Namibia

```
## [1] "Census Females"
   # A tibble: 18 x 4
##
                 `1991`
                          `2001`
                                  `2011`
      aggr.age
##
         <dbl>
                  <dbl>
                           <dbl>
                                   <dbl>
##
    1
              0 109797. 122923. 142821
##
                 98111. 123939. 126935.
                 89789. 117304. 122470.
##
    3
             10
##
                 81191. 104297. 119051.
             15
                          90193. 107680.
##
    5
             20
                 69151.
##
    6
             25
                 57152.
                          76700.
                                  91594
##
    7
             30
                 45905.
                          63553.
                                  76564.
##
    8
             35
                 35675.
                          51719.
                                  63741
##
    9
                          41055.
             40
                 28235.
                                  52340
                 23061.
                          32275.
## 10
             45
                                  42860
##
  11
             50
                 18862.
                          25606.
                                  34420.
##
   12
             55
                 15878.
                          20745.
                                  27309.
  13
##
             60
                 14729.
                          17774.
                                  22291.
## 14
             65
                 13514.
                          15031.
                                  18052.
                 10764.
                          12417.
## 15
             70
                                  13971.
## 16
             75
                  6942.
                          10257.
                                  10840.
## 17
             80
                  3856.
                           7586.
                                   8633
## 18
             85
                  3960.
                          7761.
                                  14743.
## [1] "Census Males"
   # A tibble: 18 x 4
##
      aggr.age
                 `1991`
                          `2001`
                                  `2011`
##
         <dbl>
                  <dbl>
                           <dbl>
              0 109160. 122675. 141877
##
    1
##
    2
                 97223. 121785. 125463.
                 88280. 114264. 120105
    3
##
             10
##
    4
                 78562. 101700. 115774.
             15
##
    5
             20
                 65210.
                          88491. 104135.
##
    6
             25
                 52213.
                          74629.
                                  88193.
##
    7
             30
                 41391.
                          59689.
                                  73515.
    8
                          46359.
##
             35
                 32862.
                                  60487.
##
    9
                 26774.
                          35860.
             40
                                  48039.
## 10
             45
                 22106.
                          28116.
                                  37303
                          22365.
                                  28438.
## 11
             50
                 18181.
## 12
             55
                 14816.
                          18080.
                                  22206.
## 13
                 12414.
                          15108.
                                  17858
                          12181.
## 14
             65
                 10701.
                                  13721.
## 15
             70
                  8612.
                           9301.
                                  10158.
## 16
             75
                  5570.
                           7009.
                                   7388.
## 17
             80
                  2930.
                           4888.
                                   5172.
                  2432.
                           4509.
## 18
             85
                                   7617
Thiele log-Normal Hump RW
##
            system elapsed
      user
##
     21.48
               0.33
                      21.94
```

[1] "relative convergence (4)"

