Guinea

```
## [1] "Census Females"
## # A tibble: 18 x 3
##
      aggr.age `1996` `2014`
##
         <dbl>
                 <dbl>
                        <dbl>
##
   1
             0 629099 874110
##
             5 545591. 788987
   3
            10 417300 660467
##
##
            15 335618. 570344
##
            20 307902. 506494.
   5
##
   6
            25 288558. 434907
##
   7
            30 248041 359231.
##
   8
            35 198157. 290111.
##
   9
            40 156056. 231976.
## 10
            45 121375. 181720.
            50 96060. 142381.
## 11
                80310. 111180.
## 12
            55
## 13
            60
               72839.
                        88693
            65 59296
## 14
                        69474.
            70
               47005
## 15
                        52244.
## 16
            75
                62565
                        36503.
## 17
            80
                   NA
                        23117.
## 18
            85
                        25432
                   NA
## [1] "Census Males"
## # A tibble: 18 x 3
      aggr.age `1996`
##
                        `2014`
##
         <dbl>
                 <dbl>
                         <dbl>
##
   1
             0 643728 890034
##
   2
             5 573860. 810744.
   3
            10 440982. 659194.
##
##
   4
            15 320036. 519244.
##
   5
            20 255442 419369
            25 224650. 340730.
##
   6
            30 197222. 279970.
##
   7
##
   8
            35 171459. 233115.
## 9
            40 147724. 197034
            45 119655. 166446.
## 10
            50 95200. 141578.
## 11
## 12
            55
               79656. 120187.
## 13
            60
               69800. 98373.
            65 56828.
## 14
                        74596.
## 15
            70
                40047
                        53927.
## 16
            75
                63801
                        37345
## 17
            80
                   NA
                        23516
## 18
            85
                   NA
                        24319.
Thiele Normal Hump
##
      user system elapsed
##
     56.40
             0.82 57.23
```

```
## [1] "relative convergence (4)"
Thiele log-Normal Hump
     user system elapsed
             0.70
                   62.25
##
    61.55
## [1] "relative convergence (4)"
Thiele Normal Hump (Pop 5-9 to 70-74, DHS 15-19 to 45-49)
##
     user system elapsed
##
     54.25
             0.68
                    55.06
## [1] "relative convergence (4)"
Thiele log-Normal Hump (Pop 5-9 to 70-74, DHS 15-19 to 45-49)
##
     user system elapsed
    58.71
             0.65
                    59.57
##
## [1] "relative convergence (4)"
```

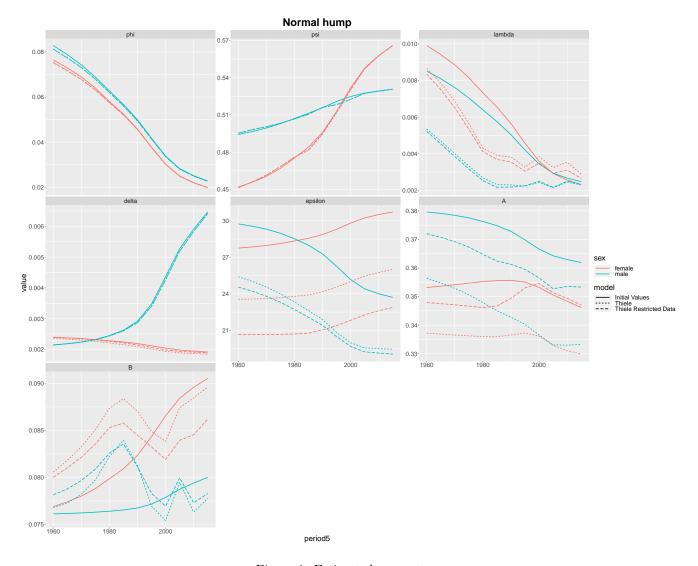


Figure 1: Estimated parameters

Using Sex as id variables
Using Sex as id variables
Warning: Removed 8 rows containing missing values (geom_point).
Warning: Removed 8 rows containing missing values (geom_point).
Warning: Removed 8 rows containing missing values (geom_point).
Warning: Removed 8 rows containing missing values (geom_point).
Warning: Removed 8 rows containing missing values (geom_point).

