

Uganda

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

```
## # A tibble: 18 x 5
```

	aggr.age	`1969`	`1991`	`2002`	`2014`
*	<dbl>	<dbl>	<dbl>	<dbl>	<dbl>
1	0	930129.	1588010.	2272297	2957078
2	5	731111.	1300185.	2007532.	2712294
3	10	549558.	1094822.	1722724	2417842.
4	15	434495.	945137.	1428367	2069875.
5	20	390729.	810596.	1179626.	1717473.
6	25	361647.	660747.	950086.	1368221.
7	30	305570.	496738.	724970.	1059694.
8	35	242940.	366751.	549253.	829410.
9	40	193769.	286792.	417383	647323.
10	45	159740.	241832.	315234.	507612.
11	50	130663.	200909.	246670.	399629
12	55	100014.	157153.	201330.	298196.
13	60	78521.	128719.	166978.	227526.
14	65	59246.	101687.	131660.	184058.
15	70	40716.	73663.	97664.	142292.
16	75	27101.	40110.	69288.	100882
17	80	20993.	62896.	47141	67594.
18	85	22249.	NA	51094.	87729

```
## [1] "Census Males"
```

```
## # A tibble: 18 x 5
```

	aggr.age	`1969`	`1991`	`2002`	`2014`
*	<dbl>	<dbl>	<dbl>	<dbl>	<dbl>
1	0	909559.	1566538.	2272126	3173950
2	5	739528.	1297857.	2006388.	2826413.
3	10	575597.	1093664.	1709150.	2419458.
4	15	436525.	893378.	1346887.	1935705.
5	20	361659.	724412.	1029835.	1487535
6	25	337569.	599335.	838098.	1159955.
7	30	306226.	470448.	684944.	921679
8	35	256342.	351489.	523329.	744548.
9	40	207287.	271554.	387733	603126
10	45	172495.	229568.	284792.	473080.
11	50	141999.	194606.	213544	354774.
12	55	111405.	154572.	174064.	253985.
13	60	89880.	123911.	152881.	187860.
14	65	69752.	97836.	126586.	145840.
15	70	50089.	73178.	93752.	109232.
16	75	34483.	45277.	65857.	76481.
17	80	26779.	69483.	43377	48602.
18	85	34082.	NA	44460.	58889

