

# Burkina Faso

```
## [1] "Census Females"

## # A tibble: 86 x 4
##   age `1985` `1996` `2006`
##   <dbl> <dbl> <dbl> <dbl>
## 1 0 168022. 172870 232734.
## 2 1 123865. 158974. 223944.
## 3 2 142053. 174410. 242692.
## 4 3 146137. 184285. 249931.
## 5 4 150883. 189495. 251448.
## 6 5 154008. 188243. 246943.
## 7 6 148134. 185588. 240547.
## 8 7 142061. 176756. 231681.
## 9 8 131616. 171109. 223428.
## 10 9 121004. 159422. 206324.
## # ... with 76 more rows

## [1] "Census Females 5-year"

## # A tibble: 18 x 2
##   age `1975`
##   <dbl> <dbl>
## 1 0 479362.
## 2 5 417499.
## 3 10 327051.
## 4 15 262454.
## 5 20 237211.
## 6 25 221469.
## 7 30 189966.
## 8 35 154009.
## 9 40 126640.
## 10 45 103550.
## 11 50 83233.
## 12 55 63930.
## 13 60 48696.
## 14 65 35645.
## 15 70 25876.
## 16 75 17660.
## 17 80 10821.
## 18 85 13098.

## [1] "Census Males"

## # A tibble: 86 x 4
##   age `1985` `1996` `2006`
##   <dbl> <dbl> <dbl> <dbl>
## 1 0 167871. 173583 236268.
## 2 1 125161. 161235 229350.
## 3 2 143298. 177204. 248241.
## 4 3 146815. 186865. 255136.
## 5 4 151703. 192377. 256830.
## 6 5 155111. 191497. 252191.
```

```
## 7      6 149342. 190015 246710.
## 8      7 144212. 182532 239014.
## 9      8 135460. 177876. 231703.
## 10     9 125896. 167372. 216278.
## # ... with 76 more rows
```

```
## [1] "Census Males 5-year"
```

```
## # A tibble: 18 x 2
```

```
##   age `1975`
##   <dbl>   <dbl>
```

```
## 1      0 498118.
## 2      5 454940.
## 3     10 367257.
## 4     15 275547.
## 5     20 209858.
## 6     25 175866.
## 7     30 155352.
## 8     35 135026.
## 9     40 116652.
## 10    45 101729.
## 11    50  88268.
## 12    55  72765.
## 13    60  56927.
## 14    65  41731.
## 15    70  30718.
## 16    75  20445.
## 17    80  10919.
## 18    85  16960.
```

### *Thiele log-Normal Hump Spline*

```
## [1] "relative convergence (4)"
```

##	log_tau2_logpop	log_tau2_logpop	log_tau2_logpop	log_tau2_logpop	log
##	5.3851600	6.7146263	5.3422942	6.5020543	
##	log_dispersion	log_dispersion	log_lambda_tp	tp_slope	
##	0.8070389	0.9553381	3.3792916	-0.0193734	
##	log_lambda_phi	log_lambda_psi	log_lambda_A	log_lambda_B	log_la
##	12.6489113	12.6997236	12.7788498	12.9553814	
##	log_lambda_epsilon				
##	4.3879811				

