

Lesotho

[1] "Census Females"

A tibble: 18 x 7

	aggr.age	`1966`	`1976`	`1986`	`1996`	`2006`	`2016`
*	<dbl>	<dbl>	<dbl>	<dbl>	<dbl>	<dbl>	<dbl>
1	0	61790.	86137.	111810.	102516.	100598	99362
2	5	62869.	80165.	109553.	117963.	105316.	107586.
3	10	55535.	75752.	100753.	123895.	110040.	107761.
4	15	48562.	67350.	87571.	114216.	111254.	103920.
5	20	40932.	55461.	74997.	92603.	102152	99418.
6	25	34107.	44109.	62020.	71754.	82608.	91978.
7	30	28874.	35611.	49448.	59416.	62339	79414.
8	35	25754.	31921.	39635.	50726.	49704	63272.
9	40	23274.	29893.	32901.	41871.	43442.	48964.
10	45	20512.	25268.	29931.	34156.	38776.	40782
11	50	18189.	21805.	27462.	28055.	33541	37417
12	55	16204.	20177.	22000.	24845.	27296.	33785.
13	60	13836.	16357.	18039.	22459.	21883	28252.
14	65	11212.	12186.	16038.	17256.	20130.	22834
15	70	8802.	10347.	12161.	12968.	18733.	18834
16	75	6078.	8706.	8324.	10184.	13276	15850.
17	80	3646.	4372.	5725.	5257.	7928.	11826.
18	85	5207.	4445.	7621.	6397.	7309	10006.

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	aggr.age	`1966`	`1976`	`1986`	`1996`	`2006`	`2016`
*	<dbl>	<dbl>	<dbl>	<dbl>	<dbl>	<dbl>	<dbl>
1	0	60656.	85931.	113851.	104230.	101397	100793
2	5	63464.	80153.	110687.	120469.	106391.	107144.
3	10	50819.	73397.	99977.	125098.	110763.	107981.
4	15	39157.	61668.	82770.	111192.	110441.	104784.
5	20	27256.	50032.	67354.	86836.	99943	99918.
6	25	18271.	41339.	55999.	66645.	81474	94347.
7	30	14614.	34579.	47098.	55028.	62015.	84490
8	35	14565.	31374.	39678.	47007.	47748.	68028.
9	40	14724.	29008.	33697.	40089.	39735.	50500.
10	45	14038.	24309.	30380.	33831.	34131.	38325
11	50	12961.	20635.	26824.	27505.	28693.	31438.
12	55	11384.	18142.	20728.	22931.	22974.	26018.
13	60	9231.	13537.	16158.	18947.	17510.	20652.
14	65	7017.	9024.	13203.	13353.	14210.	15852.
15	70	5115.	6620.	8928.	9035.	11614	11953
16	75	3240.	4774.	5150.	6303.	7321.	8594.
17	80	1778.	1927.	2695.	2627.	3709	5297
18	85	2130.	1854.	3103.	2588.	2608.	3425

