Guinea

[1] "Census Females" ## # A tibble: 87 x 2

age

<dbl>

`2014`

0 161421

1 156097.

2 174828.

3 179276

4 178629.

5 170993.

<dbl>

##

##

##

2

##

##

5

1

3

```
##
   7
          6 168163.
          7 163286.
##
##
   9
          8 156460
          9 148141.
## 10
## # ... with 77 more rows
## [1] "Census Males"
   # A tibble: 87 x 2
##
             2014
##
        age
##
      <dbl>
              <dbl>
##
   1
          0 164792
   2
          1 160347.
##
          2 178135.
##
          3 183095.
   5
          4 182935.
##
    6
          5 175640
          6 173178.
##
   8
          7 168315.
##
    9
          8 161385.
          9 152757.
## 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
##
                      5.3642831
                                                   4.3276842
                                                                                 5.3882514
##
                 log_tau2_gx_m
                                         log_lambda_gx_age_f
                                                                       log_lambda_gx_age_m
                                                                                                   log_lambda_g
##
                                                    7.9426382
                      3.5313680
                                                                                 7.9678733
##
       log_lambda_gx_agetime_m
                                               log_lambda_tp log_lambda_tp_0_inflated_sd
                                                                                                        log_disp
##
                      6.9077539
                                                    1.9292822
                                                                                -1.8120720
##
       log_marginal_prec_psi_f
                                       log_marginal_prec_A_f
                                                                     log_marginal_prec_B_f
                                                                                                log_marginal_pr
##
                      4.3143547
                                                    6.8013211
                                                                                 6.6953947
##
         log_marginal_prec_B_m
                                            log_lambda_phi_f
                                                                          log_lambda_psi_f
                                                                                                    log_lambda
##
                      6.3122073
                                                   4.3631990
                                                                                 4.3281216
##
                log_lambda_A_f
                                              log_lambda_B_f
                                                                          log_lambda_phi_m
                                                                                                        log_lamb
##
                      4.3049068
                                                    4.2702953
                                                                                 4.3792988
##
          log_lambda_epsilon_m
                                              log_lambda_A_m
                                                                            log_lambda_B_m
                      4.5692201
                                                    4.3024107
                                                                                 4.2581603
##
```