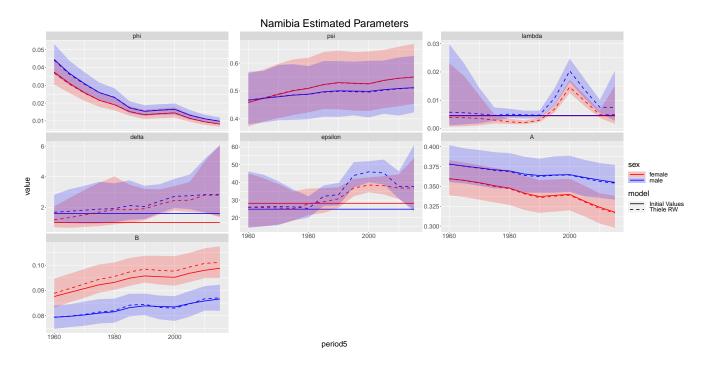


Figure 1: Estimated parameters

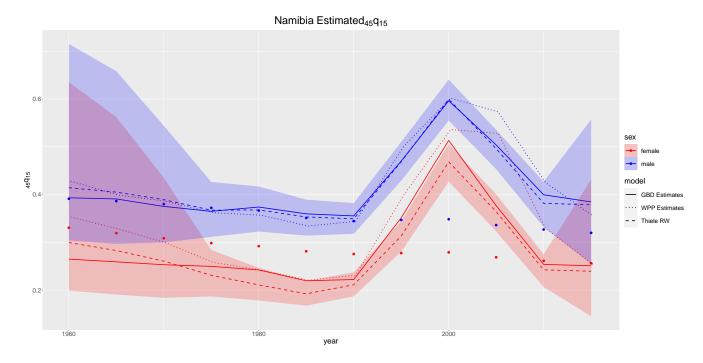


Figure 2: Estimated $_{45}q_{15}$

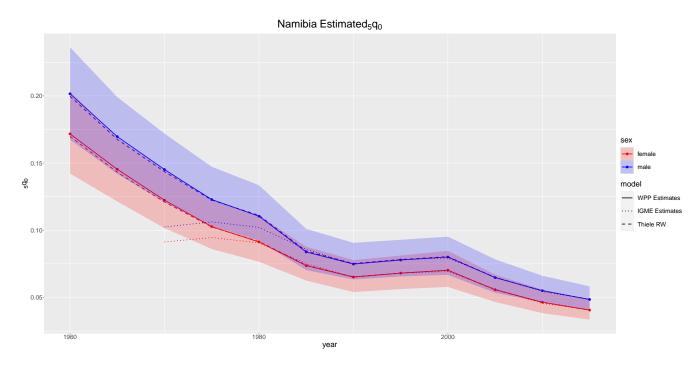


Figure 3: Estimated $_5q_0$

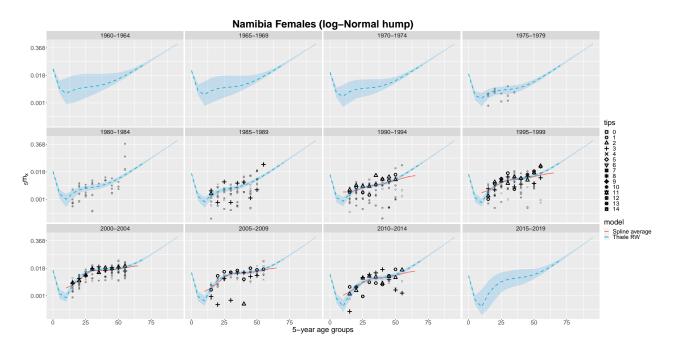


Figure 4: Mortality Schedules

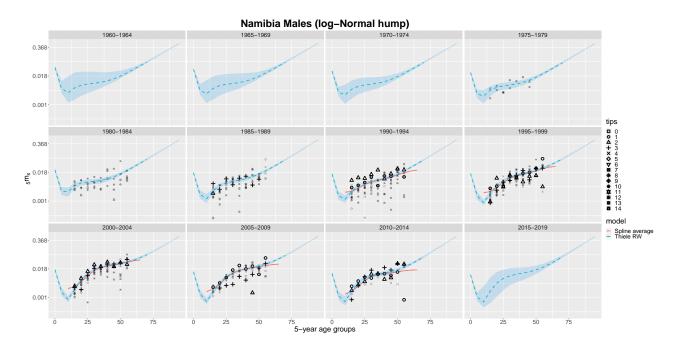


Figure 5: Mortality Schedules

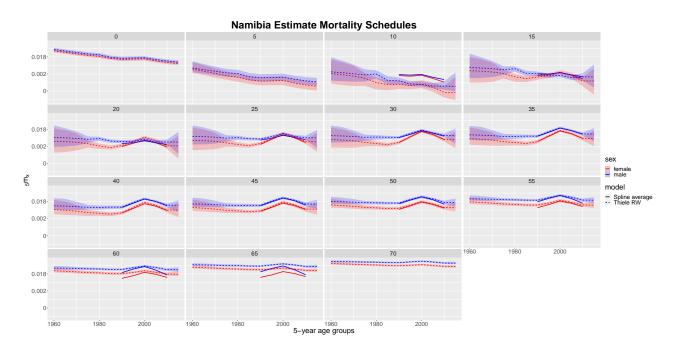