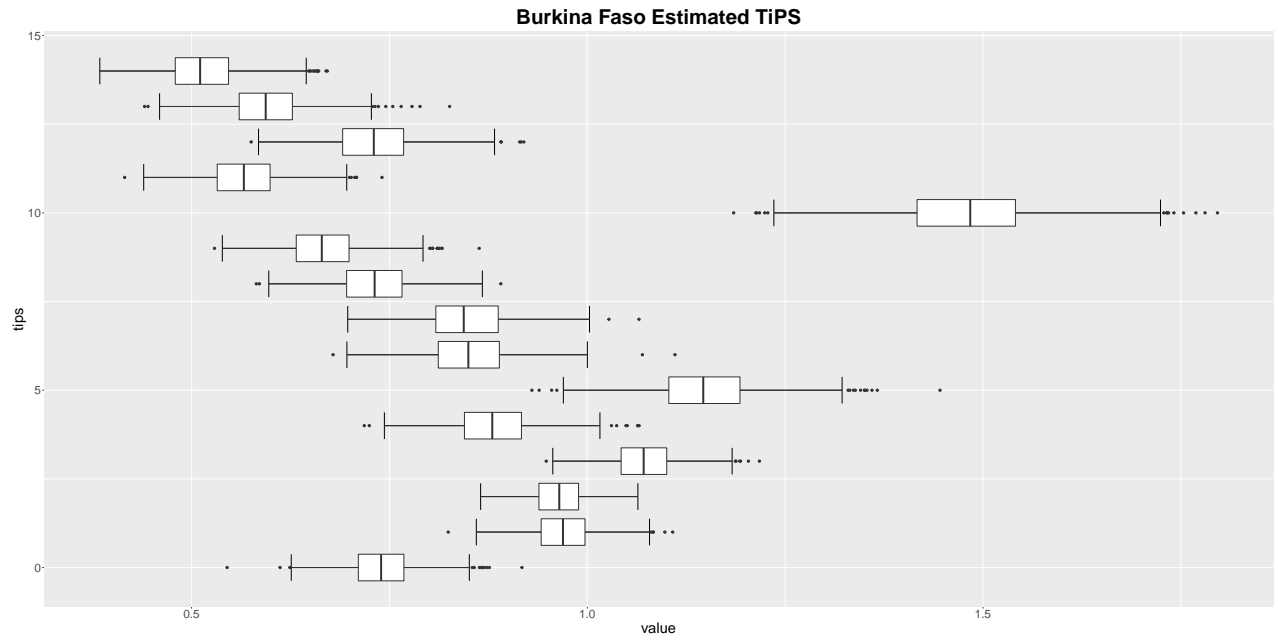


Figure 1: Estimated TiPS

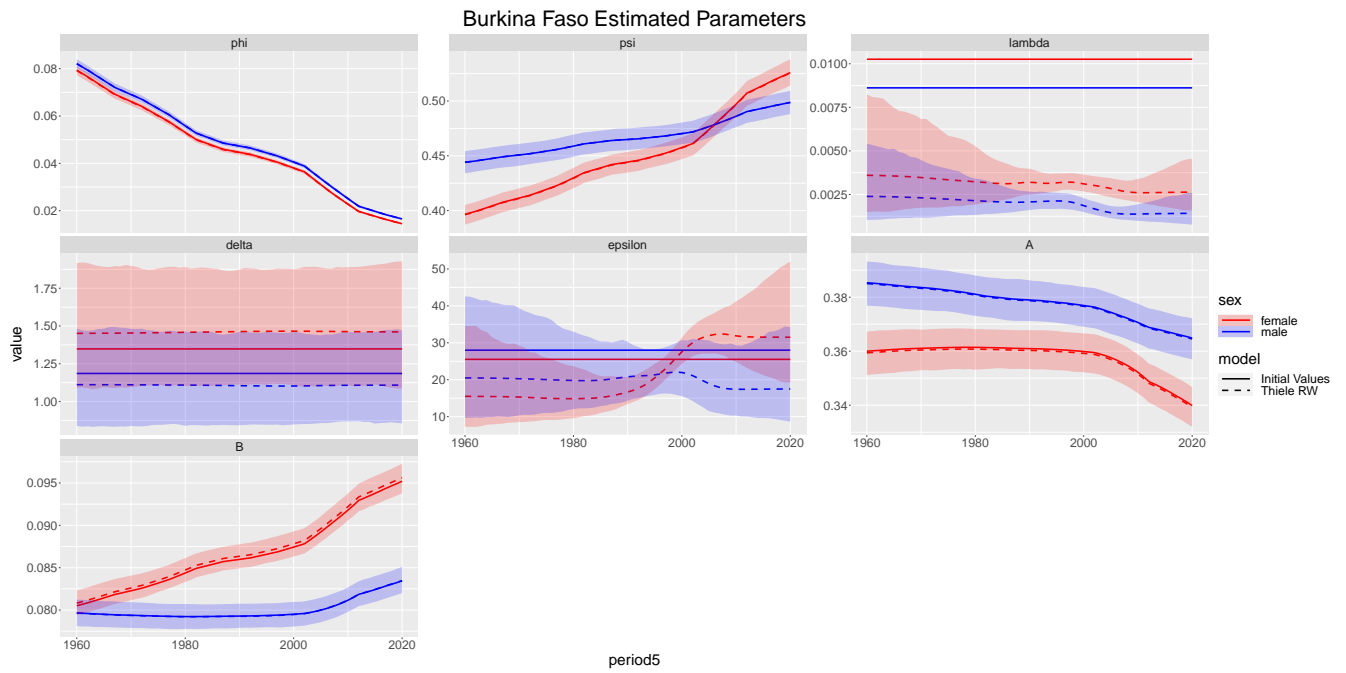


Figure 2: Estimated parameters

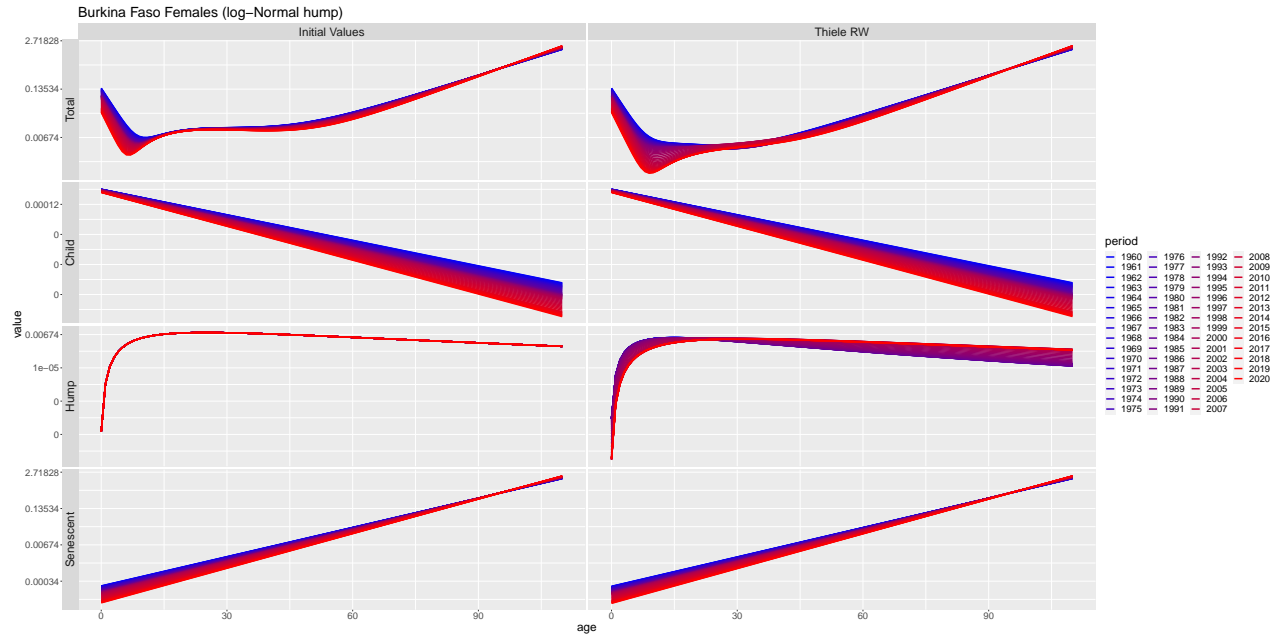


Figure 3: Thiele Decomposed