Thiele log-Normal Hump RW

	user	system	elapsed
##	37.56	0.61	38.22

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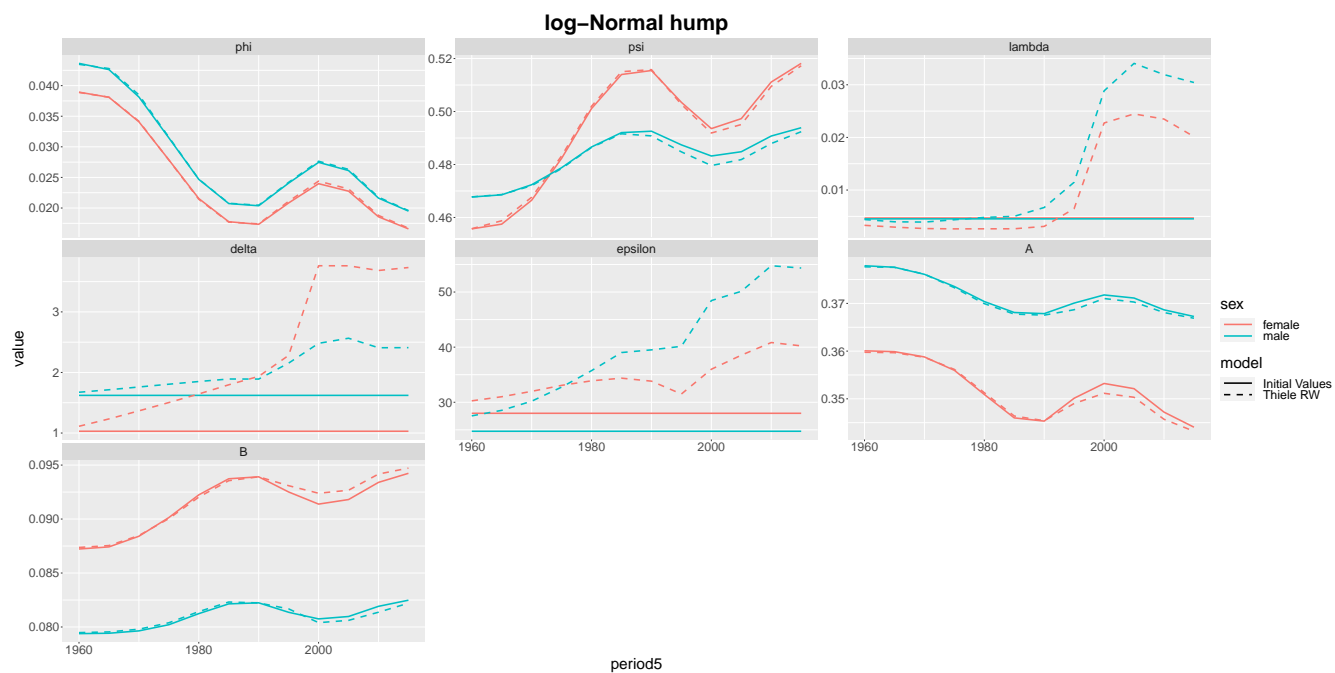