Thiele log-Normal Hump RW

```
## user system elapsed
## 32.11 0.64 33.04
```

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

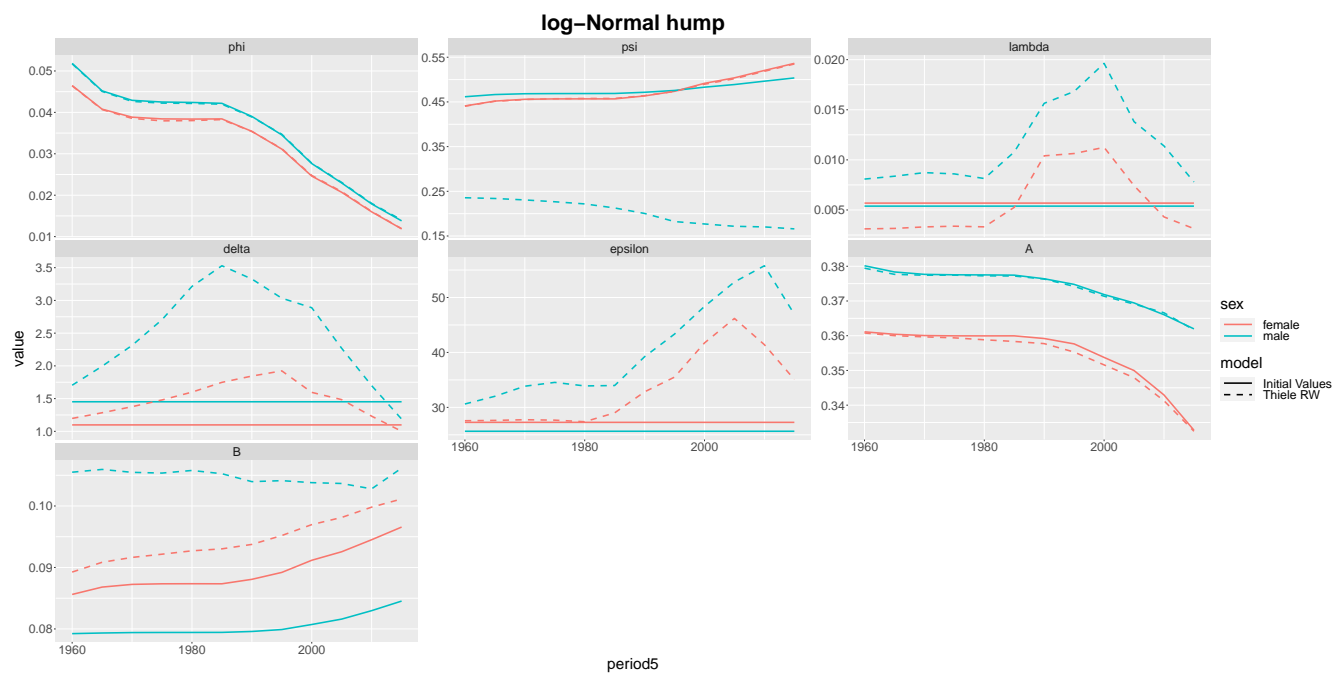