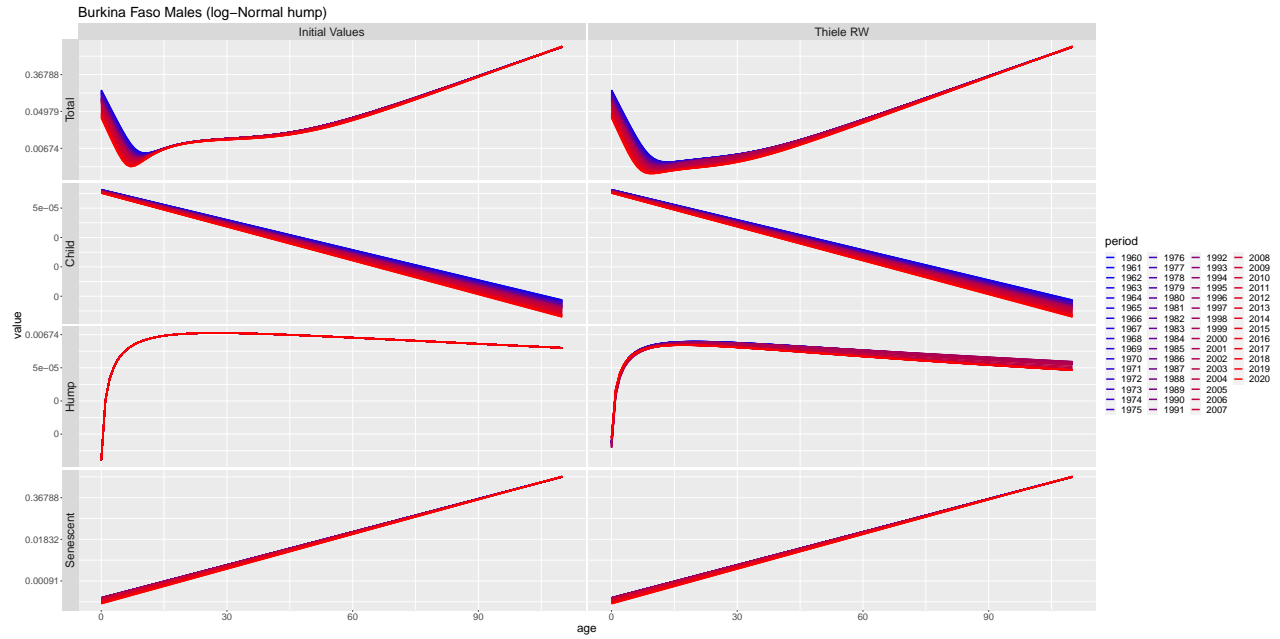


Figure 4: Thiele Decomposed

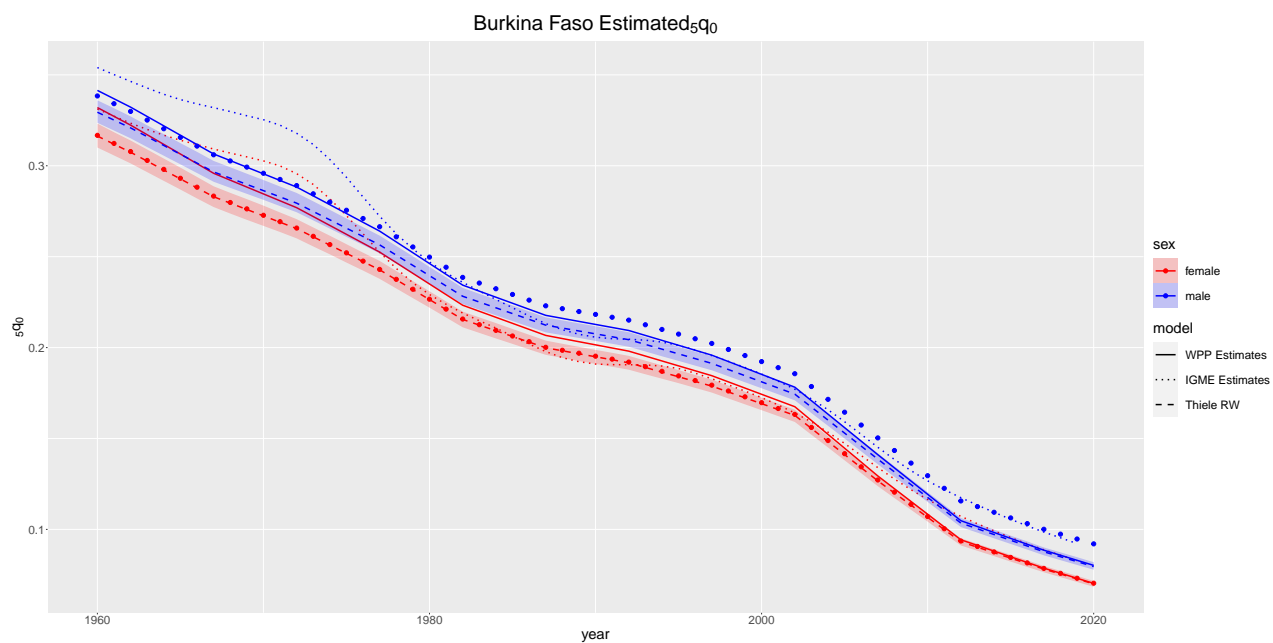


Figure 5: Estimated  ${}_5q_0$

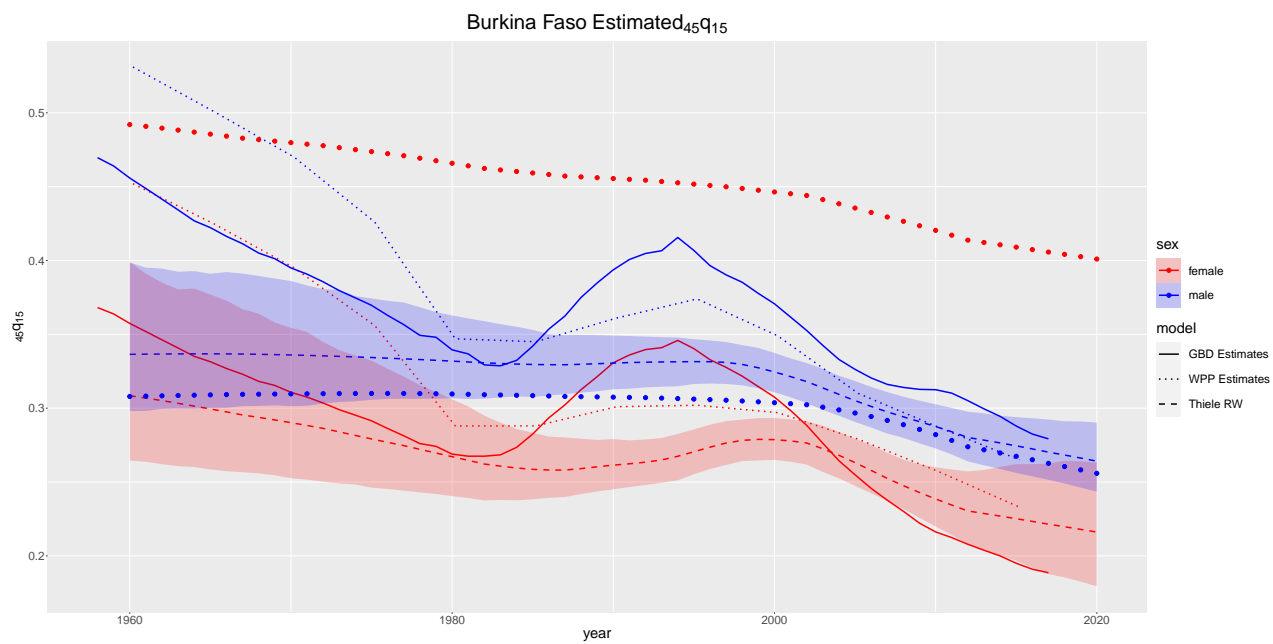


Figure 6: Estimated  ${}_{45}q_{15}$