Figure 1: Estimated parameters



Figure 2: Estimated $45q_{15}$

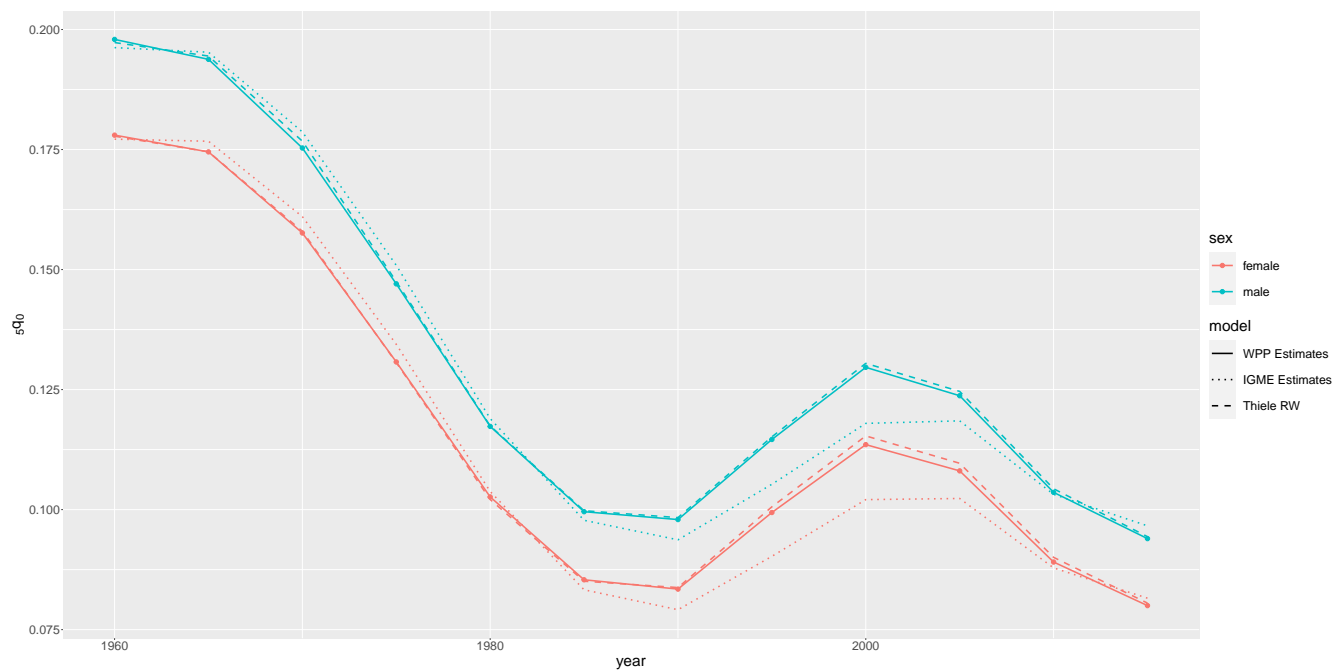


Figure 3: Estimated $5q_0$