Figure 1: Estimated parameters



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

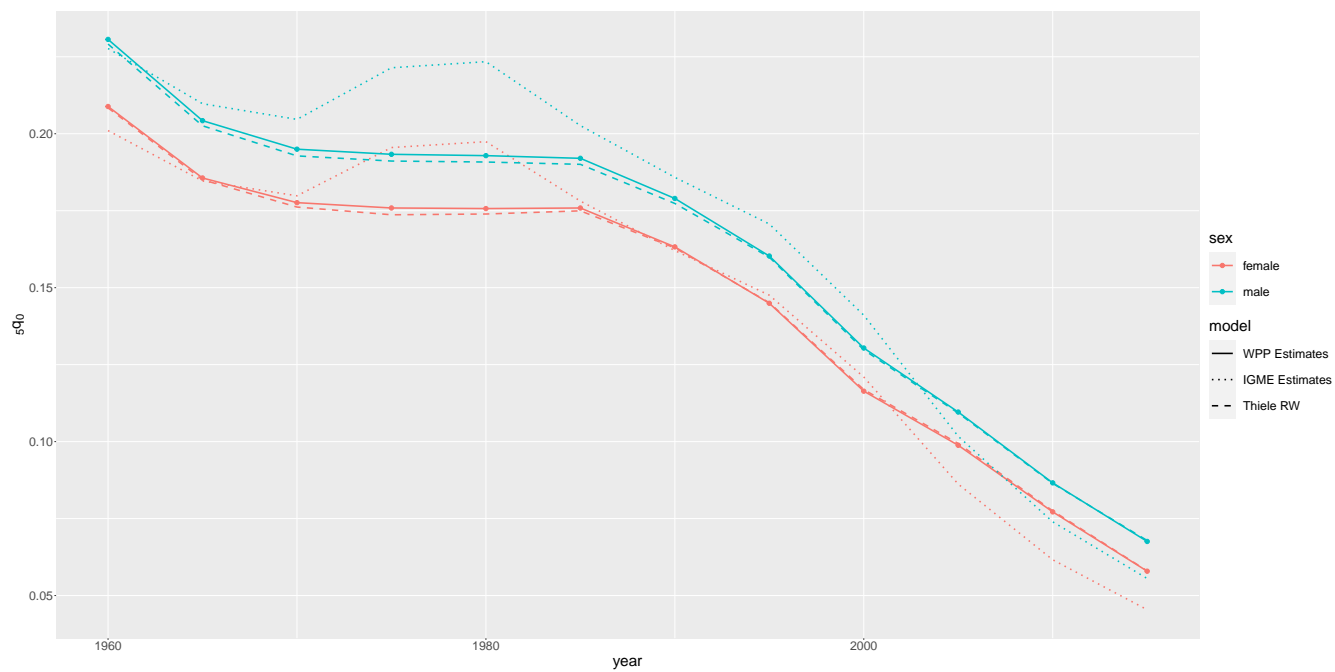


Figure 3: Estimated $_{5}q_0$

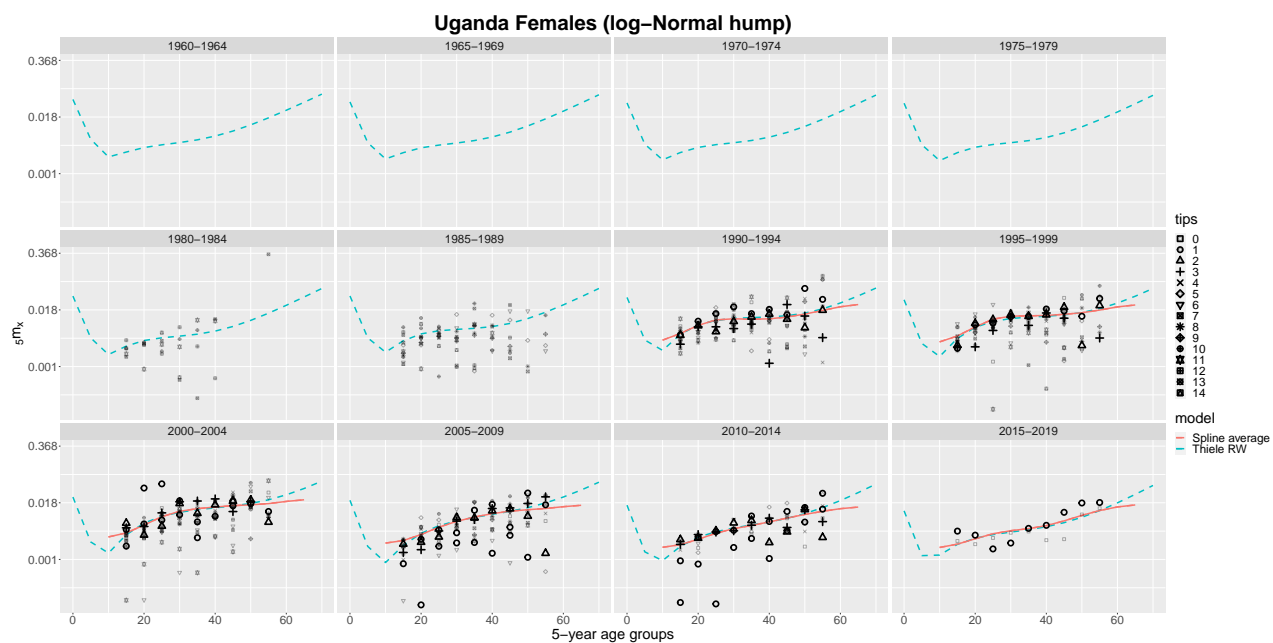