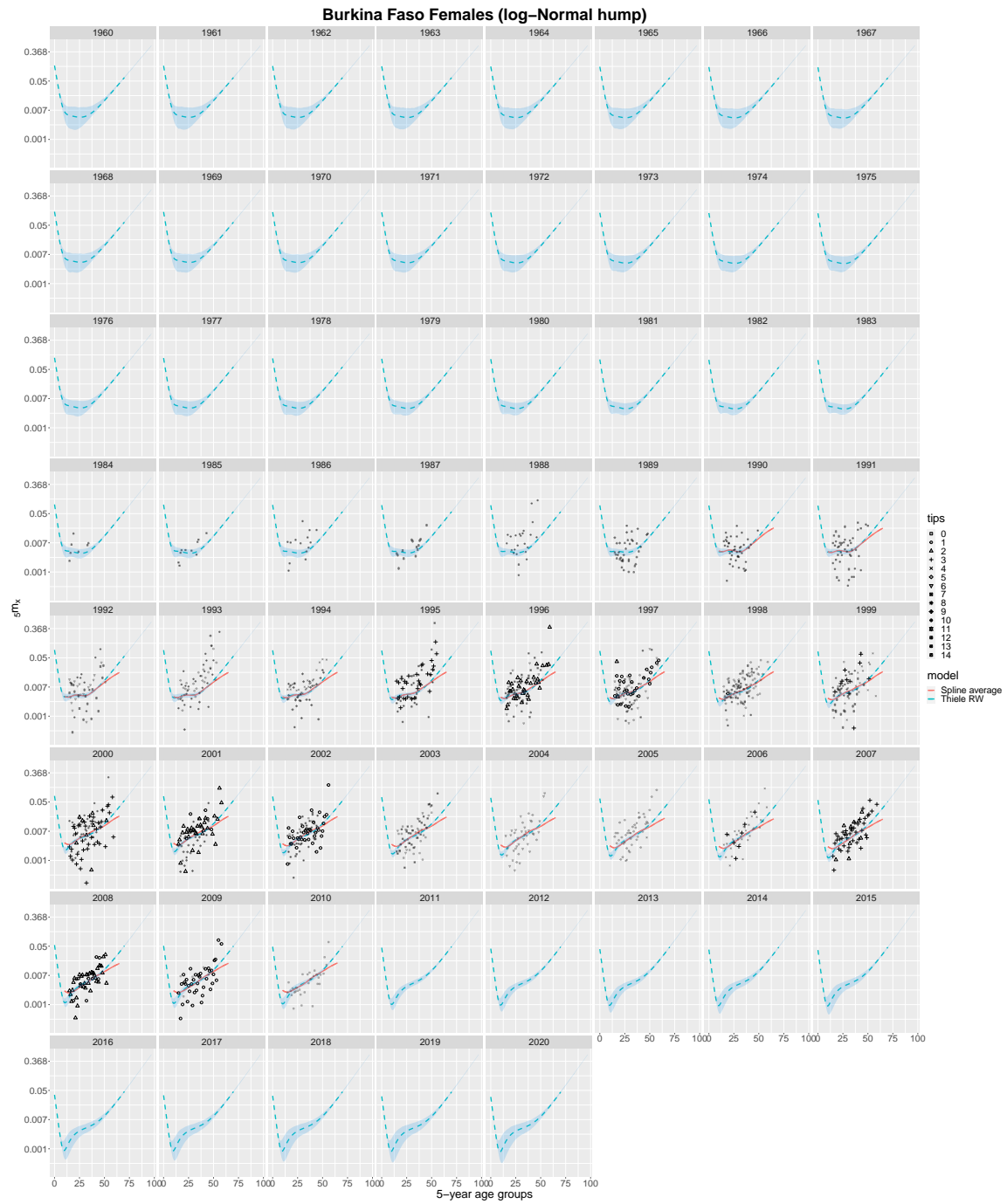


Figure 7: Mortality Schedules

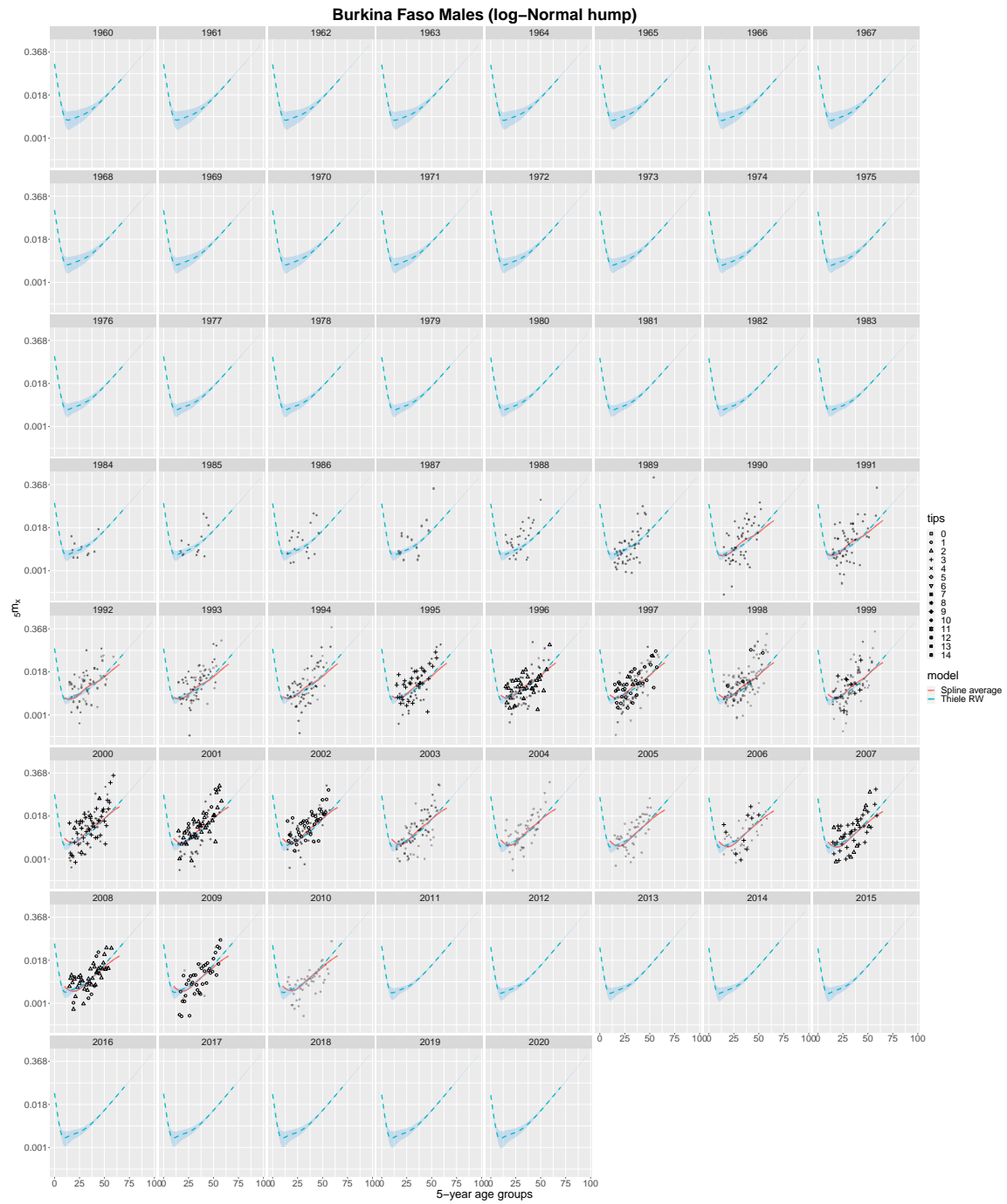


Figure 8: Mortality Schedules

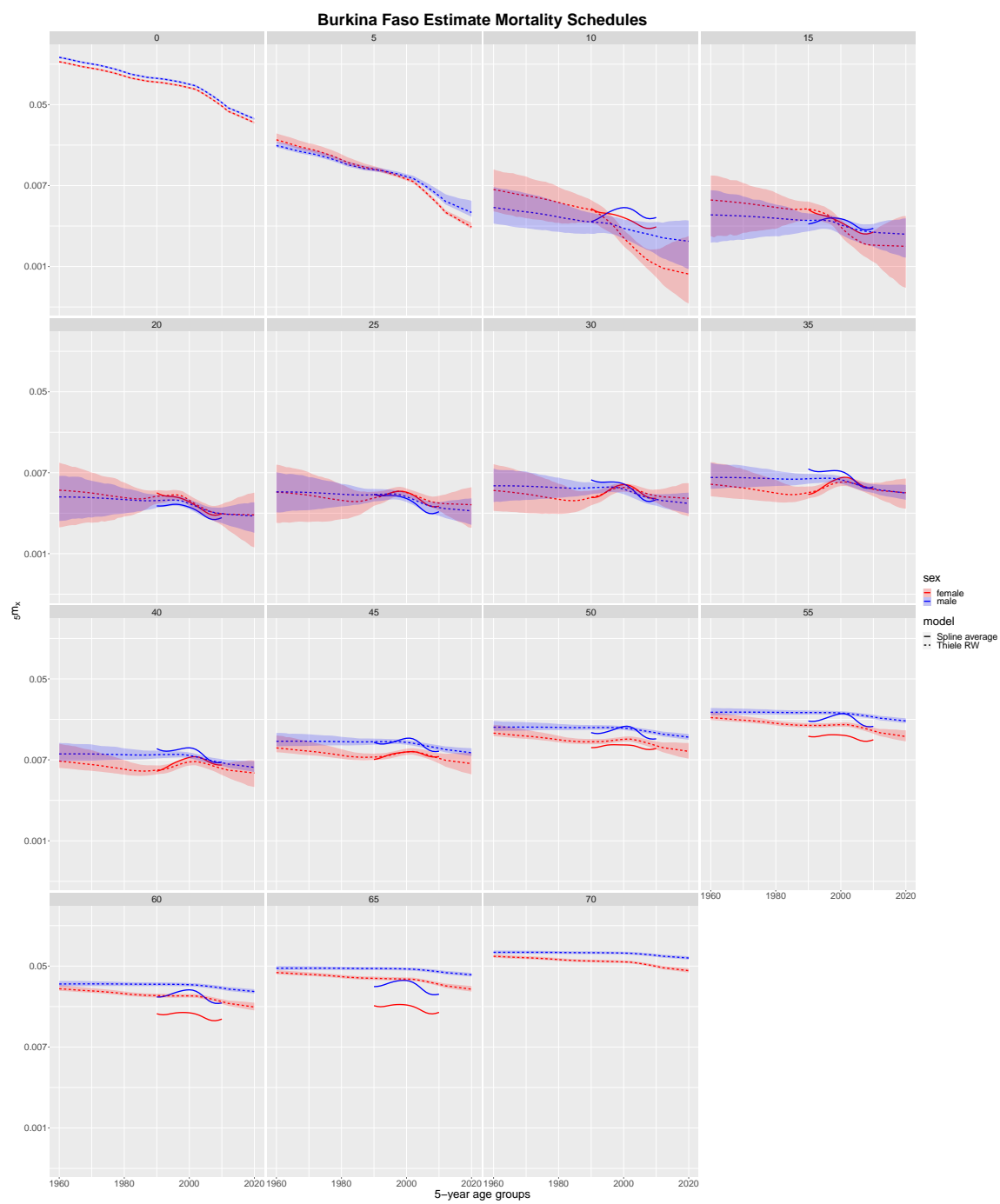