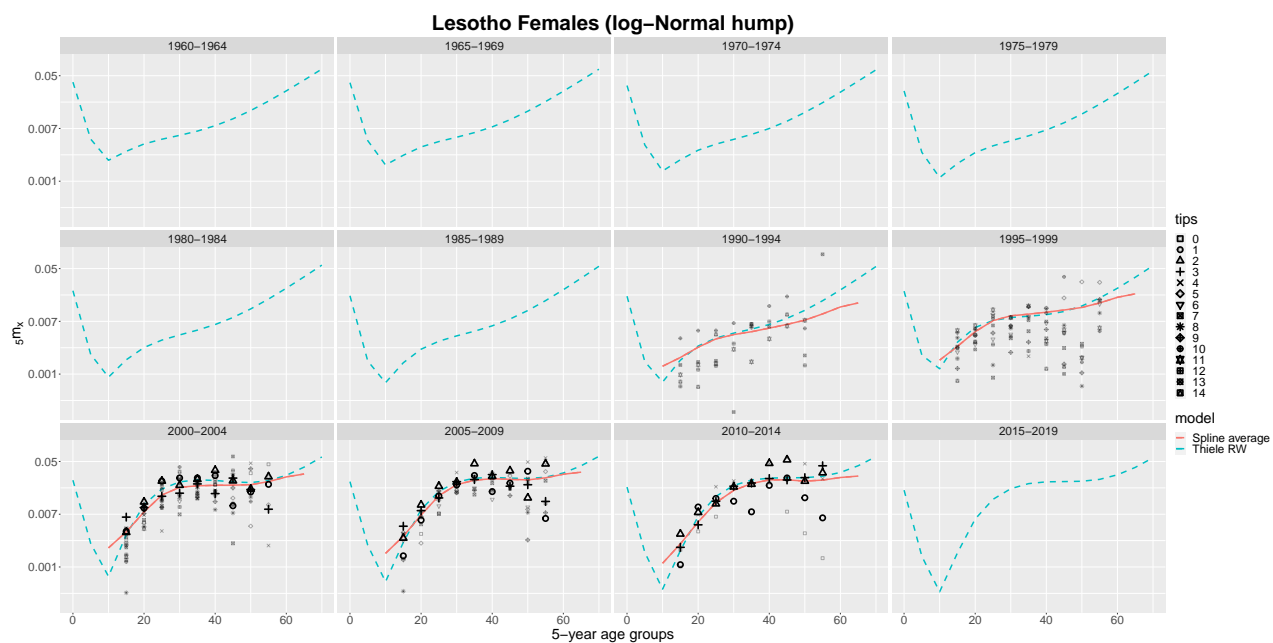


Figure 4: Mortality Schedules

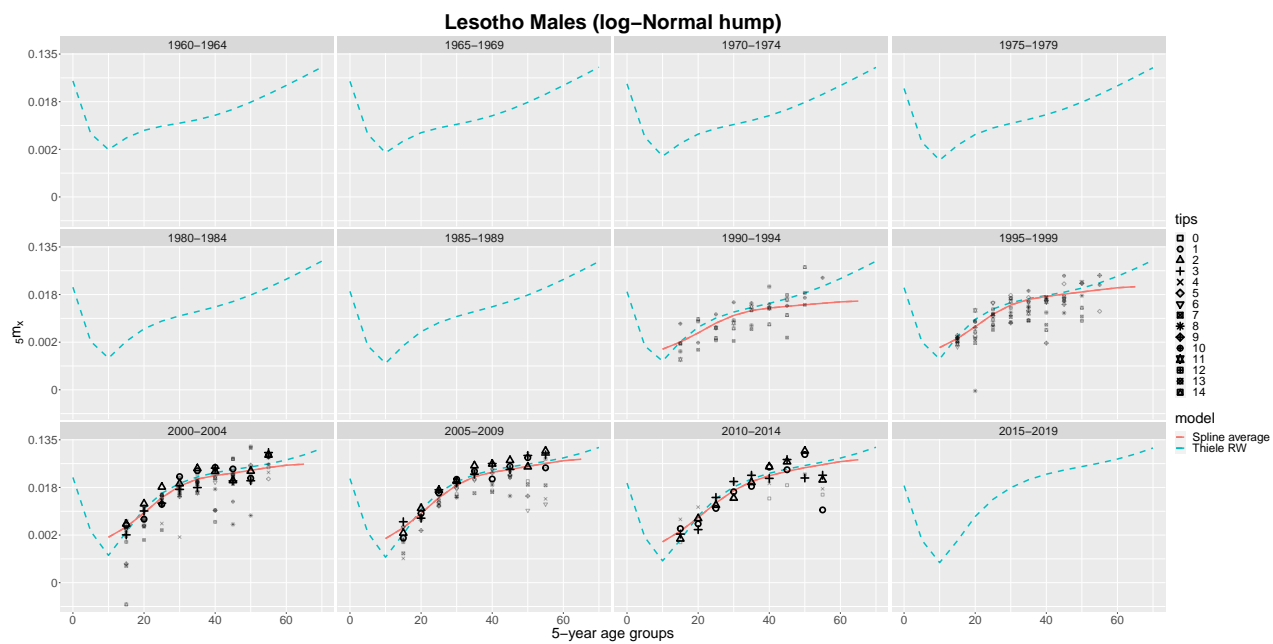


Figure 5: Mortality Schedules