Figure 4: Mortality Schedules

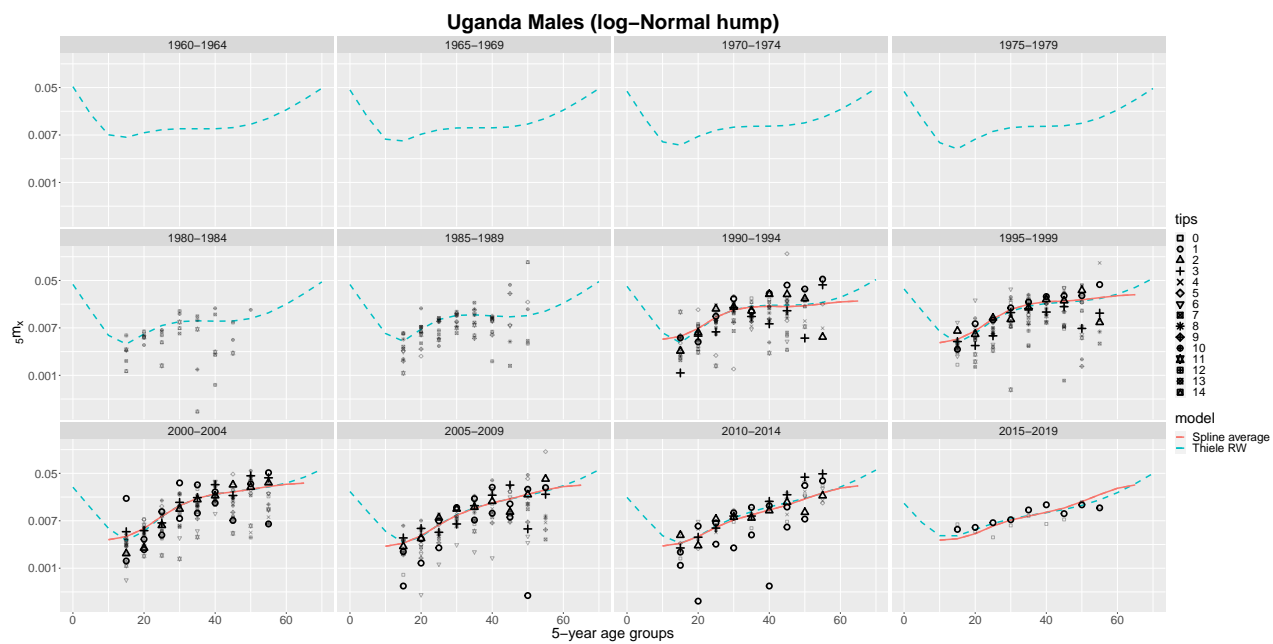


Figure 5: Mortality Schedules

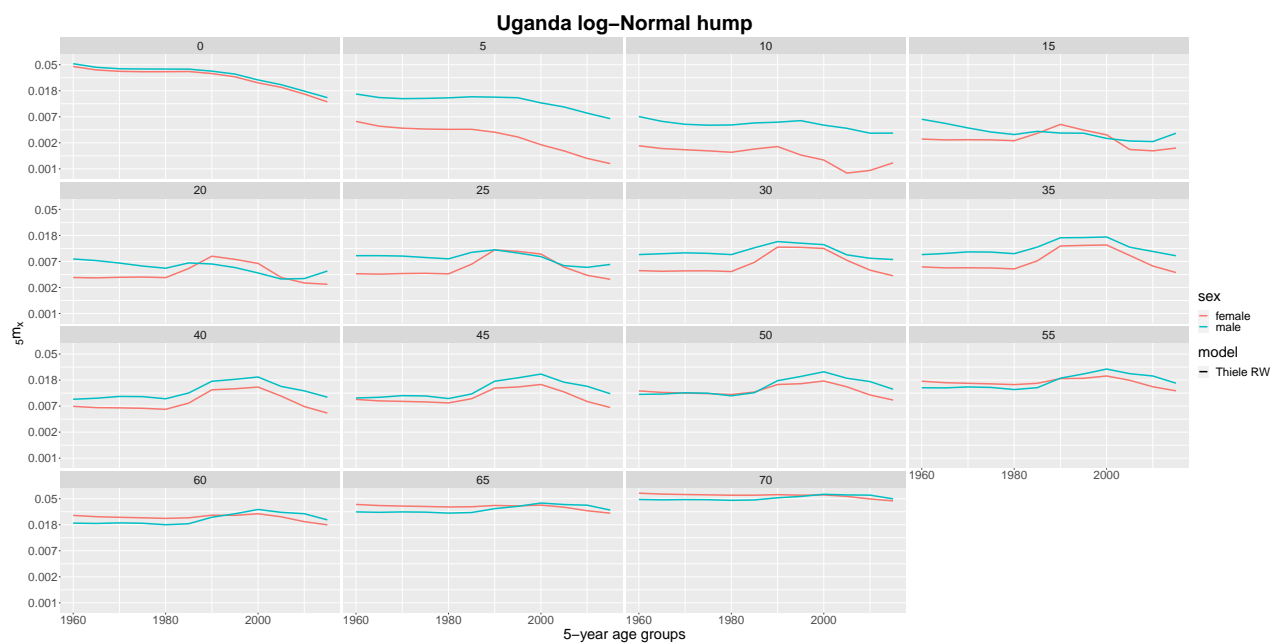


Figure 6: Mortality Schedules