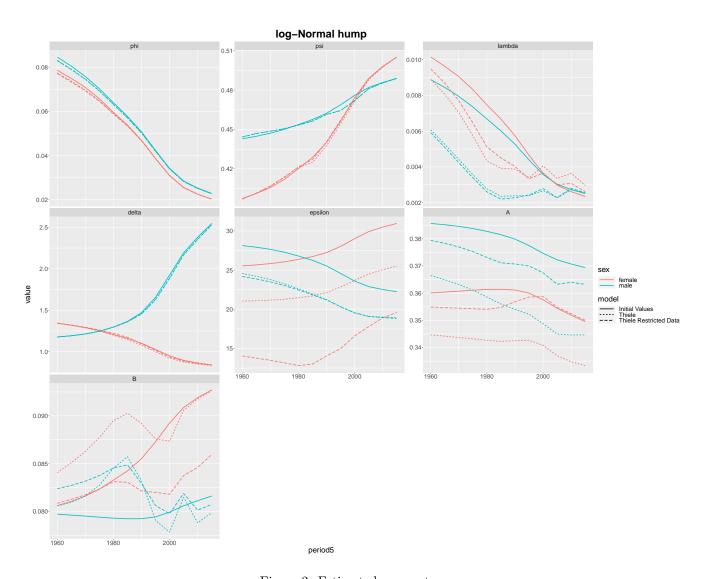


Figure 2: Estimated parameters

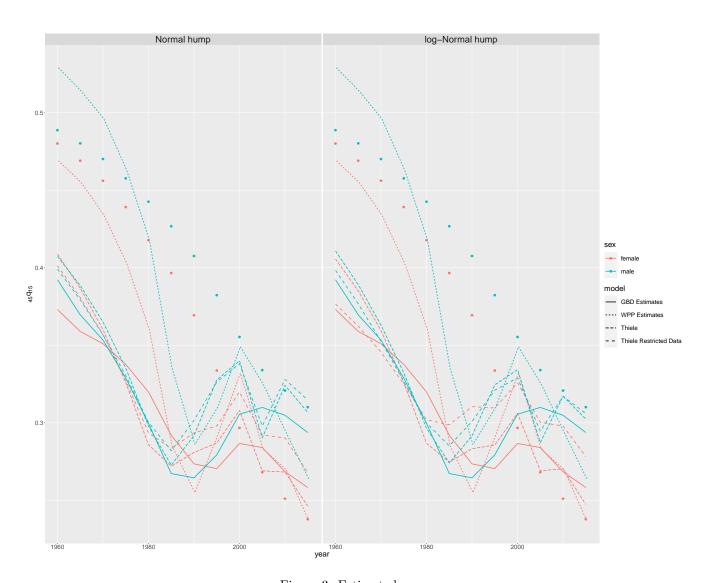


Figure 3: Estimated $_{45}q_{15}$

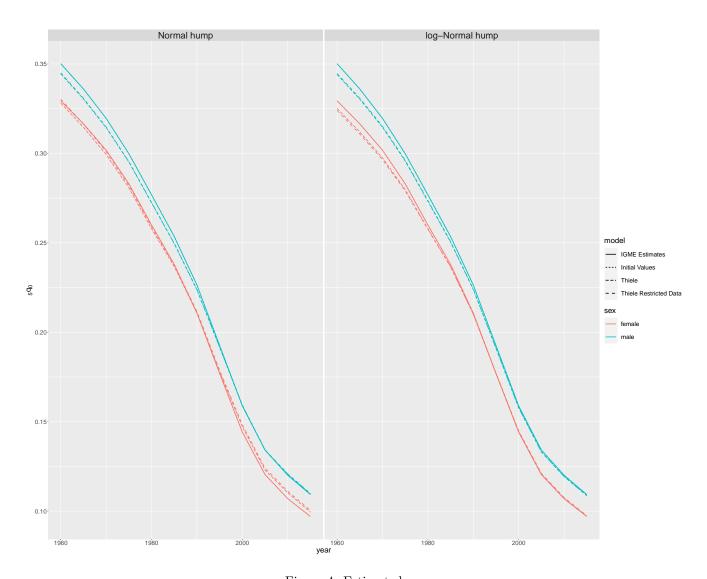


Figure 4: Estimated $_5q_0$

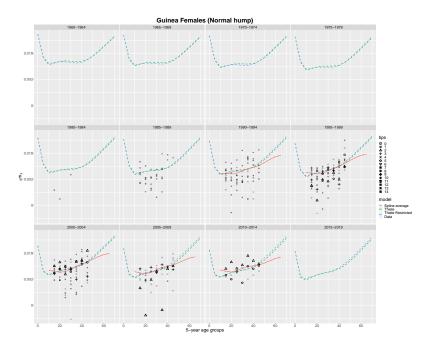


Figure 5: Mortality Schedules

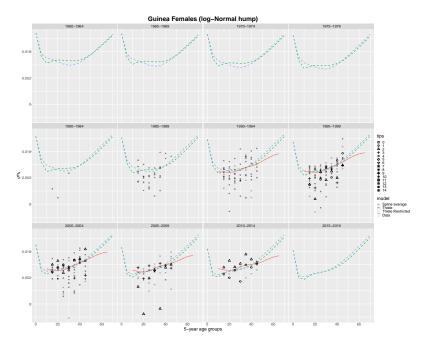


Figure 6: Mortality Schedules

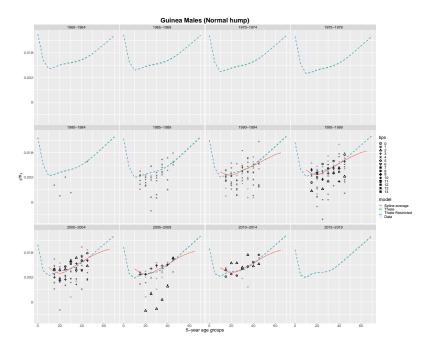


