 115997.
##
    9
          8
          9 75950. 111774.
  10
   # ... with 77 more rows
  [1] "Census Males"
##
   # A tibble: 87 x 3
              `1990`
                      `2008`
##
        age
##
      <dbl>
              <dbl>
                       <dbl>
##
   1
          0 103634. 145551.
##
    2
             96811. 140828.
          1
##
             98842. 142434.
##
          3
             96650. 137049.
             93967. 131193.
    5
##
    6
             90198. 125015.
          5
             87060. 120024.
          6
             83568. 115331.
##
    8
          7
##
             79567. 110945.
          8
          9 75243. 106514.
## 10
## # ... with 77 more rows
Thiele log-Normal Hump Spline
   [1] "relative convergence (4)"
##
             log_tau2_logpop_f
                                           log_tau2_logpop_f
                                                                         log_tau2_logpop_m
                                                                                                       log_tau2
##
                      6.0401093
                                                    5.0141161
                                                                                 6.0408818
##
                 log_tau2_gx_m
                                         log_lambda_gx_age_f
                                                                       log_lambda_gx_age_m
                                                                                                   log_lambda_g
##
                      3.4433047
                                                    8.6214788
                                                                                 8.3053592
##
       log_lambda_gx_agetime_m
                                               log_lambda_tp log_lambda_tp_0_inflated_sd
                                                                                                        log_disp
##
                      6.9077281
                                                    1.6295947
                                                                                -1.9386188
                                                                                                log_marginal_pr
##
       log_marginal_prec_psi_f
                                       log_marginal_prec_A_f
                                                                     log_marginal_prec_B_f
##
                                                    6.8240012
                                                                                 7.0045383
                      4.3321500