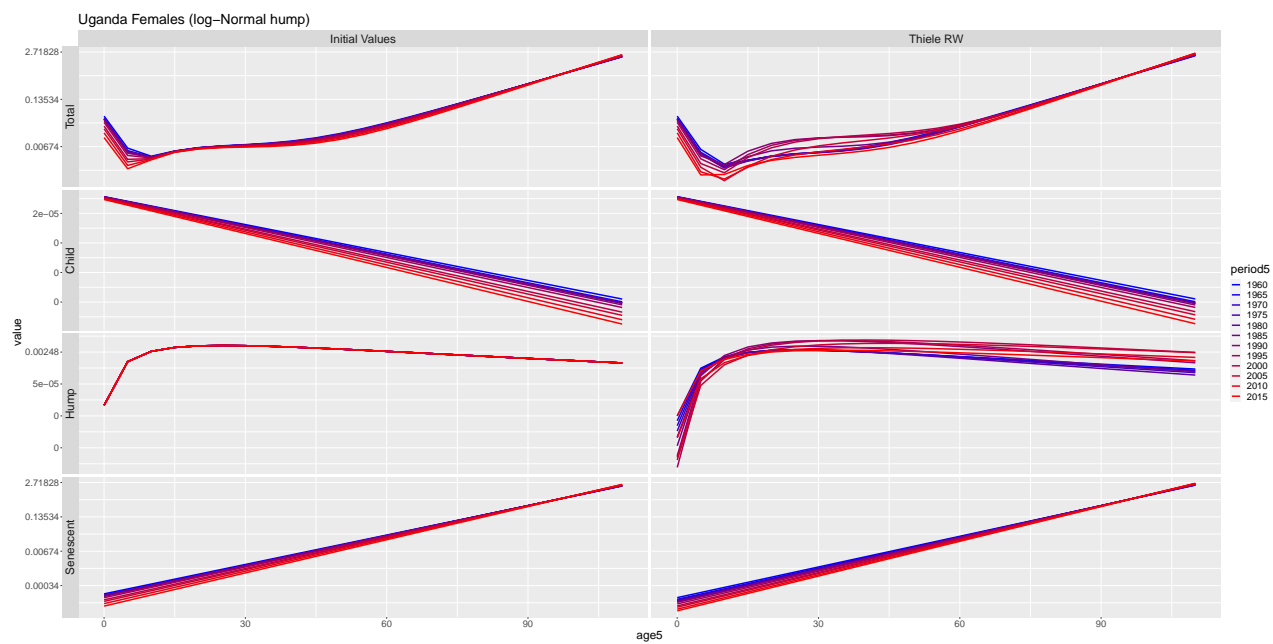


Figure 7: Thiele Decomposed

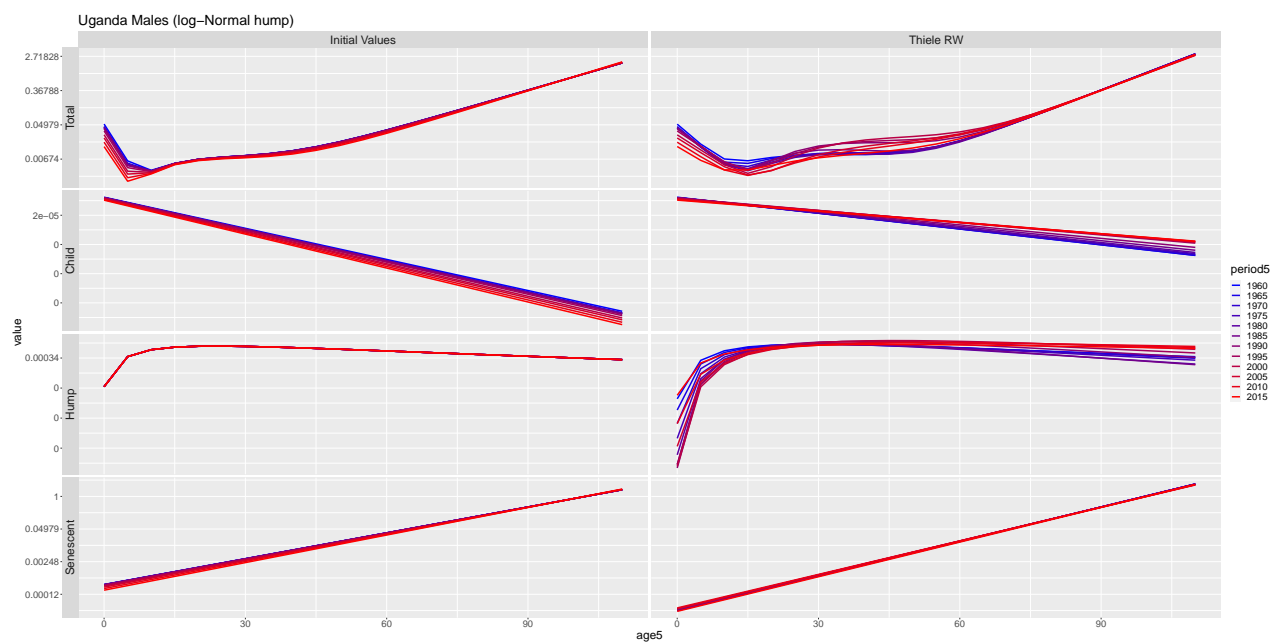


Figure 8: Thiele Decomposed

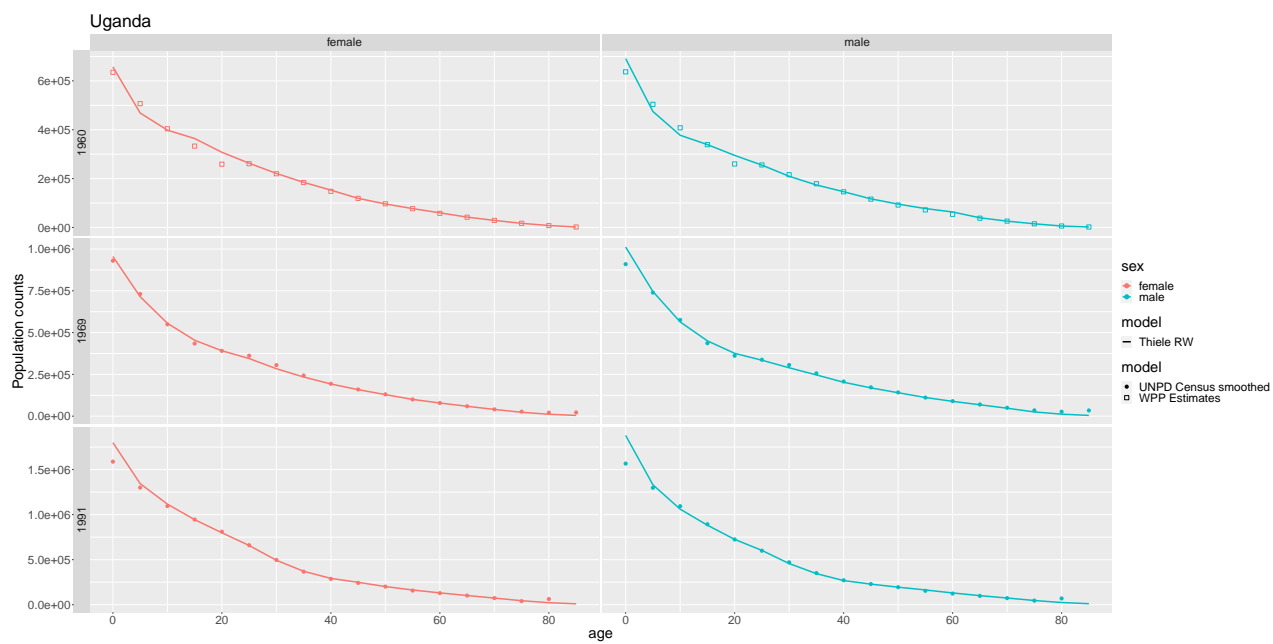


Figure 9: Population