Figure 9: Mortality Schedules



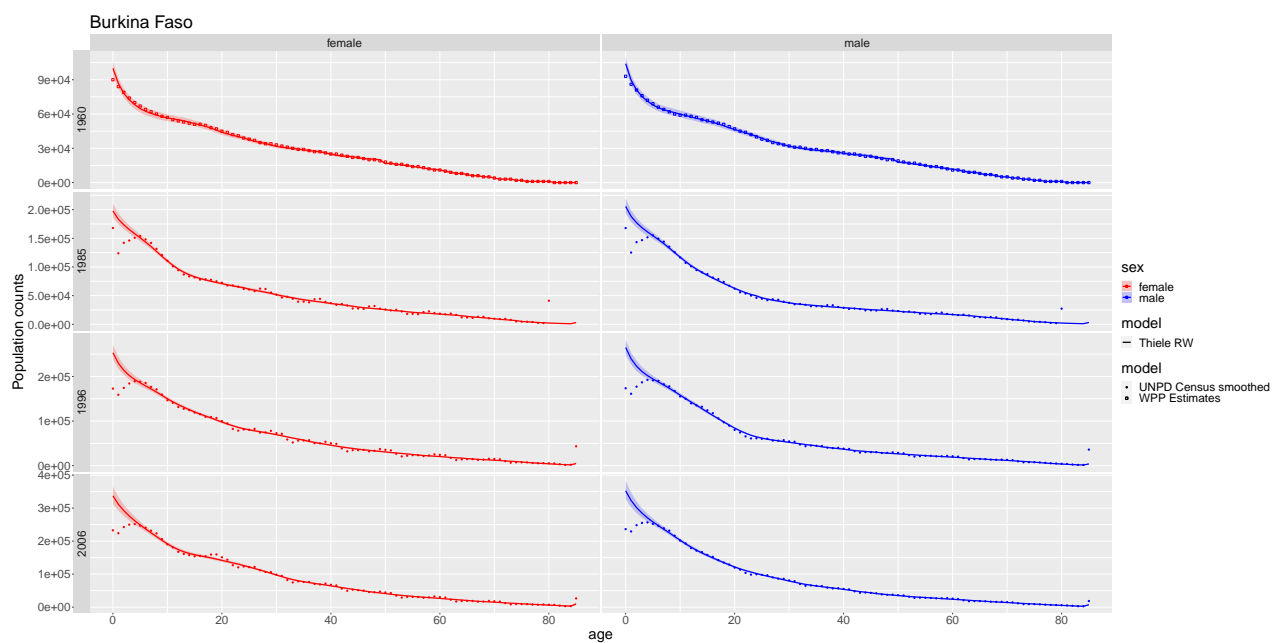


Figure 10: Population

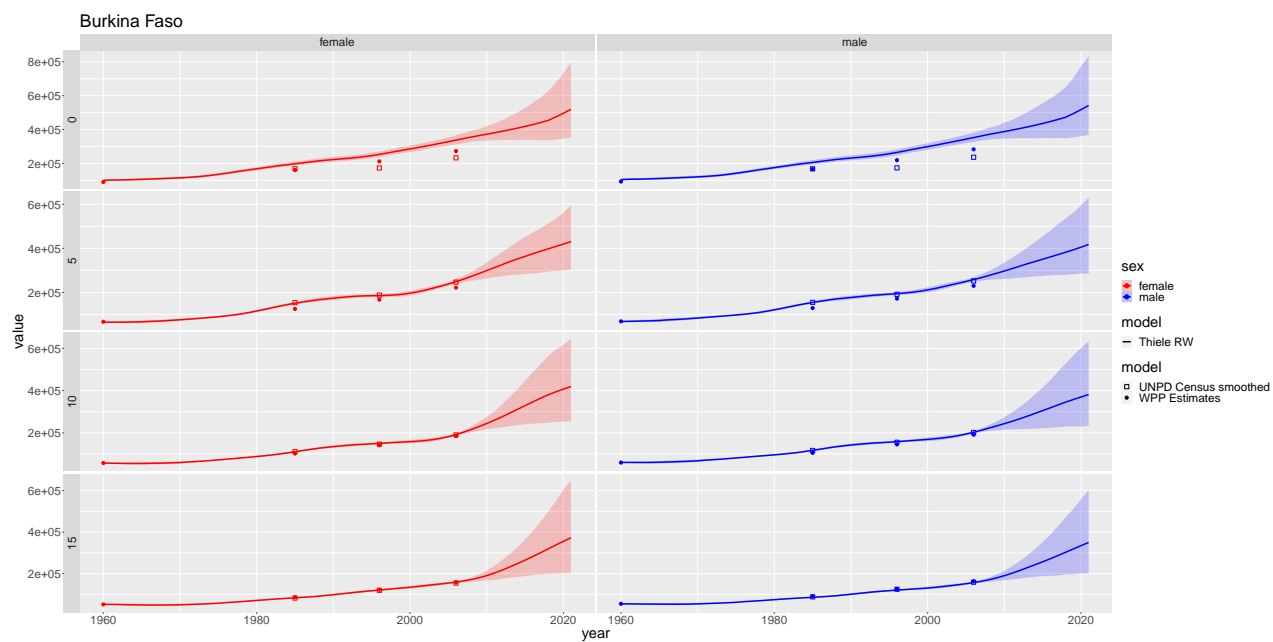


Figure 11: Population

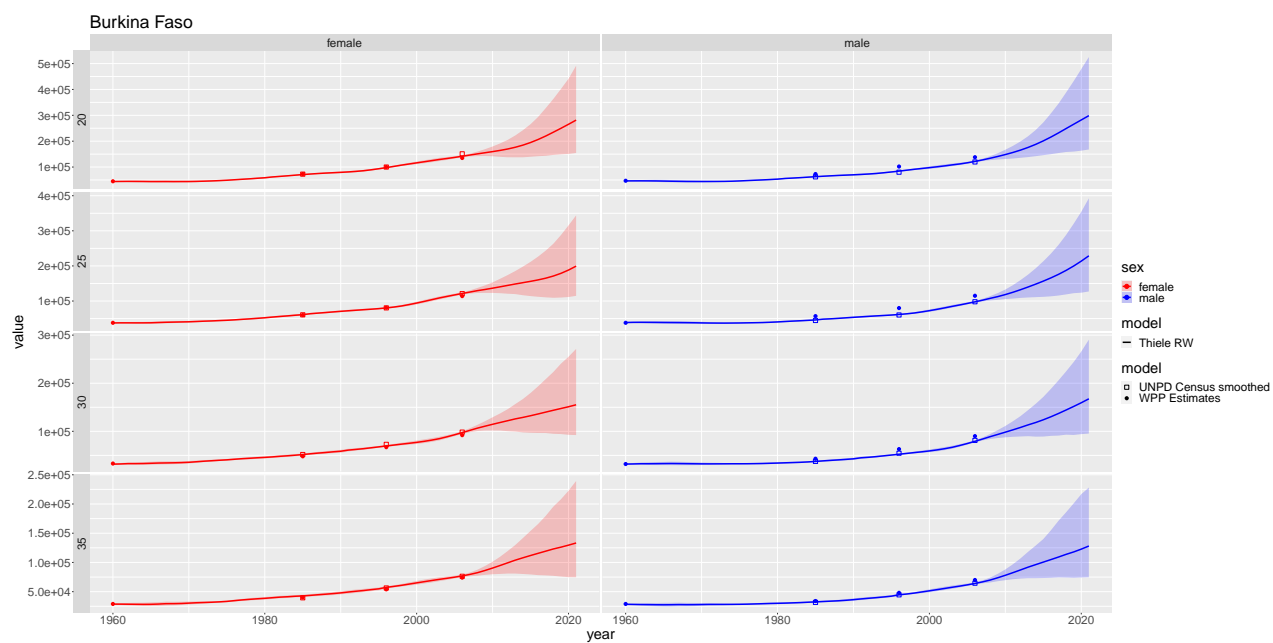