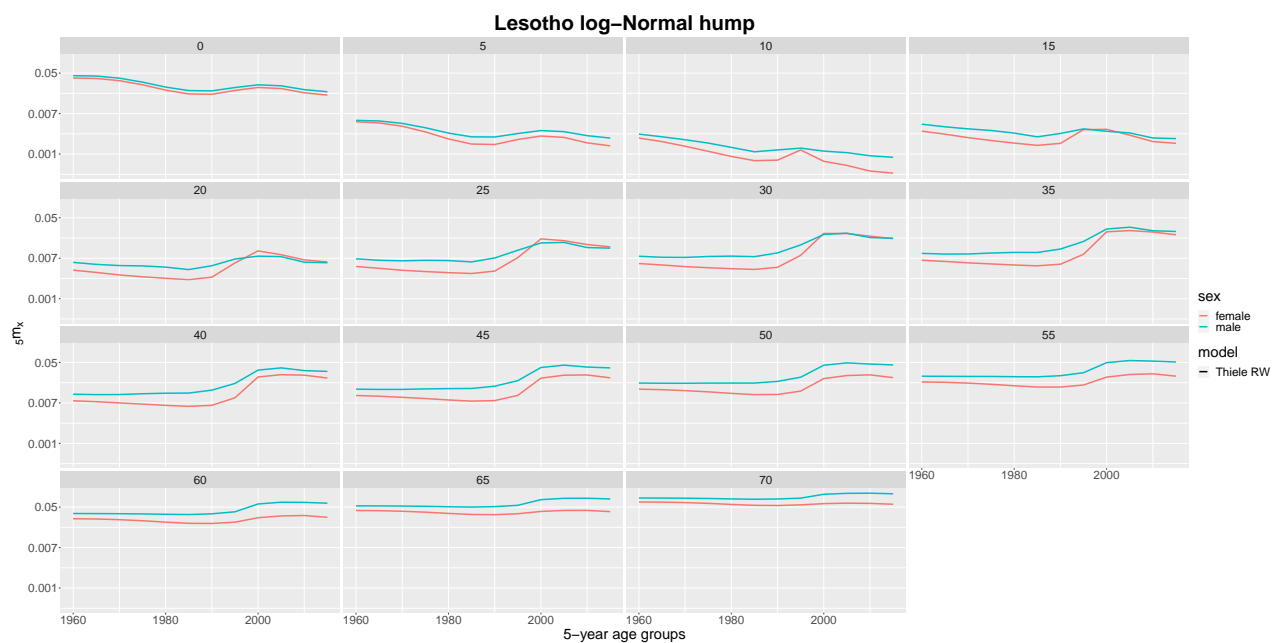


Figure 6: Mortality Schedules

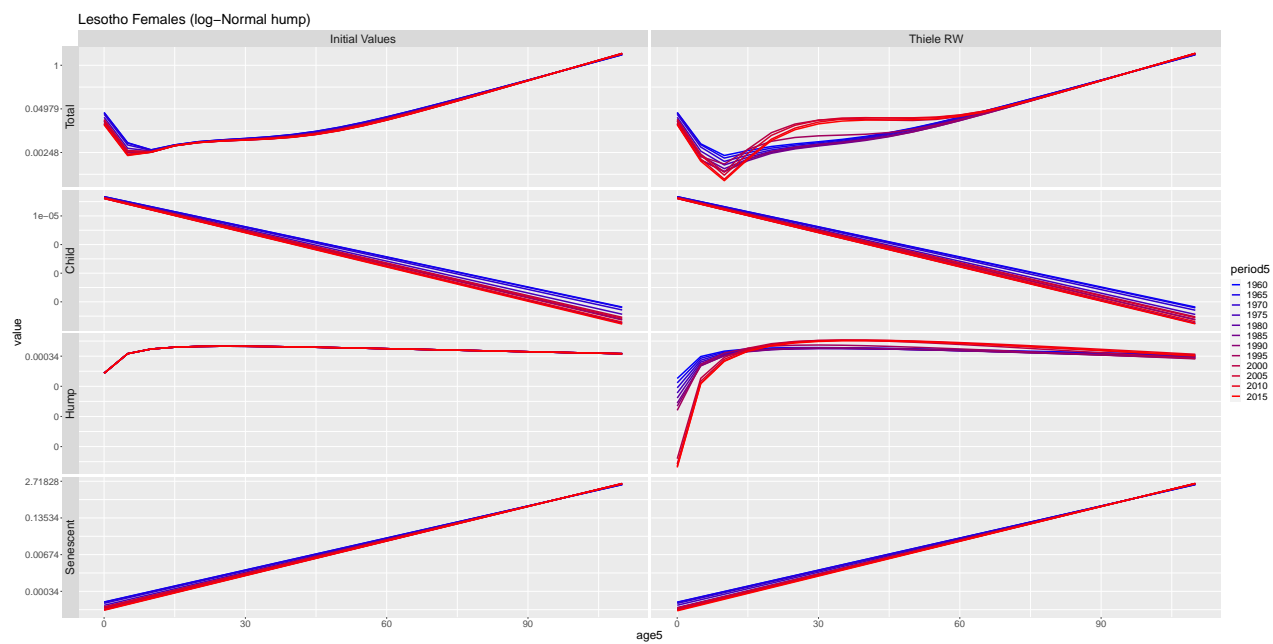


Figure 7: Thiele Decomposed