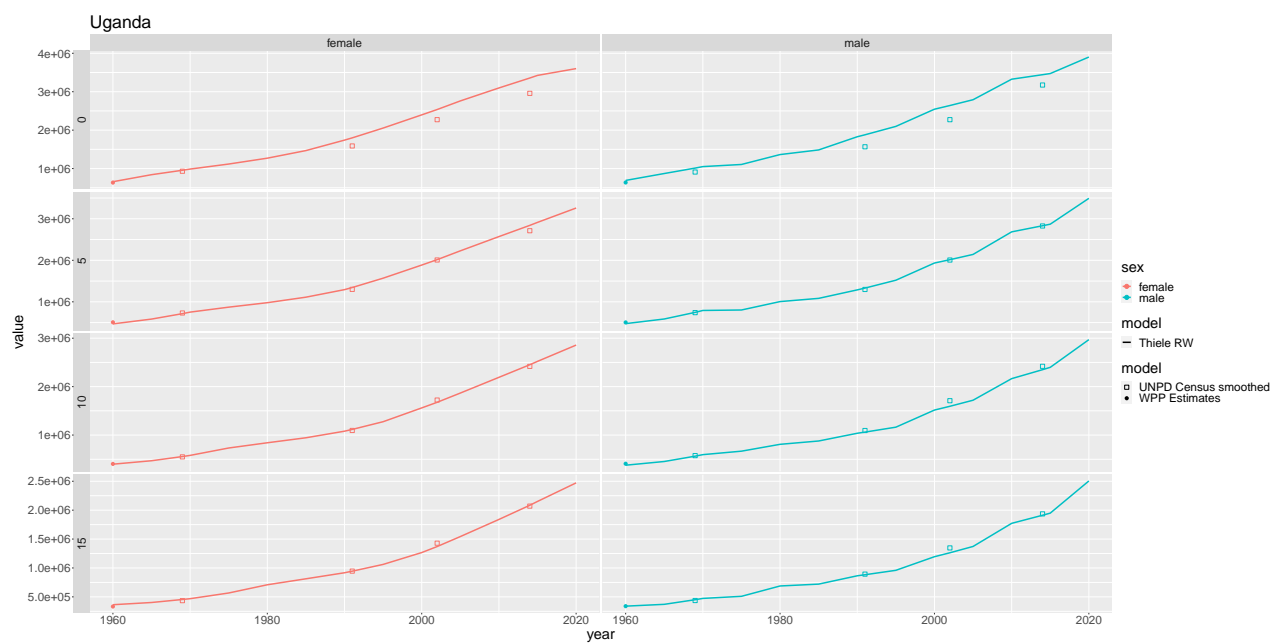


Figure 10: Population

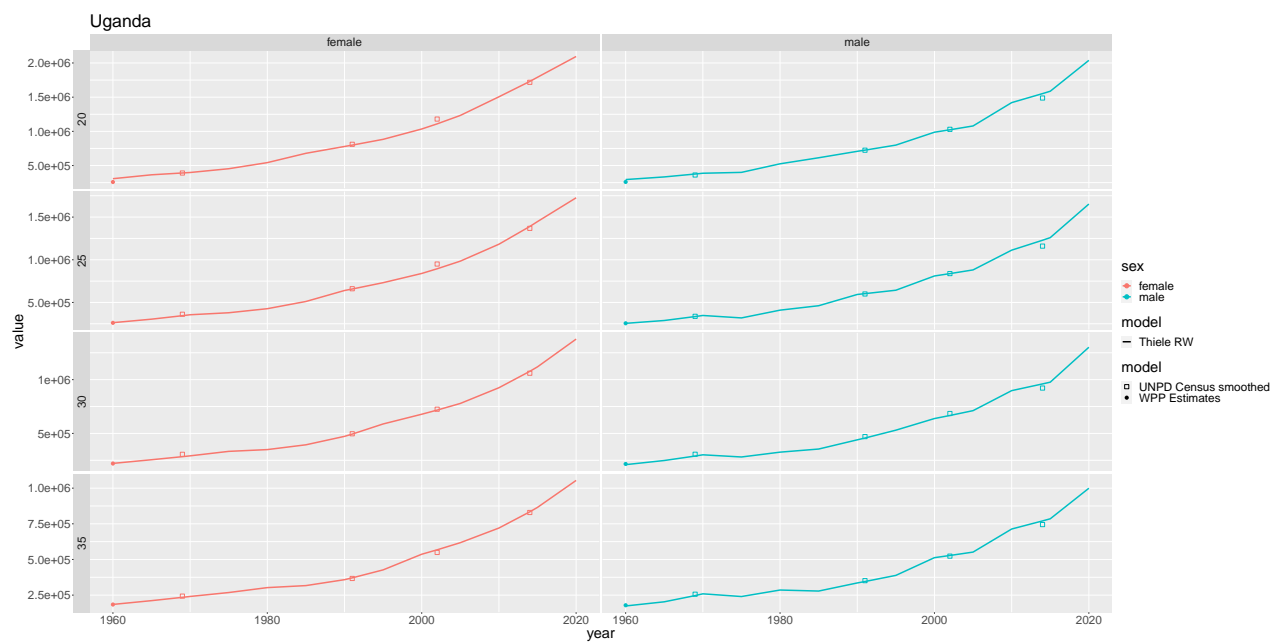


Figure 11: Population

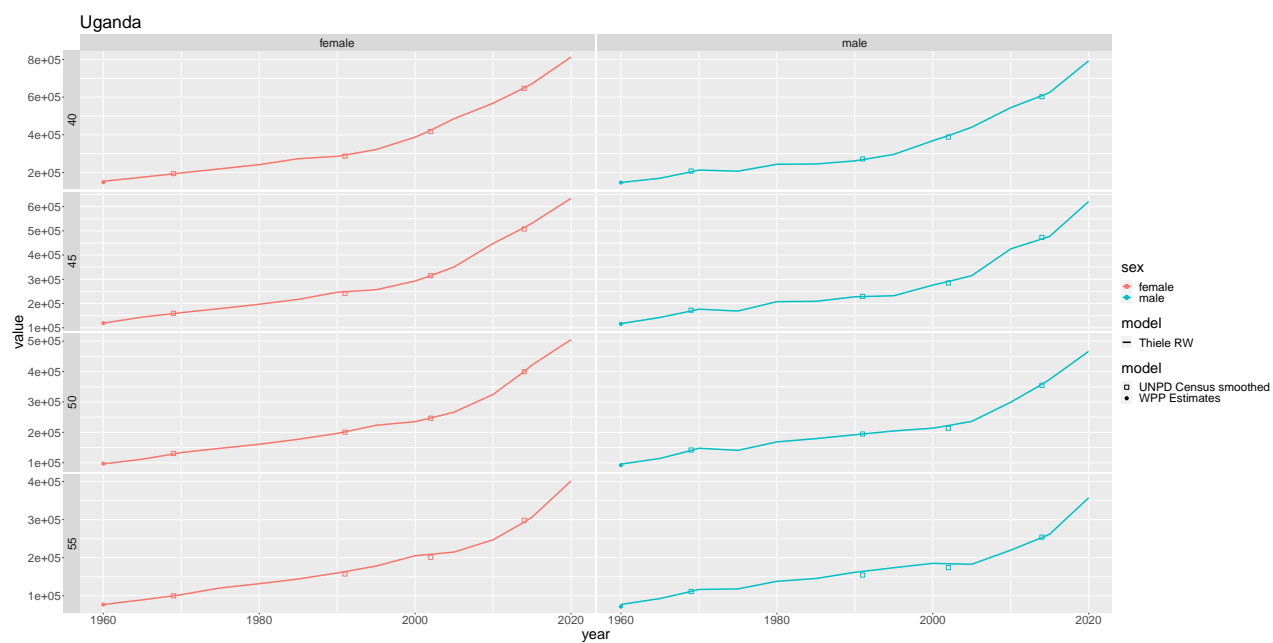


Figure 12: Population