Figure 12: Population

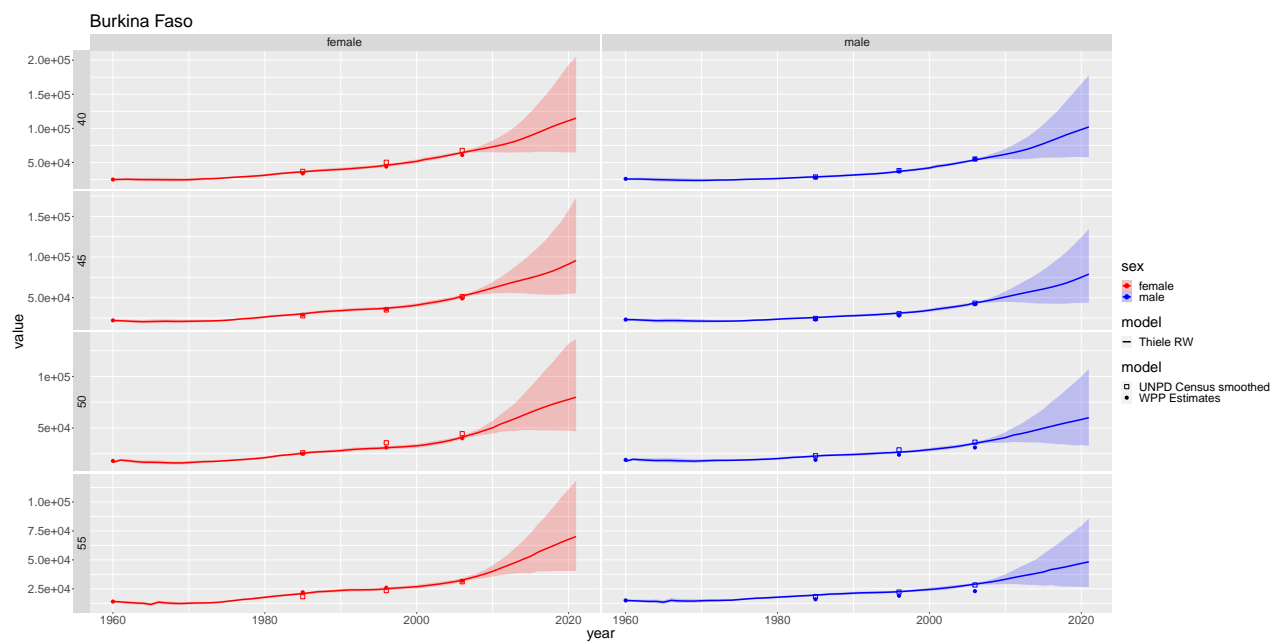


Figure 13: Population

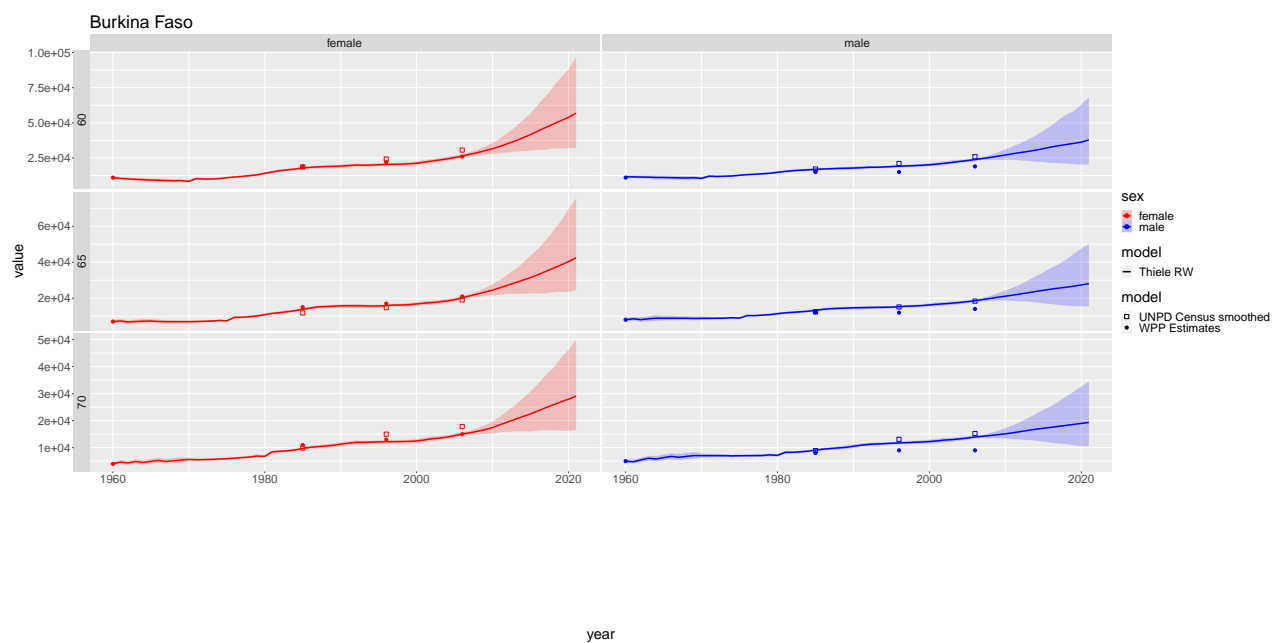


Figure 14: Population

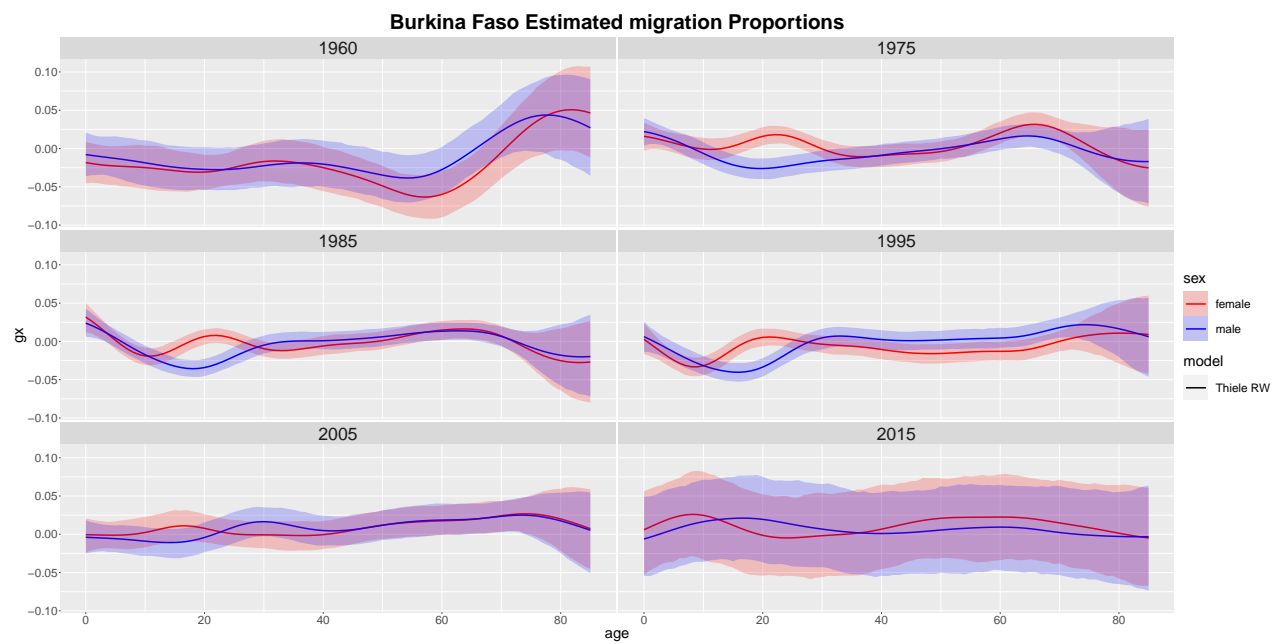


Figure 15: Migration