Figure 7: Mortality Schedules

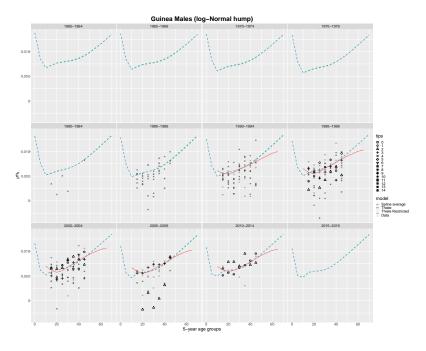


Figure 8: Mortality Schedules

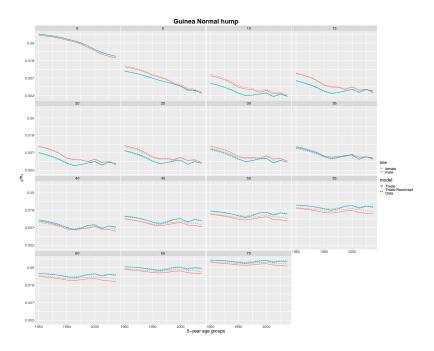


Figure 9: Mortality Schedules

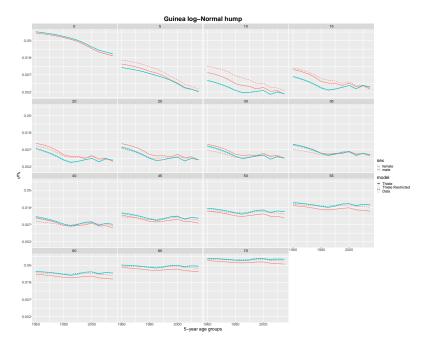


Figure 10: Mortality Schedules

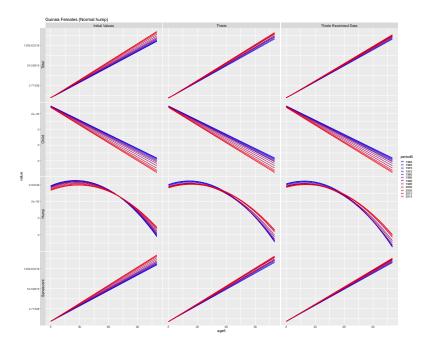


Figure 11: Thiele Decomposed

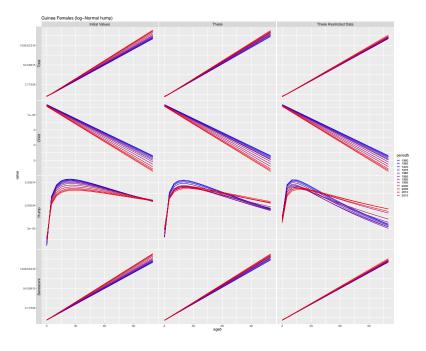


Figure 12: Thiele Decomposed