##
         log_marginal_prec_B_m
                                            log_lambda_phi_f
                                                                          log_lambda_psi_f
                                                                                                     log_lambda
##
                      7.0724576
                                                   4.3825064
                                                                                 4.3428362
##
                 log_lambda_A_f
                                              log_lambda_B_f
                                                                          log_lambda_phi_m
                                                                                                        log_lamb
##
                      4.3081921
                                                    4.3219316
                                                                                 4.4004557
##
          log_lambda_epsilon_m
                                              log_lambda_A_m
                                                                            log_lambda_B_m
                      4.5181881
                                                    4.3085975
                                                                                 4.3291817
##
```

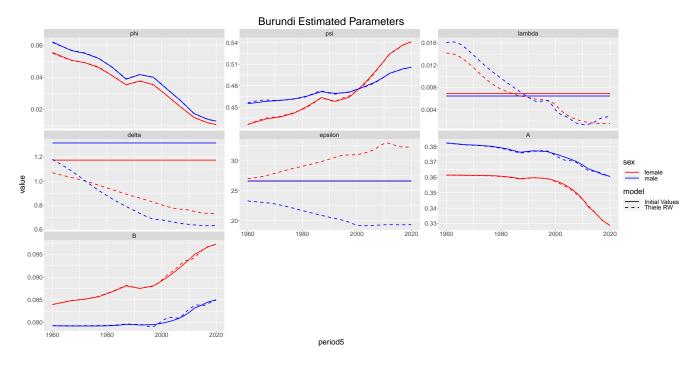


Figure 1: Estimated parameters

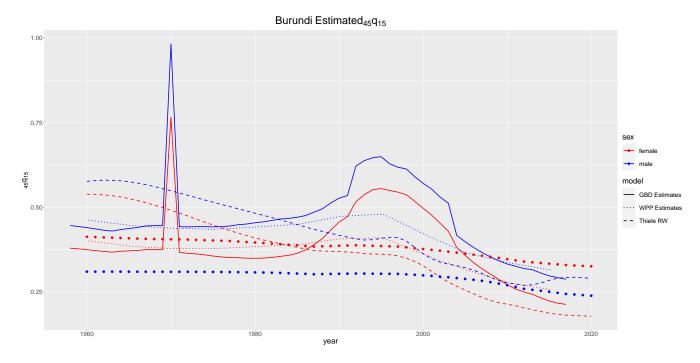


Figure 2: Estimated $_{45}q_{15}$

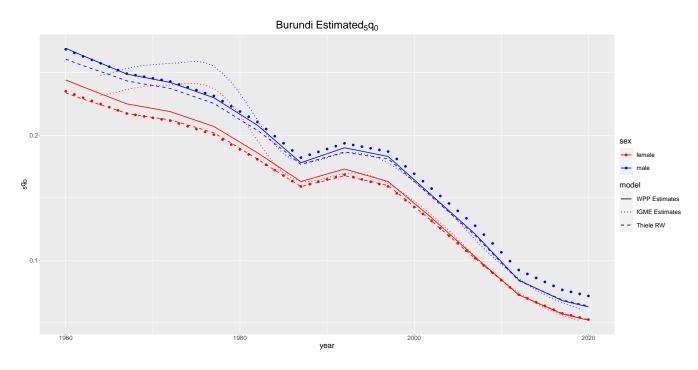


Figure 3: Estimated $_5q_0$

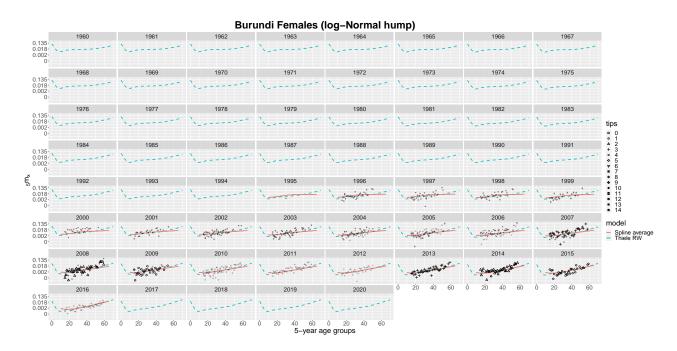


Figure 4: Mortality Schedules

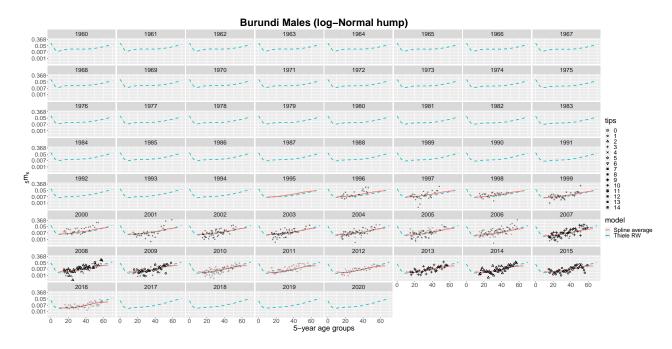


Figure 5: Mortality Schedules

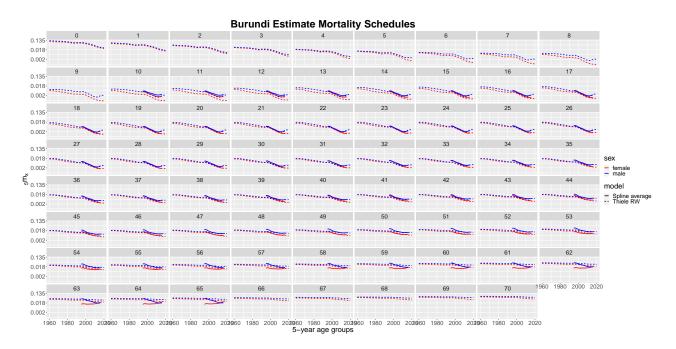


Figure 6: Mortality Schedules

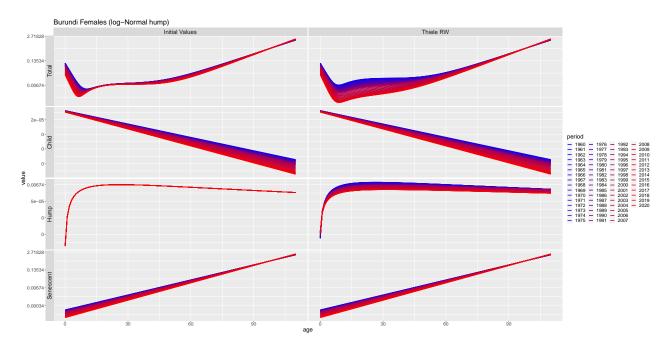


Figure 7: Thiele Decomposed

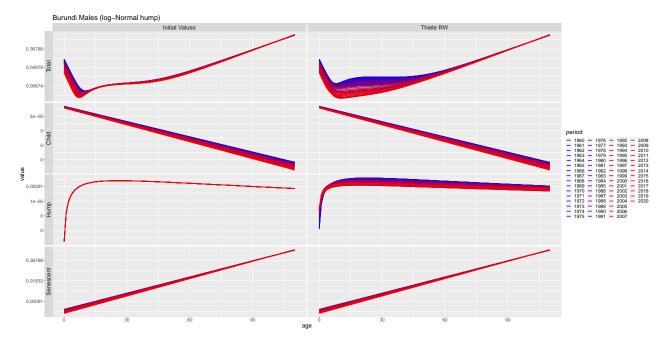


Figure 8: Thiele Decomposed

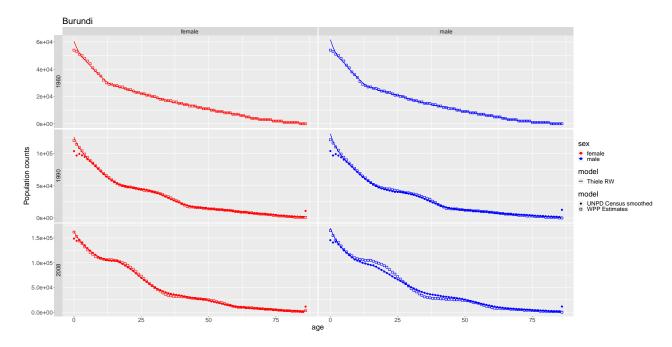


Figure 9: Population

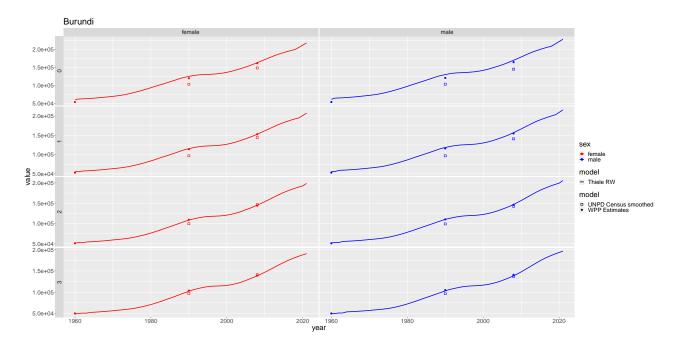


Figure 10: Population

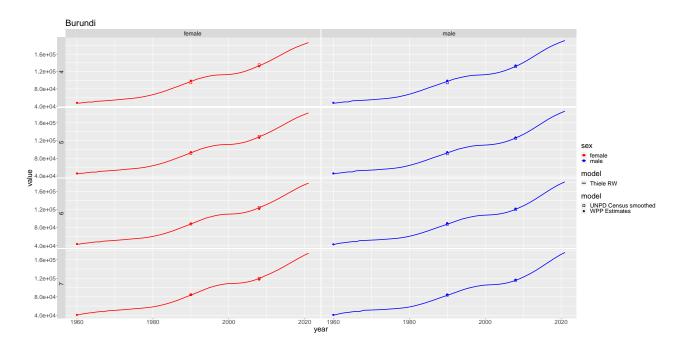


Figure 11: Population

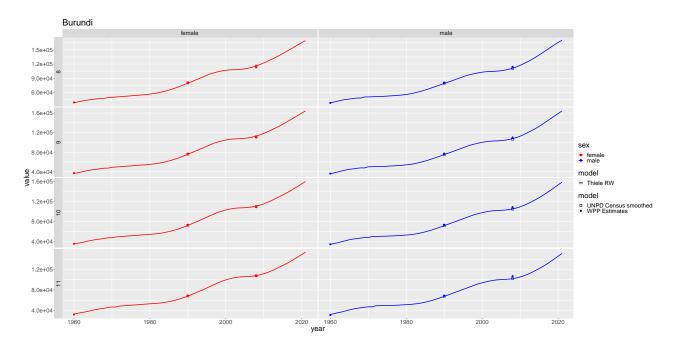


Figure 12: Population

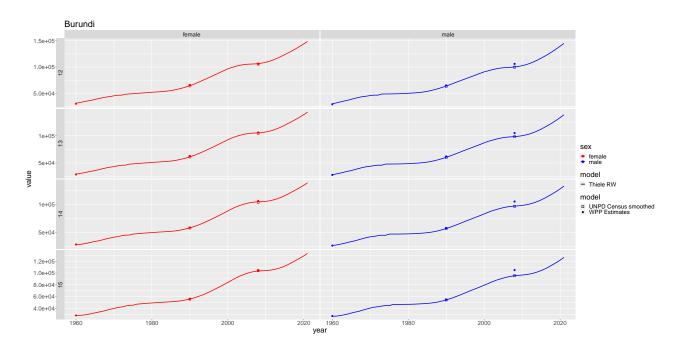


Figure 13: Population

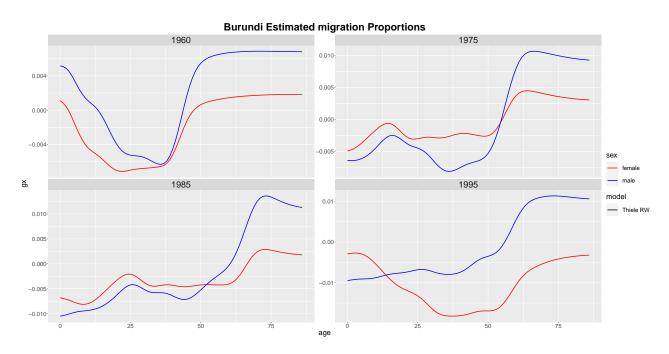


Figure 14: Migration

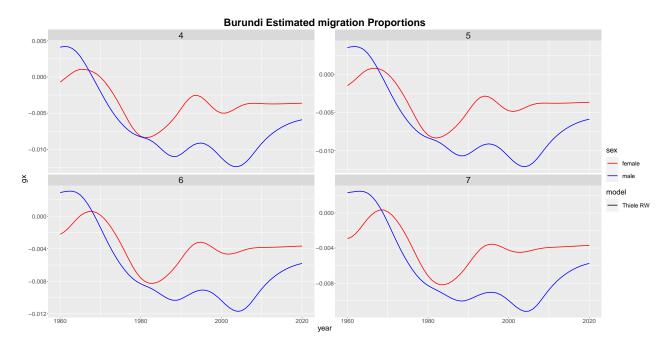


Figure 15: Migration

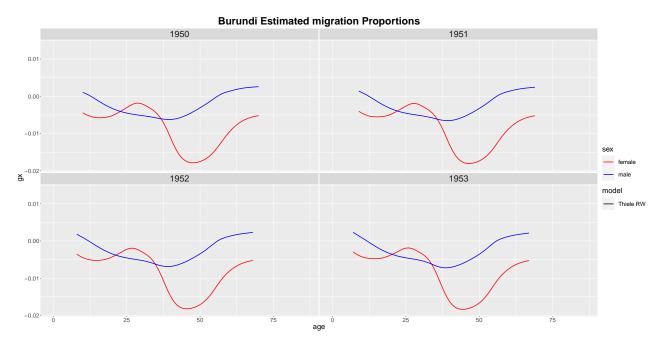


Figure 16: Migration

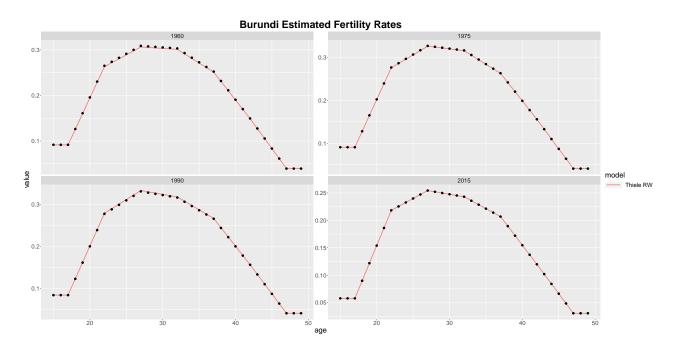


Figure 17: Fertility

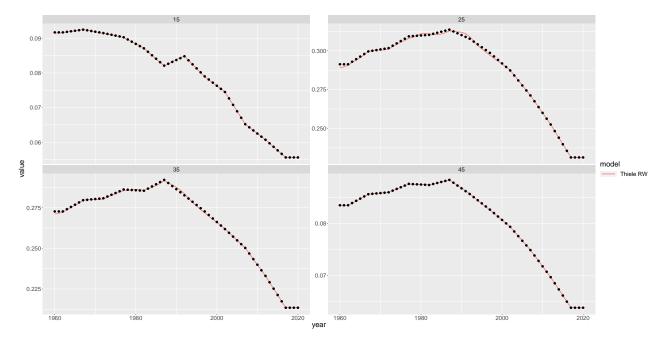


Figure 18: Fertility

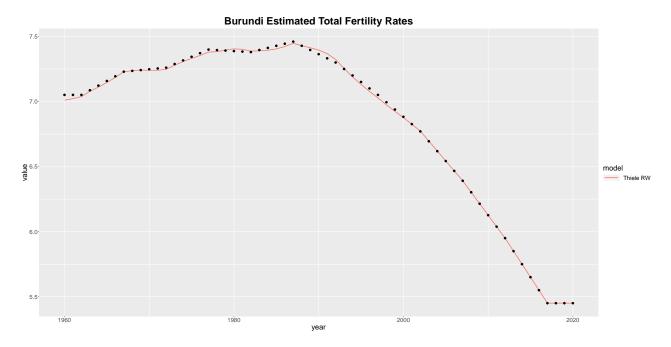


Figure 19: Total Fertility