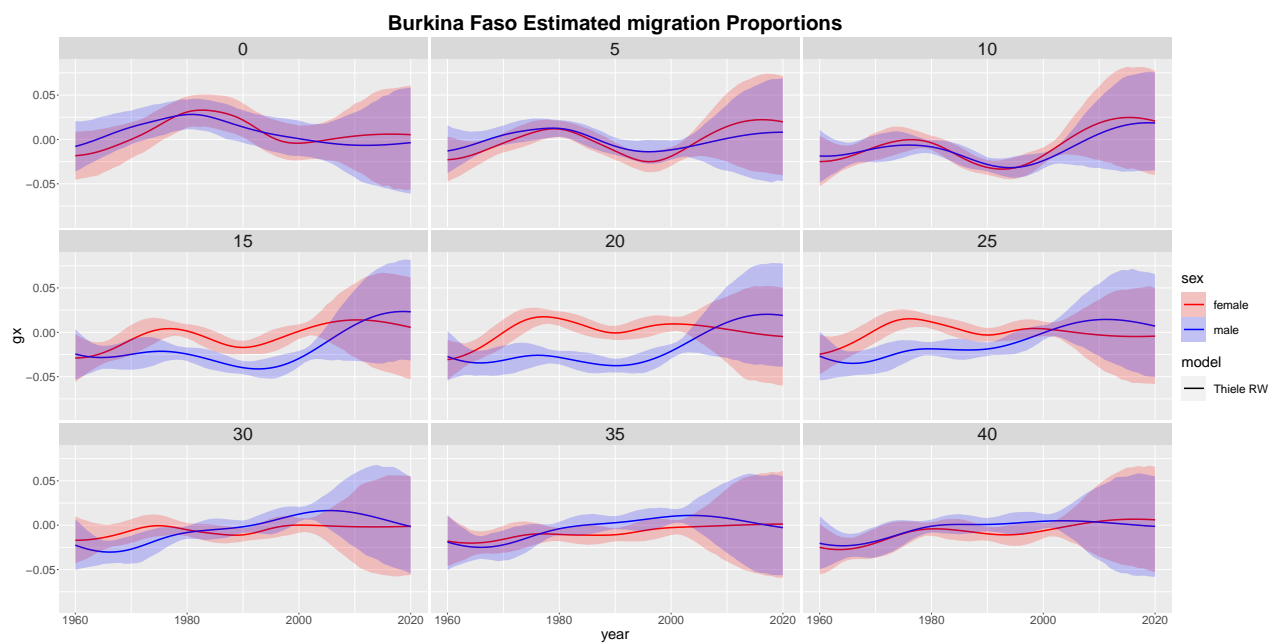


Figure 16: Migration

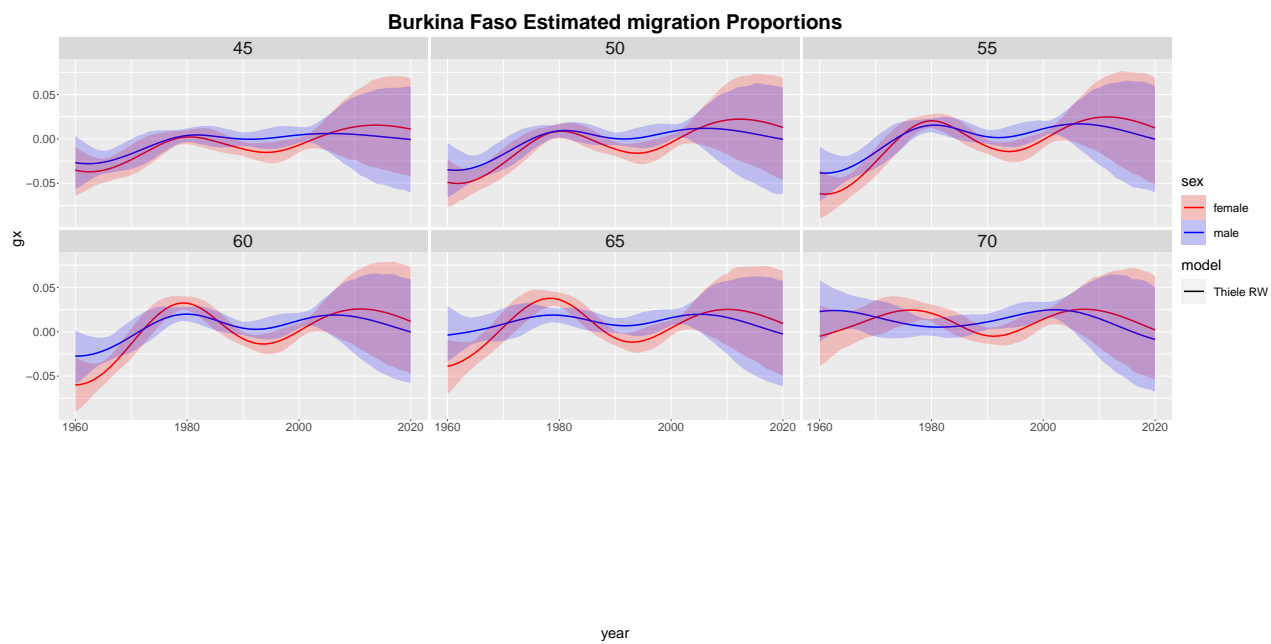


Figure 17: Migration

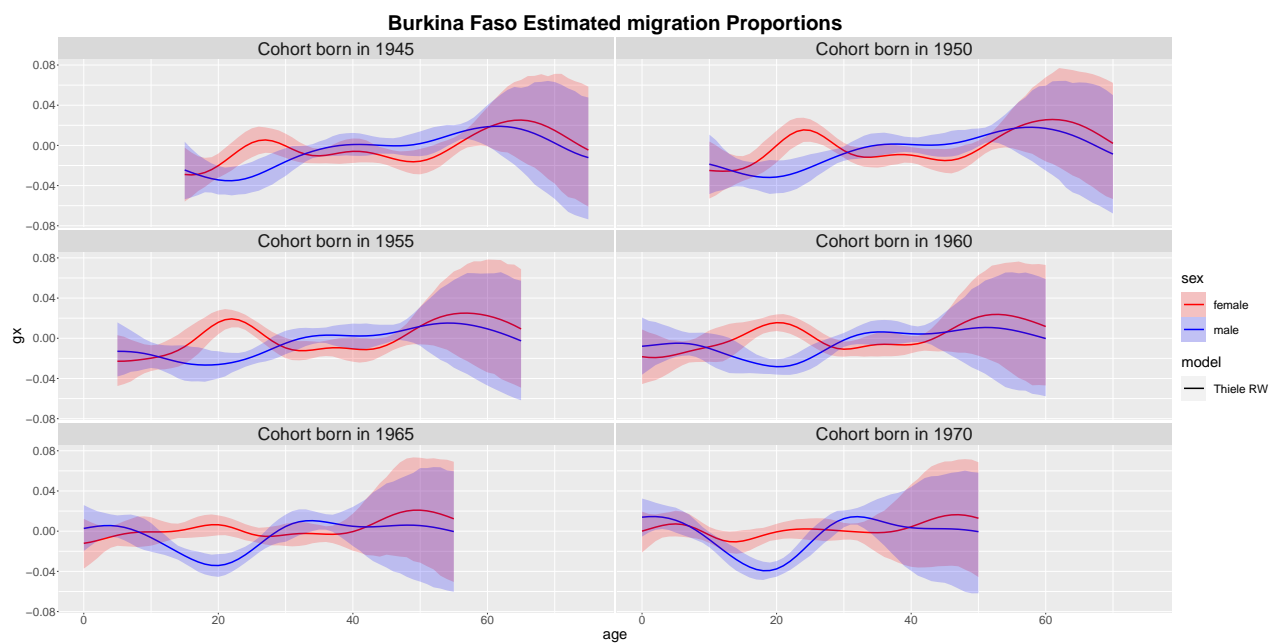


Figure 18: Migration