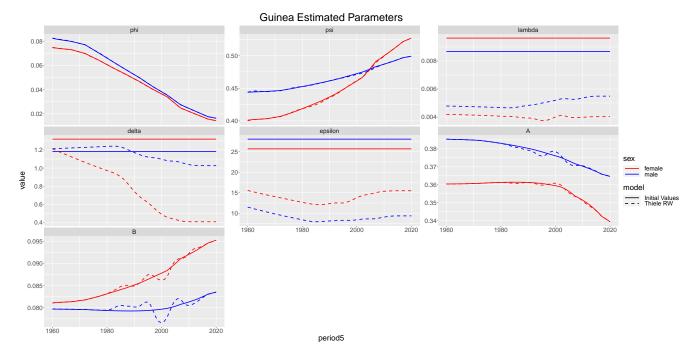


Figure 1: Estimated parameters

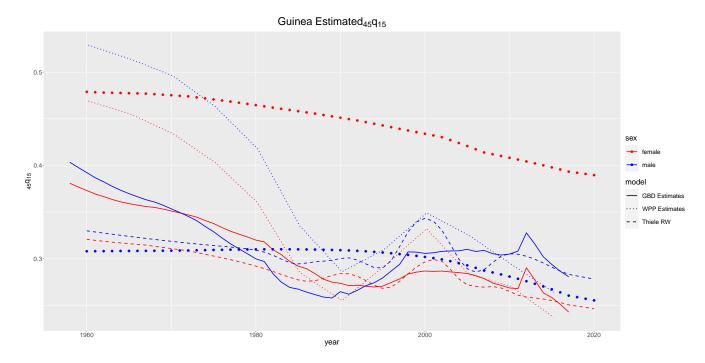


Figure 2: Estimated $_{45}q_{15}$

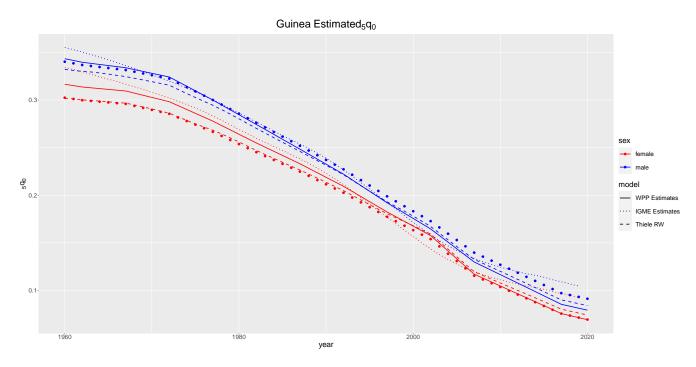


Figure 3: Estimated $_5q_0$

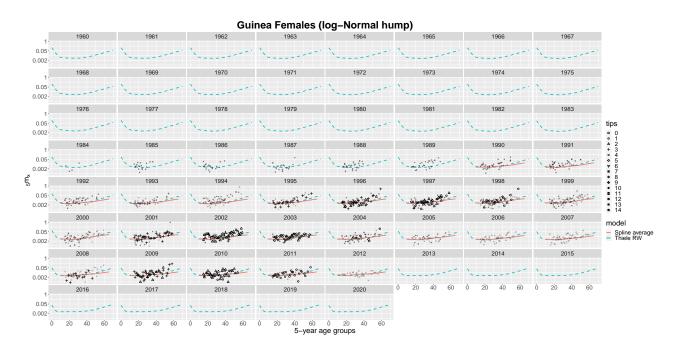


Figure 4: Mortality Schedules

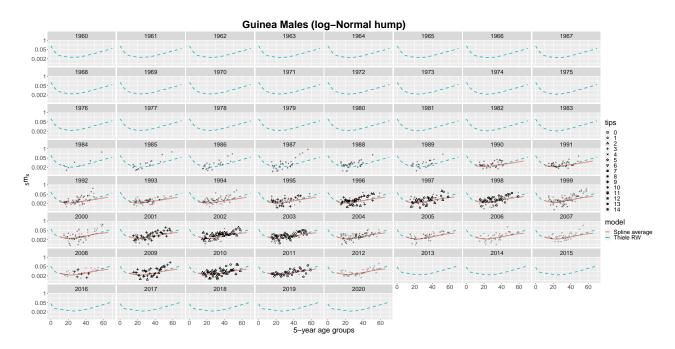


Figure 5: Mortality Schedules

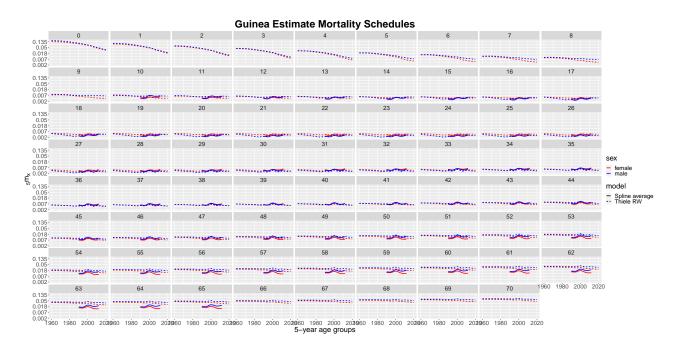


Figure 6: Mortality Schedules

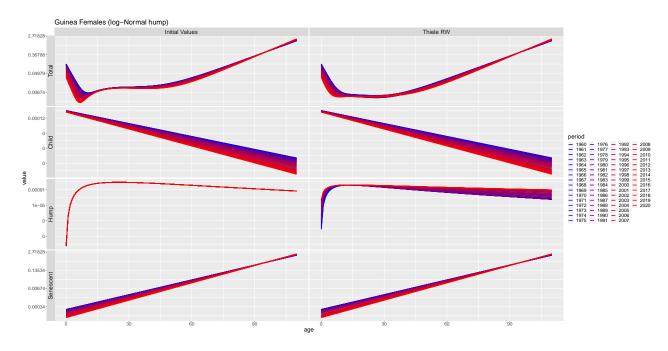


Figure 7: Thiele Decomposed

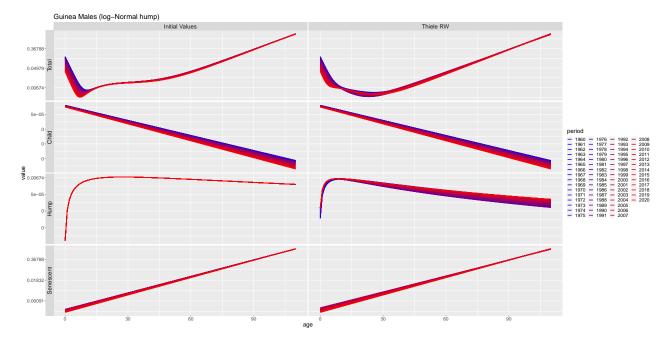
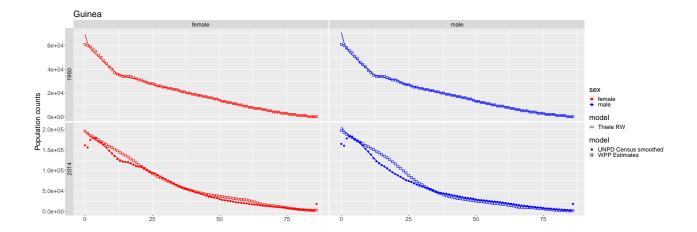