Figure 6: Mortality Schedules

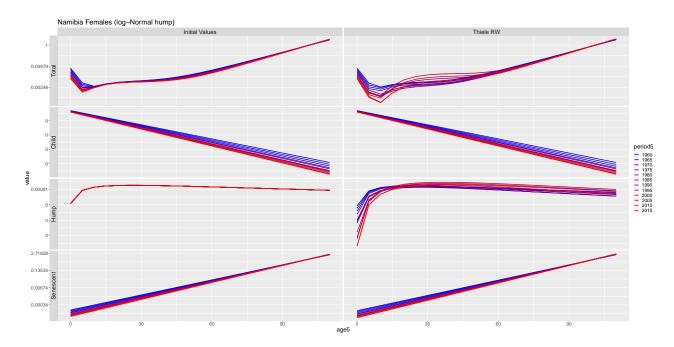


Figure 7: Thiele Decomposed

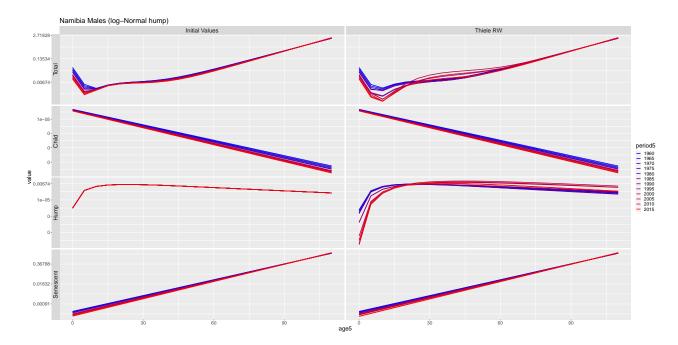


Figure 8: Thiele Decomposed

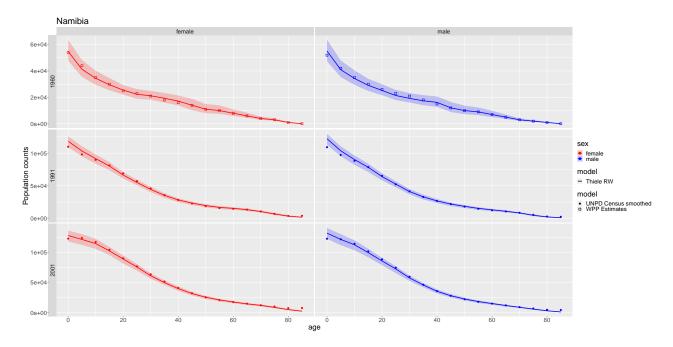


Figure 9: Population

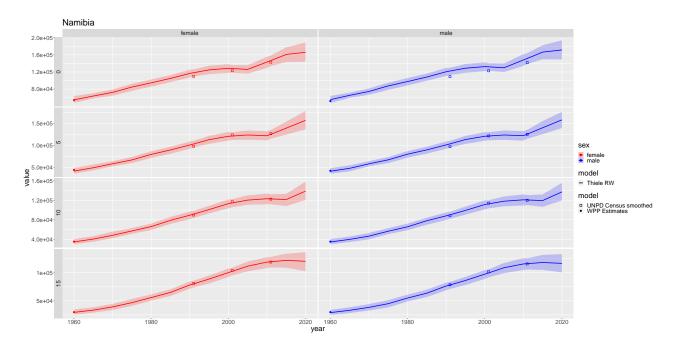


Figure 10: Population

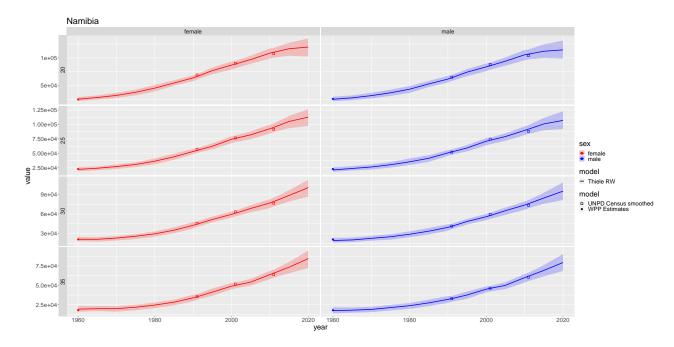


Figure 11: Population

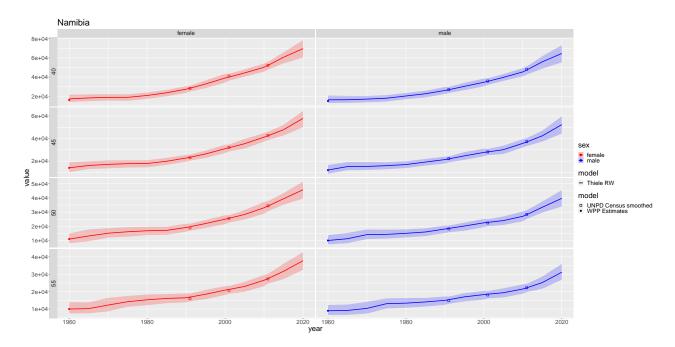