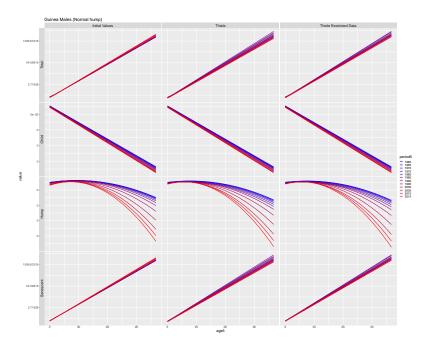


Figure 13: Thiele Decomposed

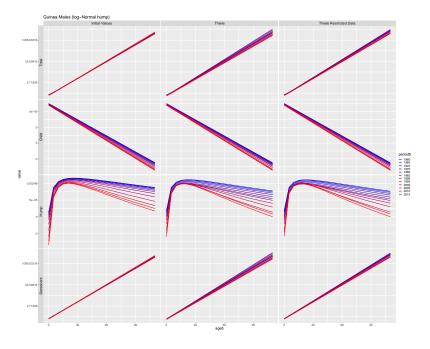


Figure 14: Thiele Decomposed

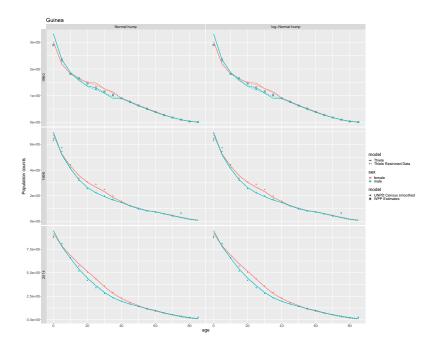


Figure 15: Population

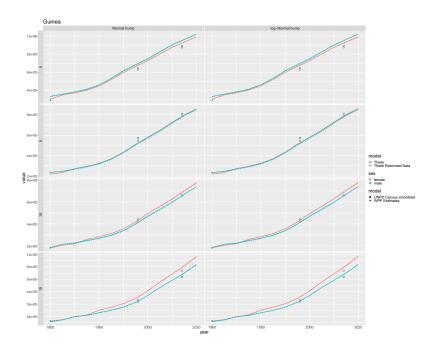


Figure 16: Population

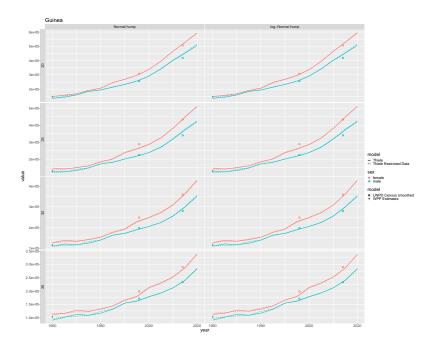


Figure 17: Population

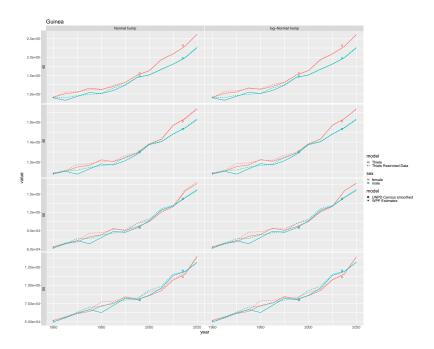