Figure 8: Thiele Decomposed



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Figure 9: Population

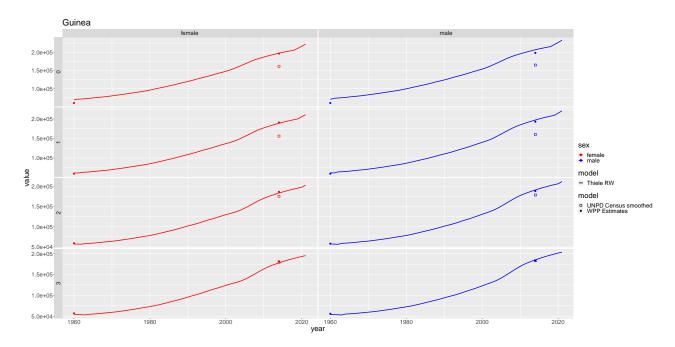


Figure 10: Population

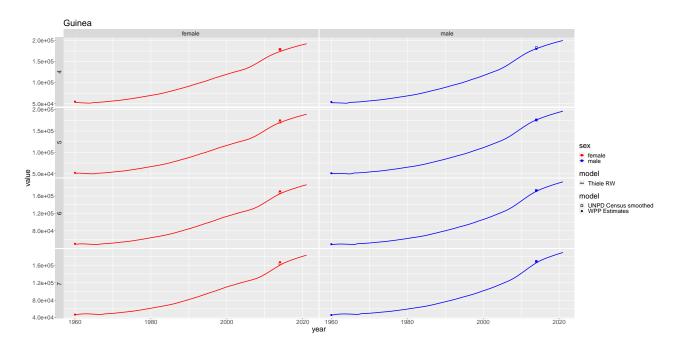


Figure 11: Population

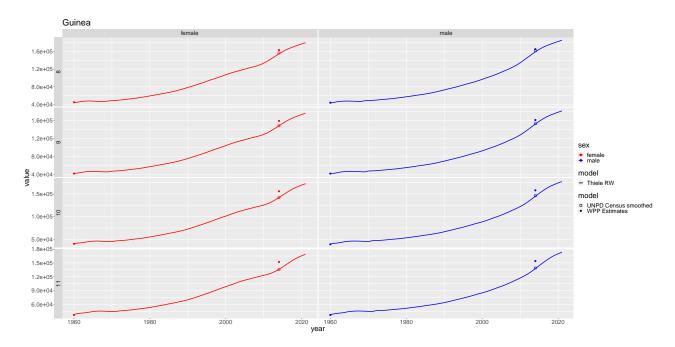


Figure 12: Population

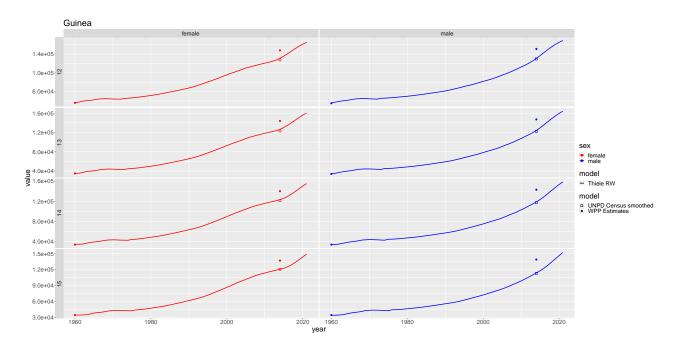


Figure 13: Population