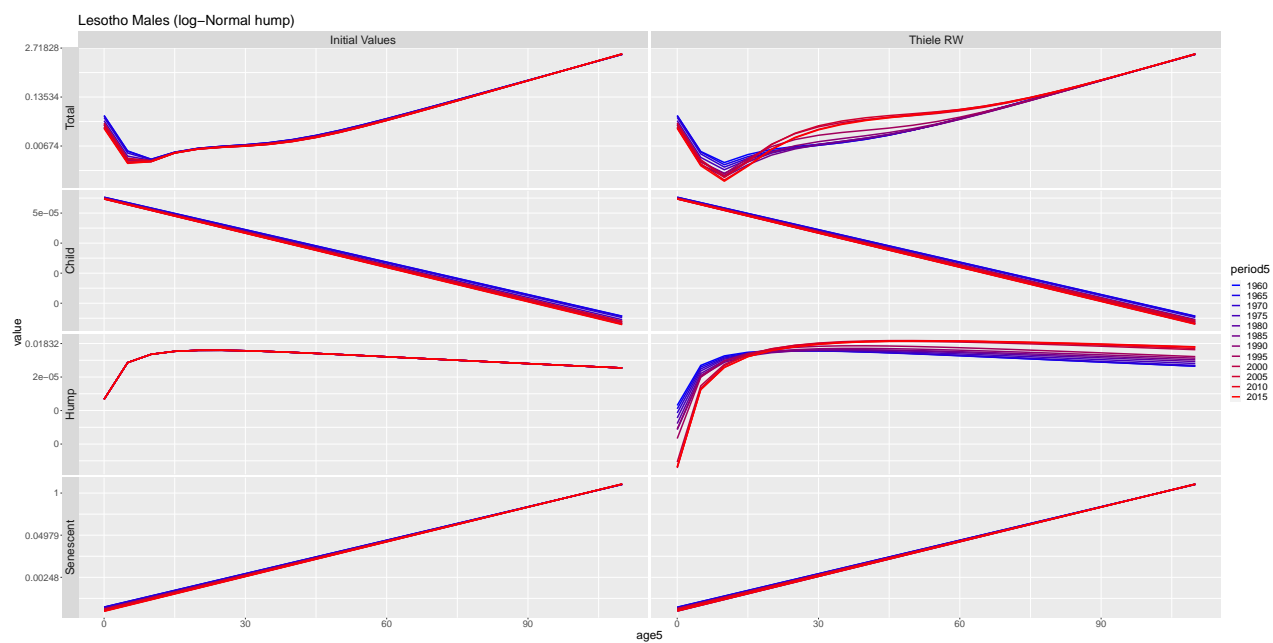


Figure 8: Thiele Decomposed

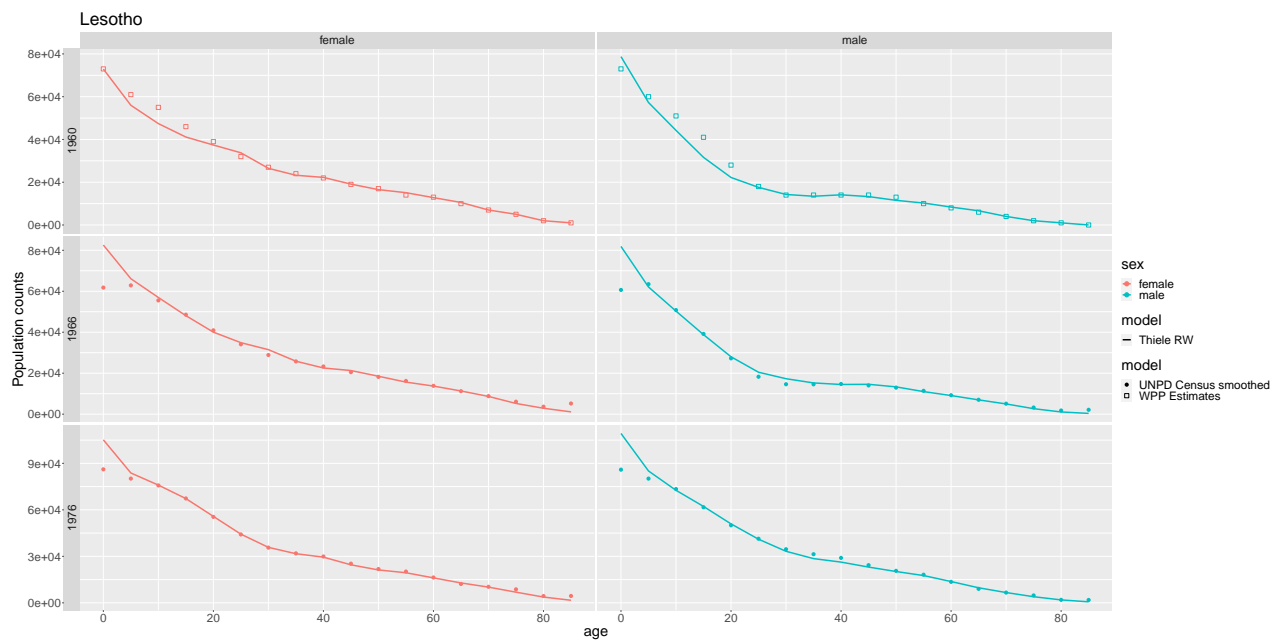


Figure 9: Population