Figure 18: Population

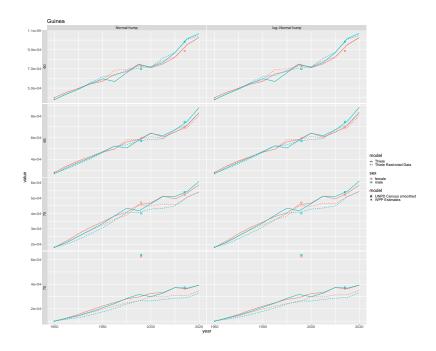


Figure 19: Population

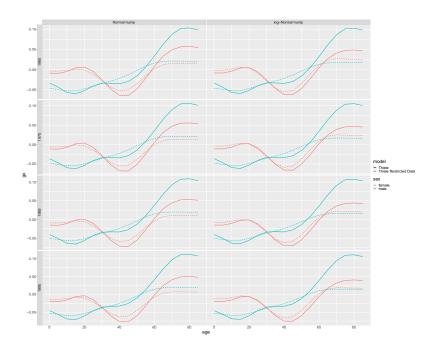


Figure 20: Migration

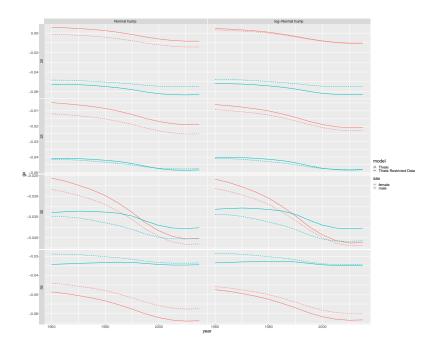


Figure 21: Migration

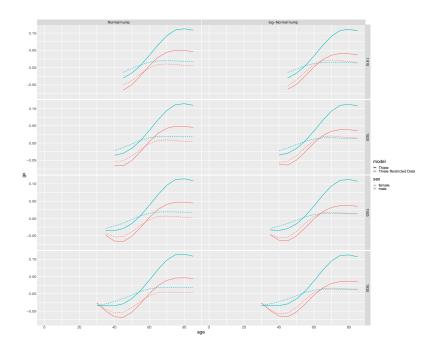


Figure 22: Migration

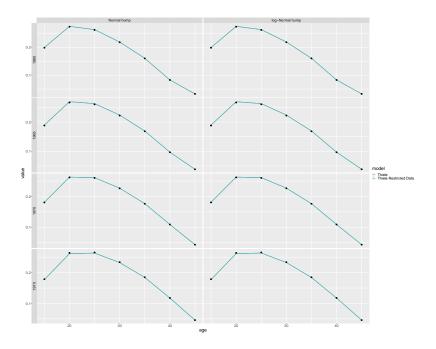


Figure 23: Fertility

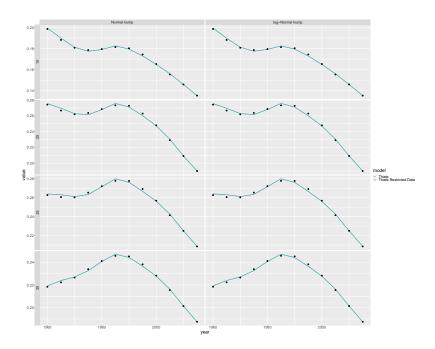


Figure 24: Fertility