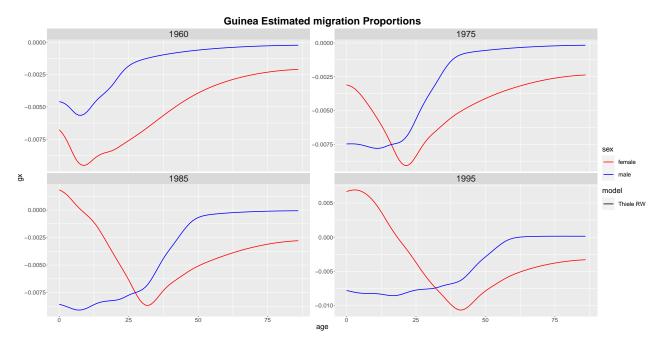


Figure 14: Migration

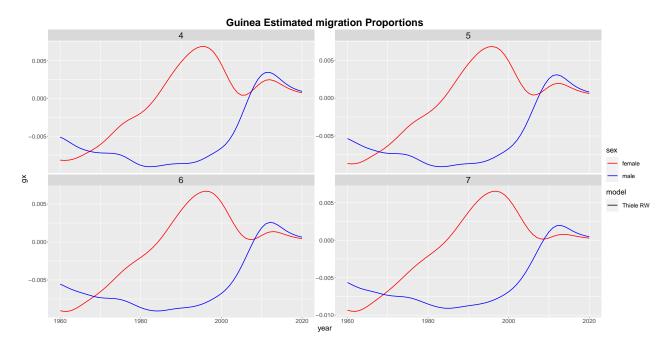


Figure 15: Migration

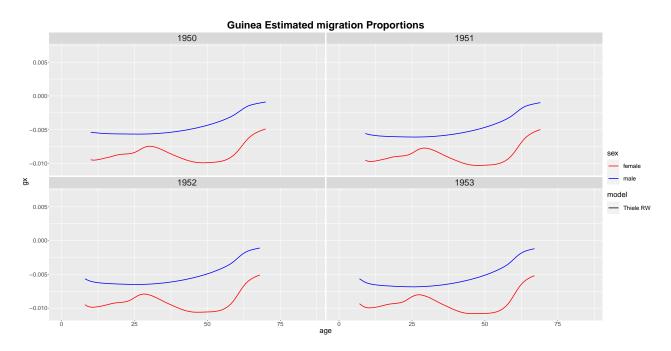


Figure 16: Migration

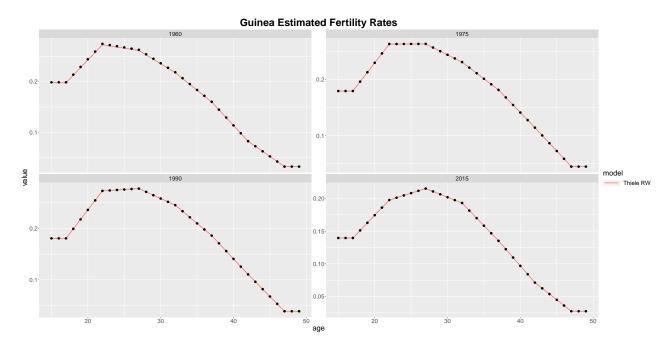


Figure 17: Fertility

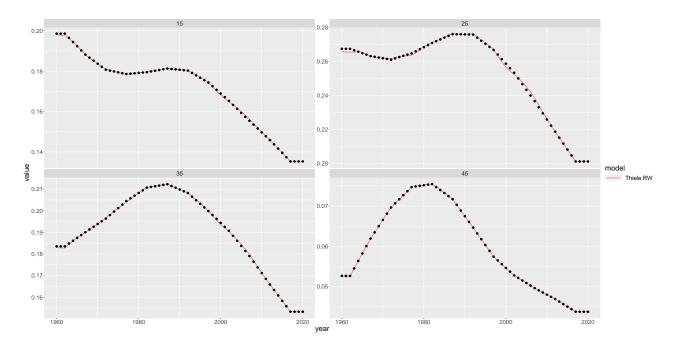


Figure 18: Fertility

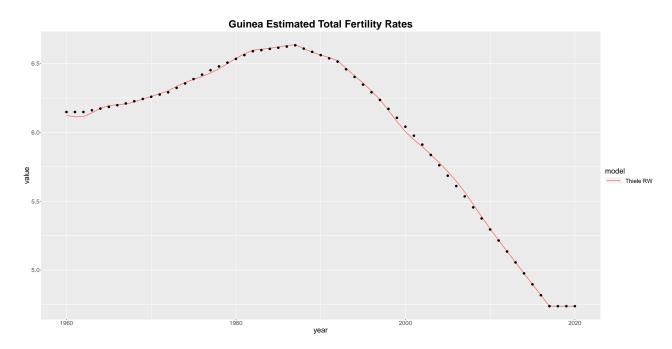


Figure 19: Total Fertility