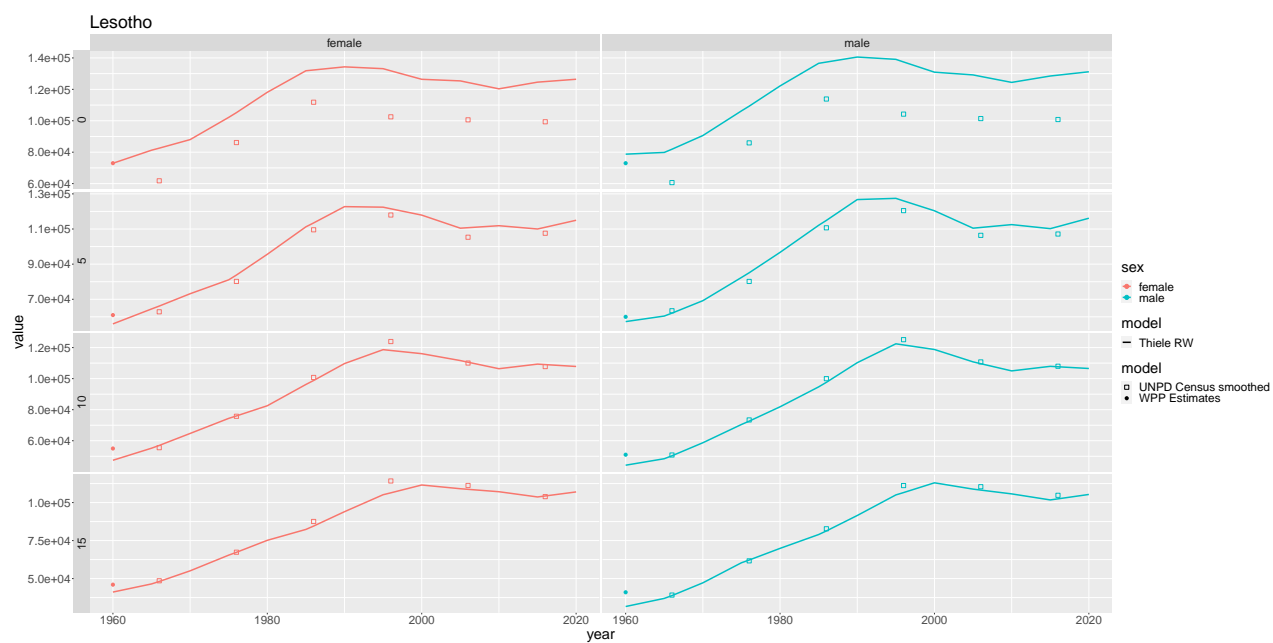


Figure 10: Population

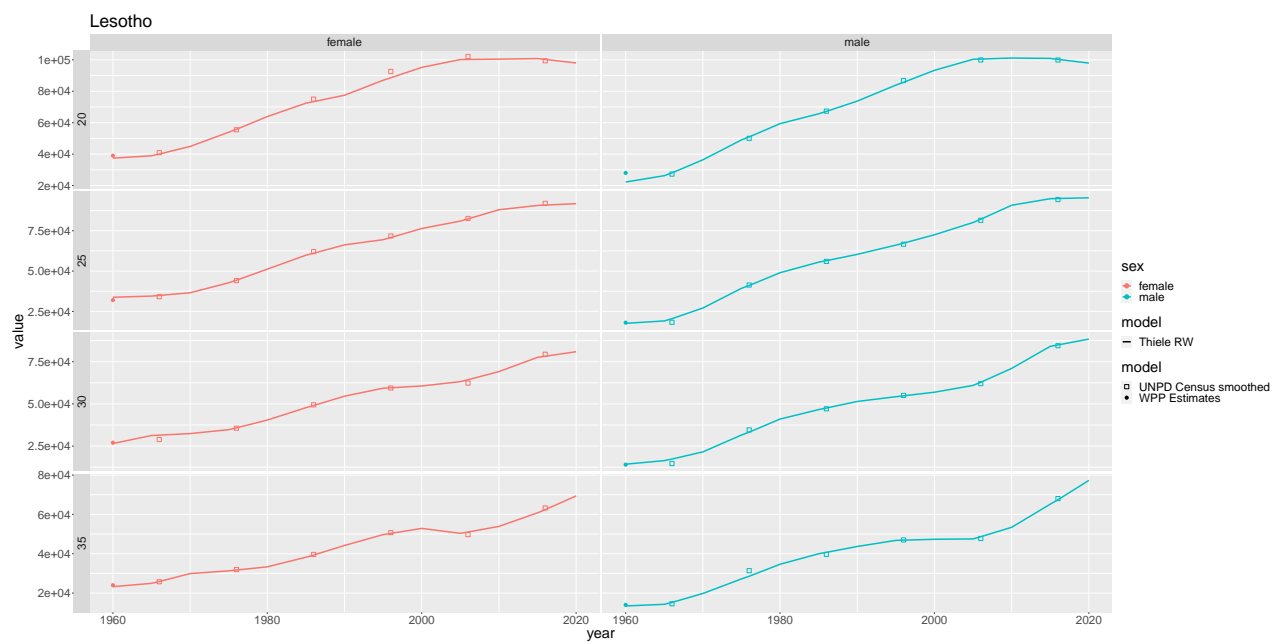


Figure 11: Population