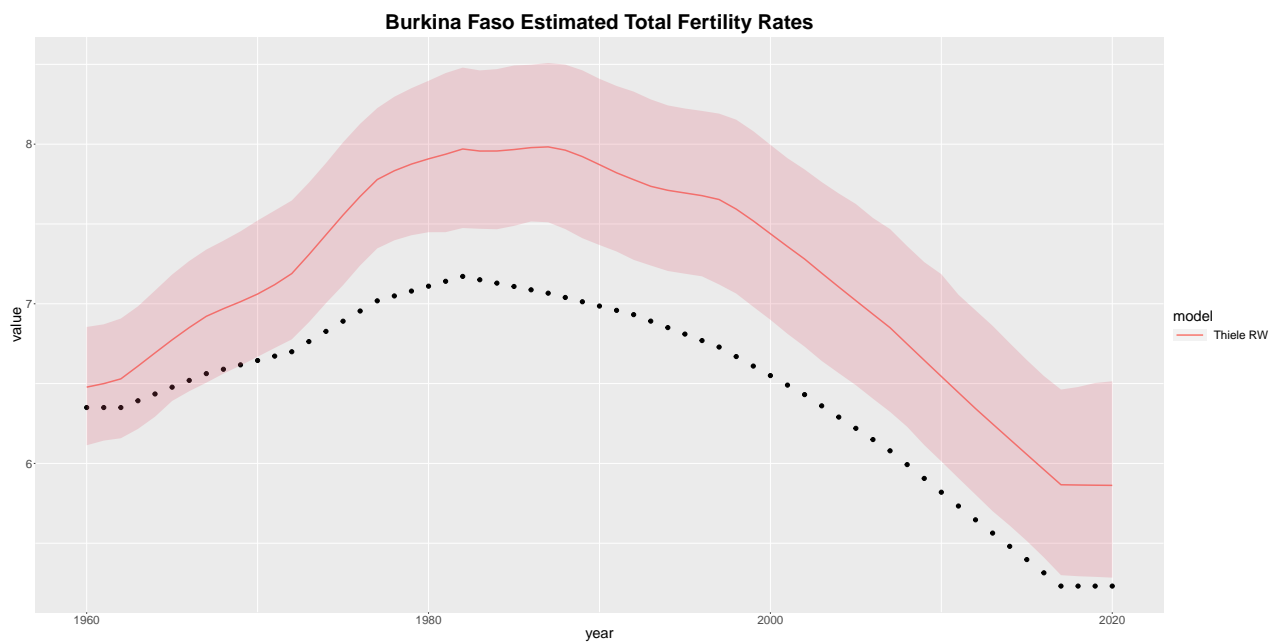


Figure 19: Total Fertility

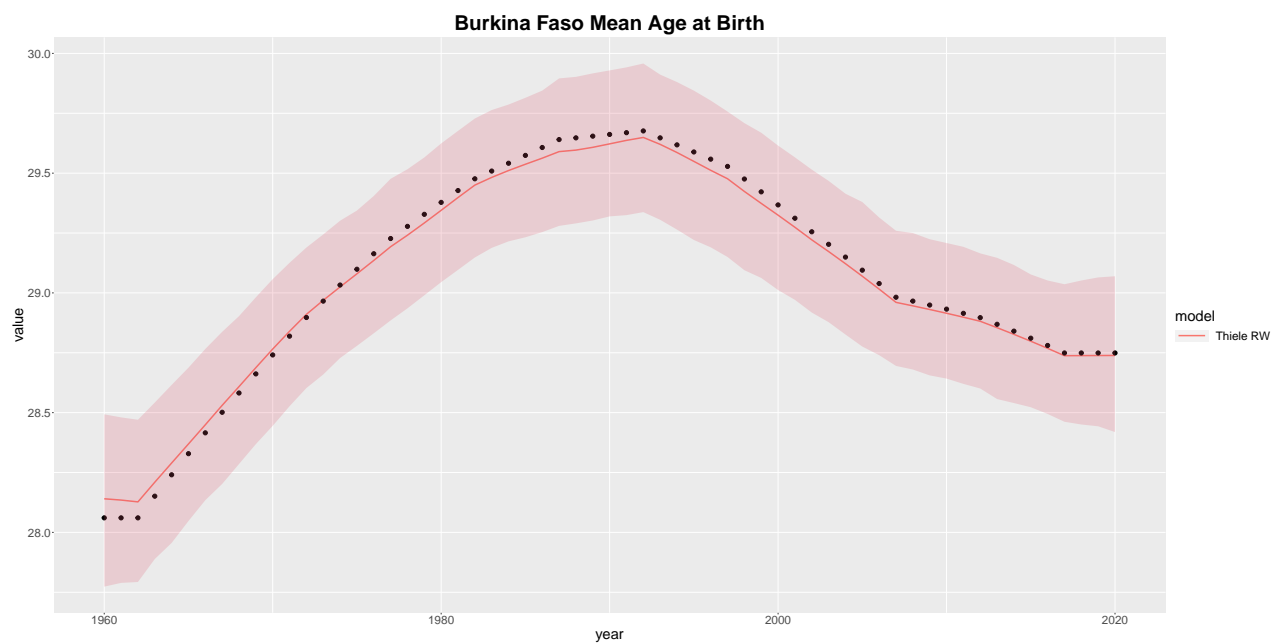


Figure 20: Mean age at births

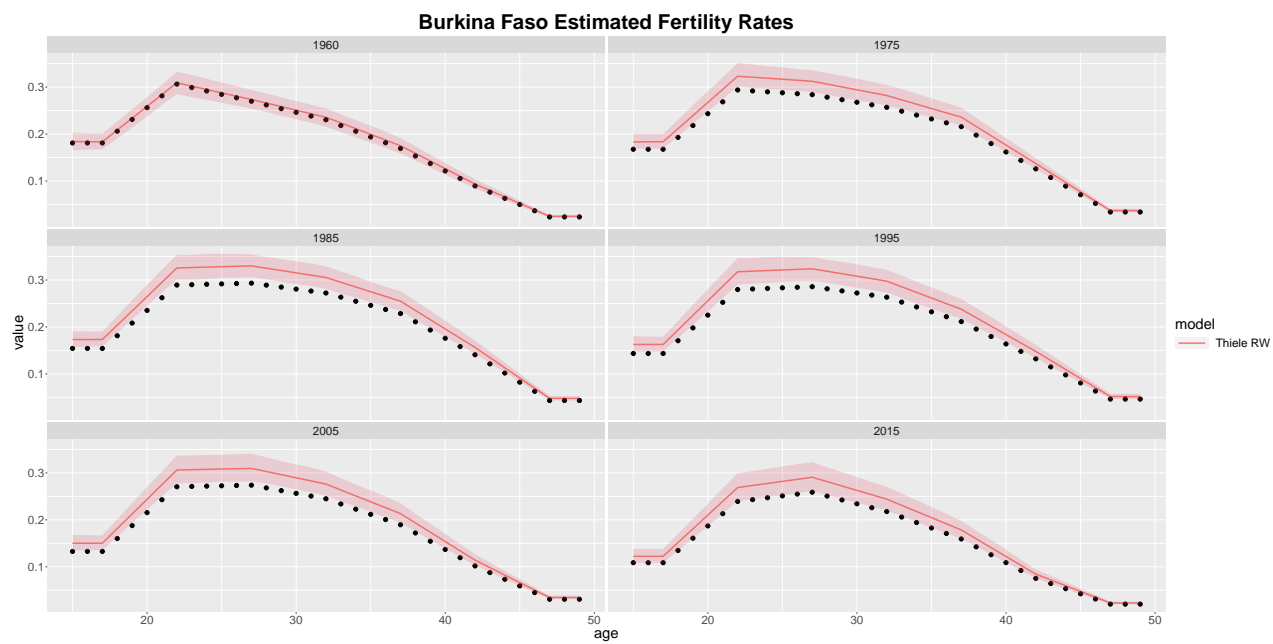


Figure 21: Fertility



Figure 22: Fertility