Figure 12: Population

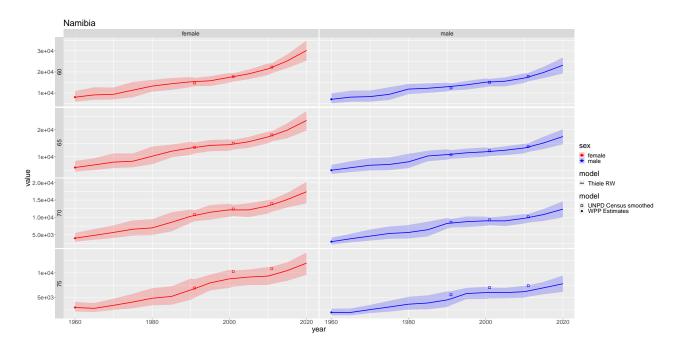


Figure 13: Population

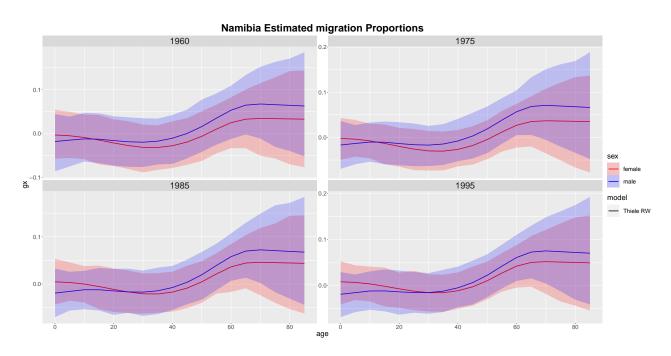


Figure 14: Migration

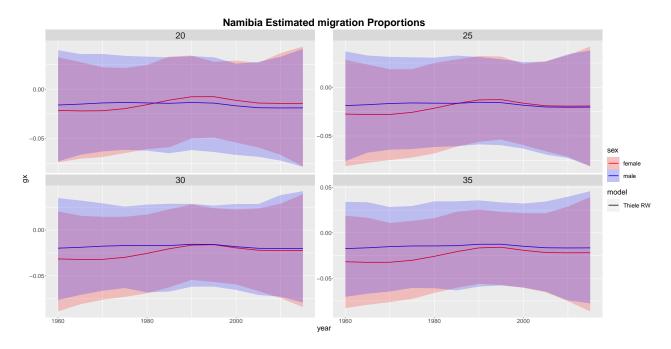


Figure 15: Migration

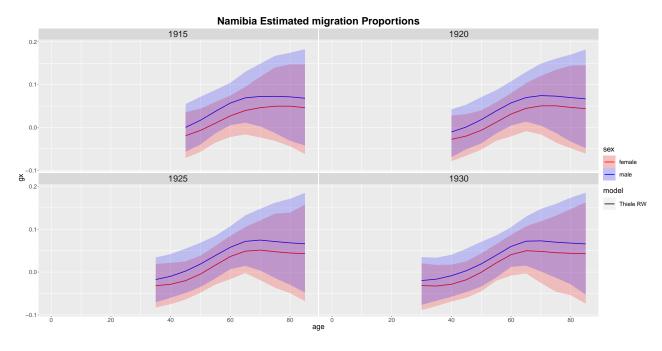


Figure 16: Migration

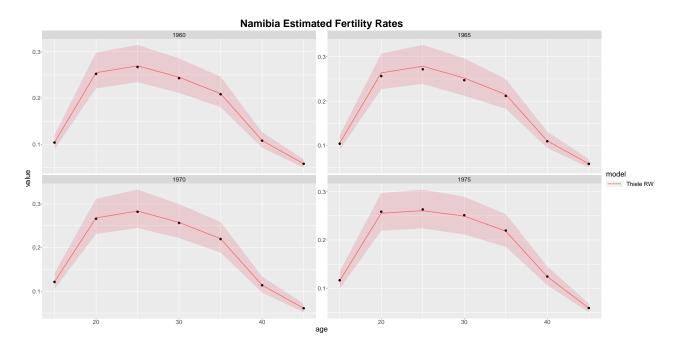


Figure 17: Fertility

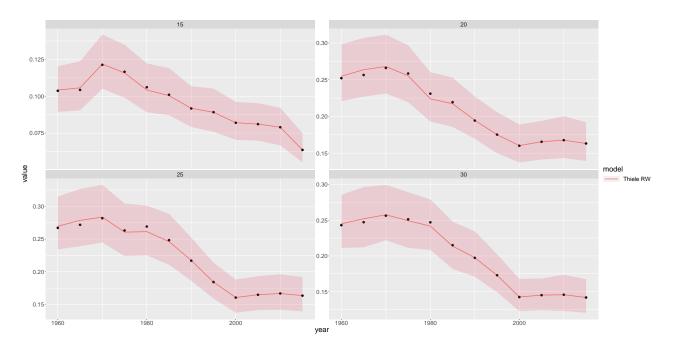


Figure 18: Fertility