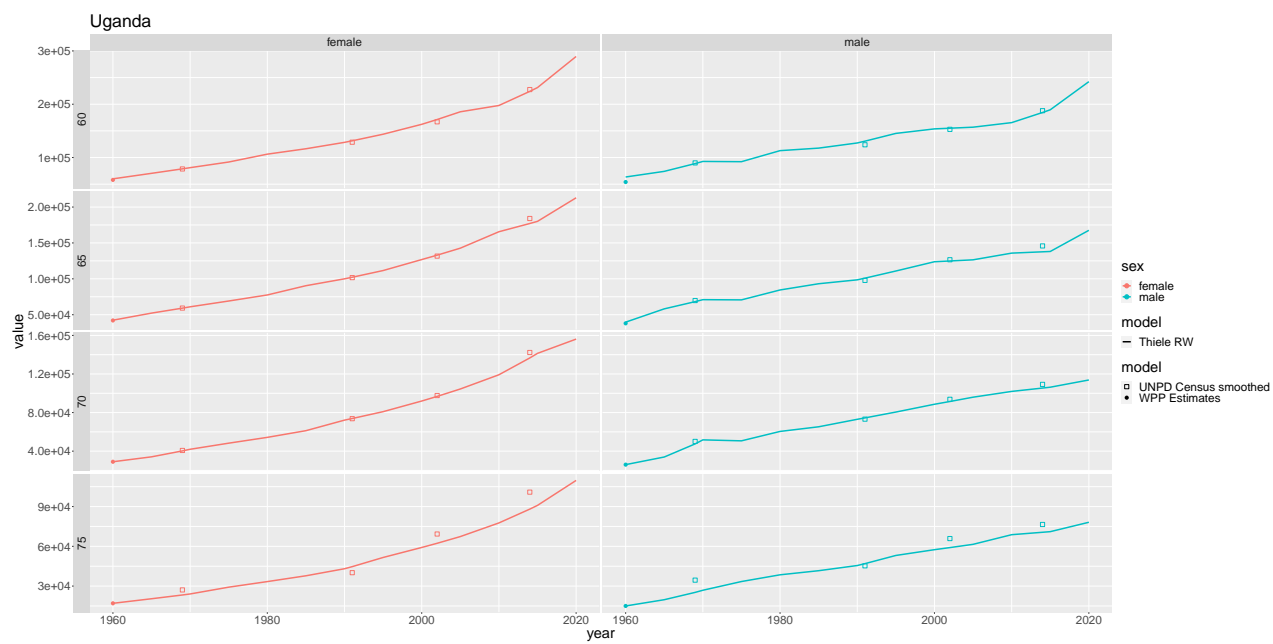


Figure 13: Population

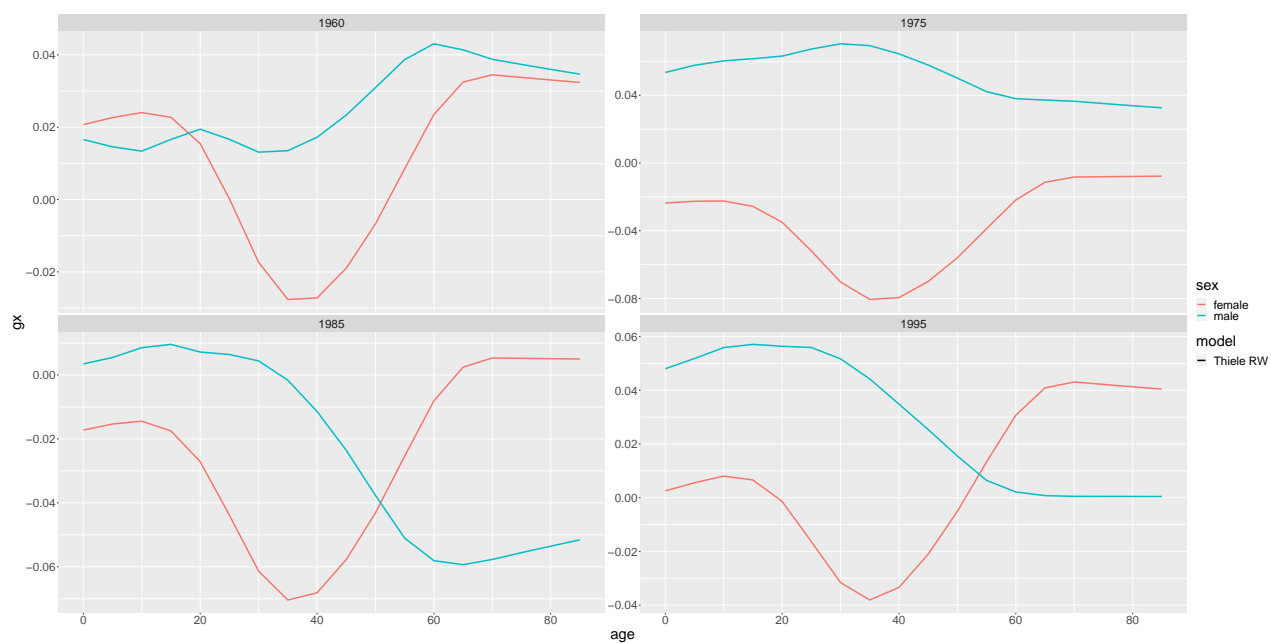


Figure 14: Migration

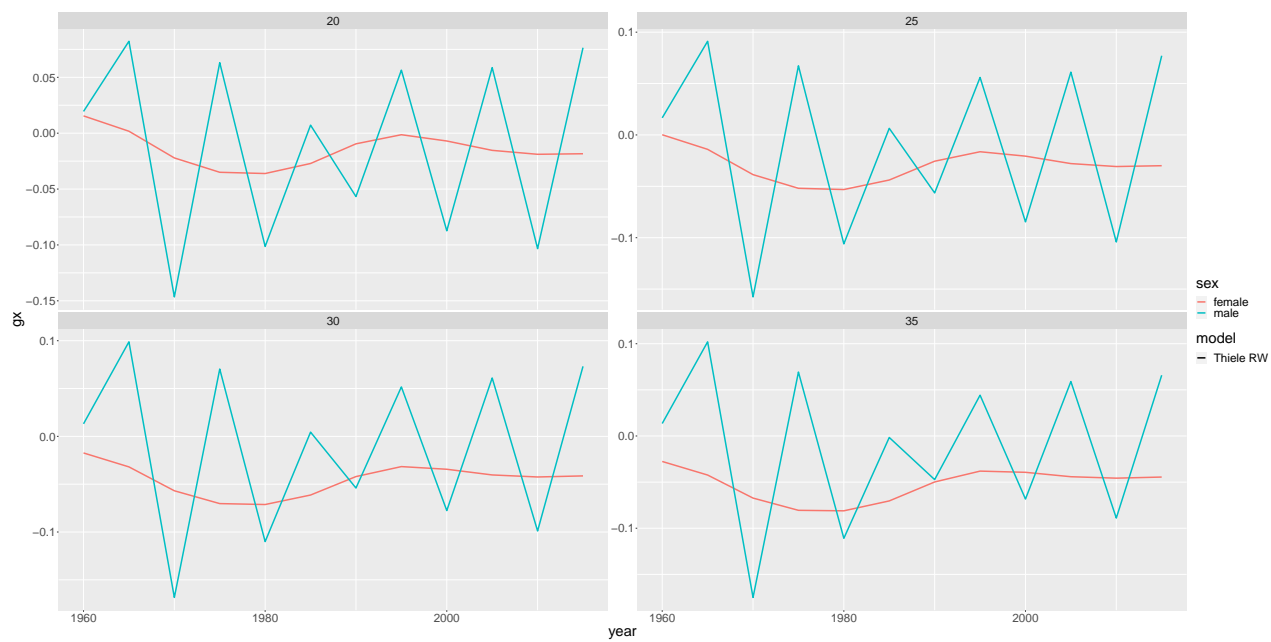


Figure 15: Migration

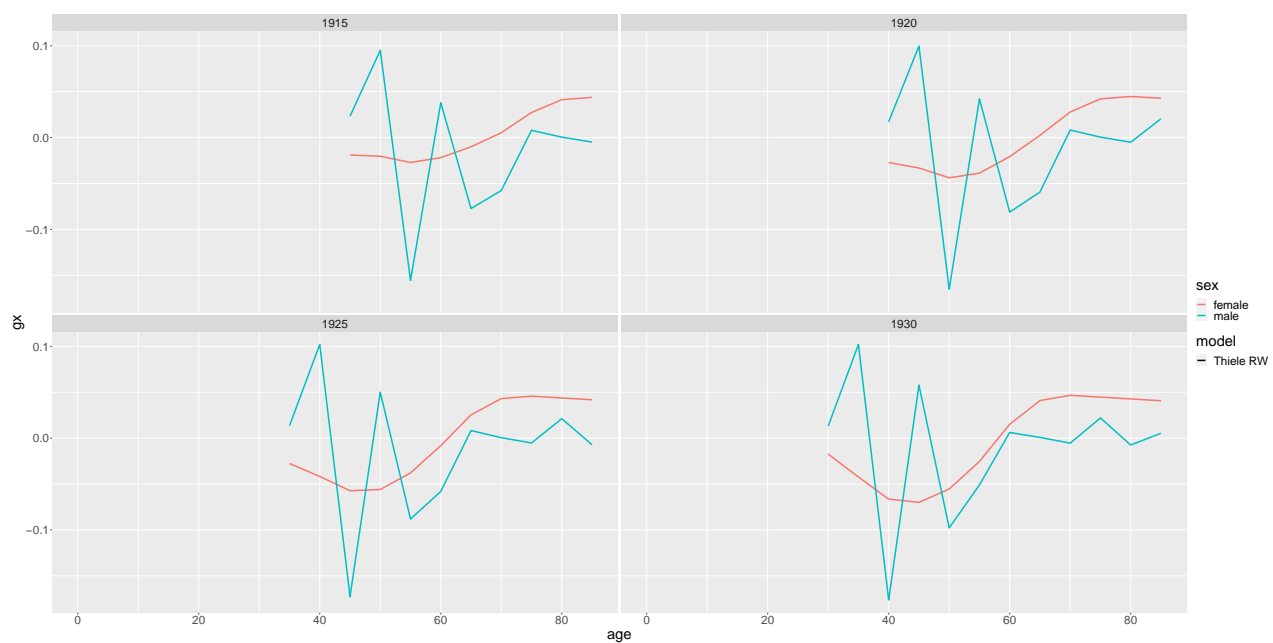


Figure 16: Migration

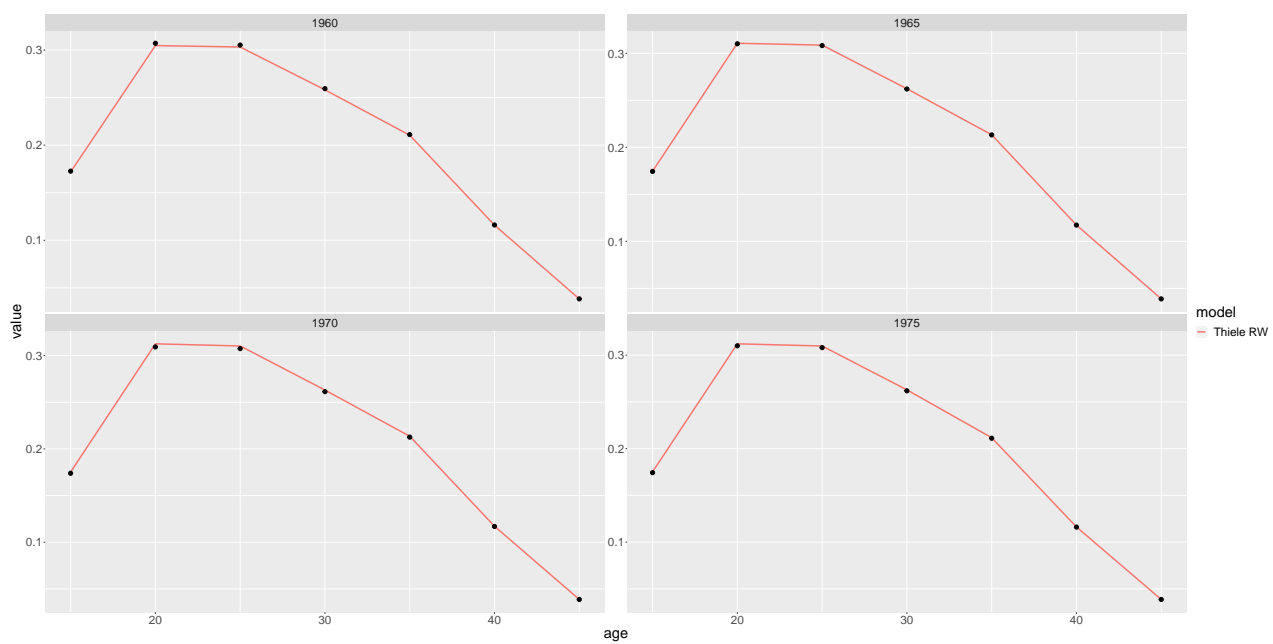


Figure 17: Fertility

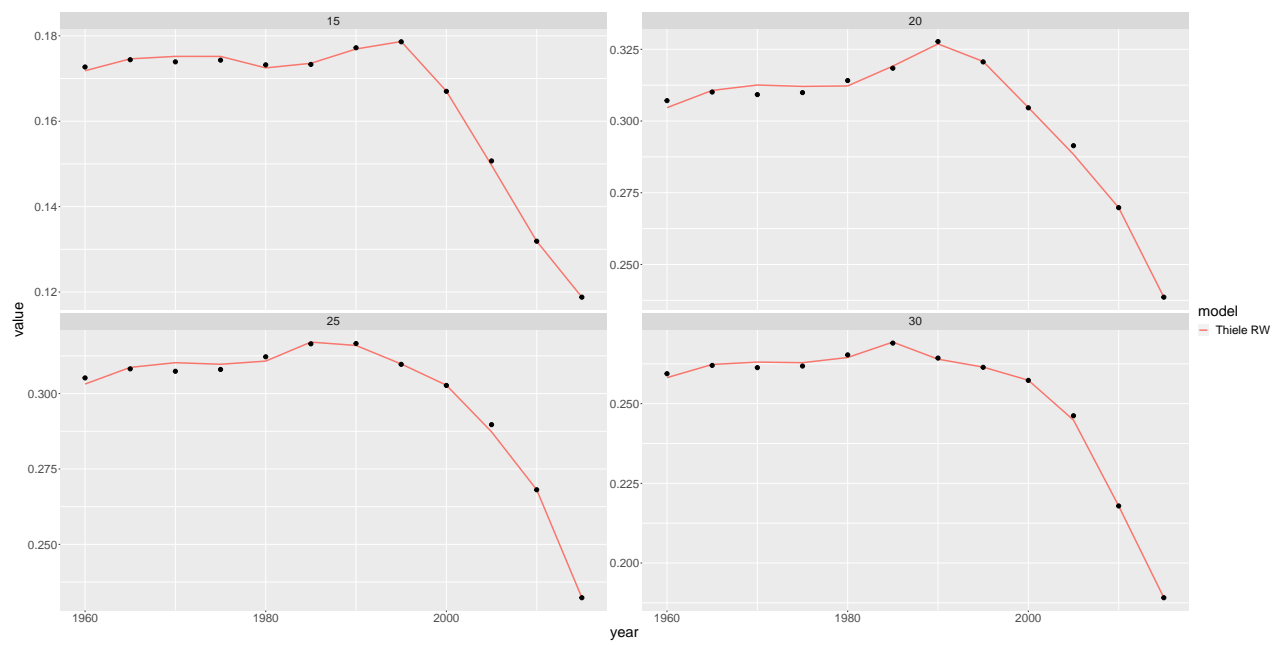


Figure 18: Fertility