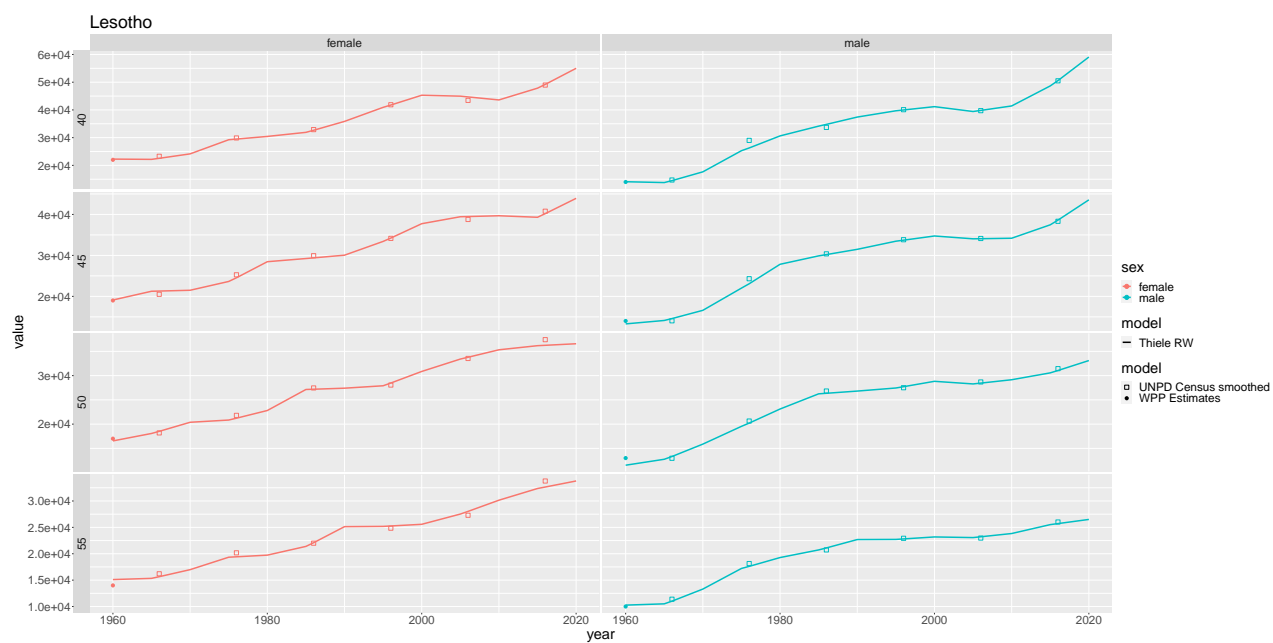


Figure 12: Population



Figure 13: Population

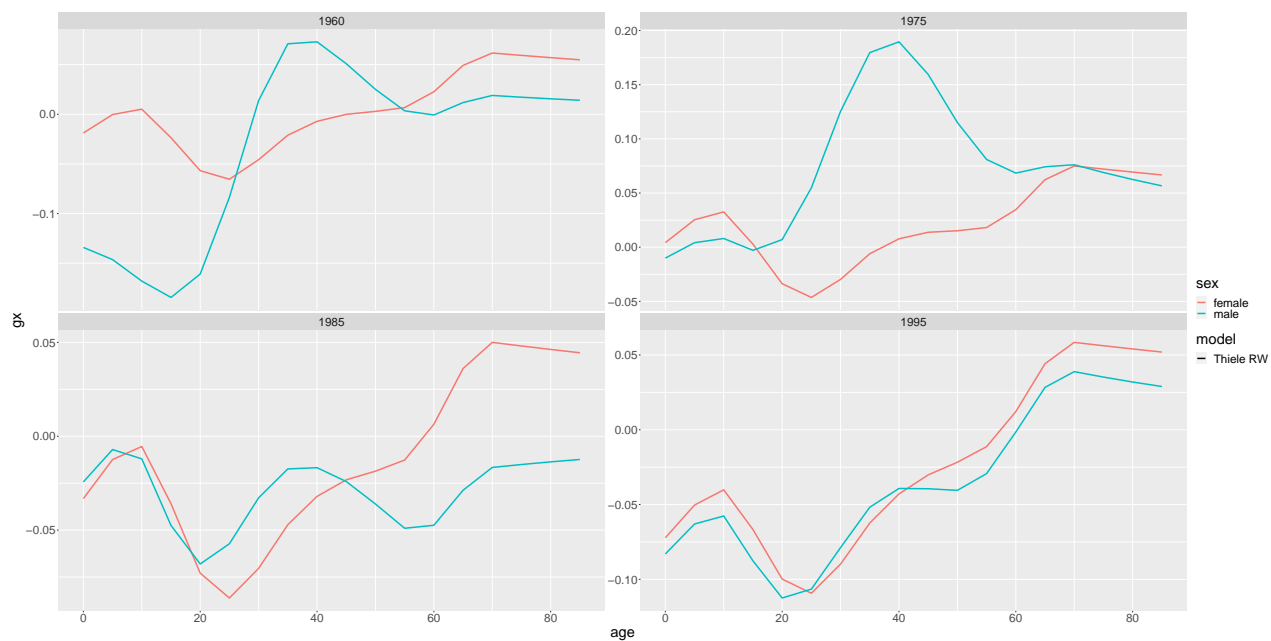


Figure 14: Migration

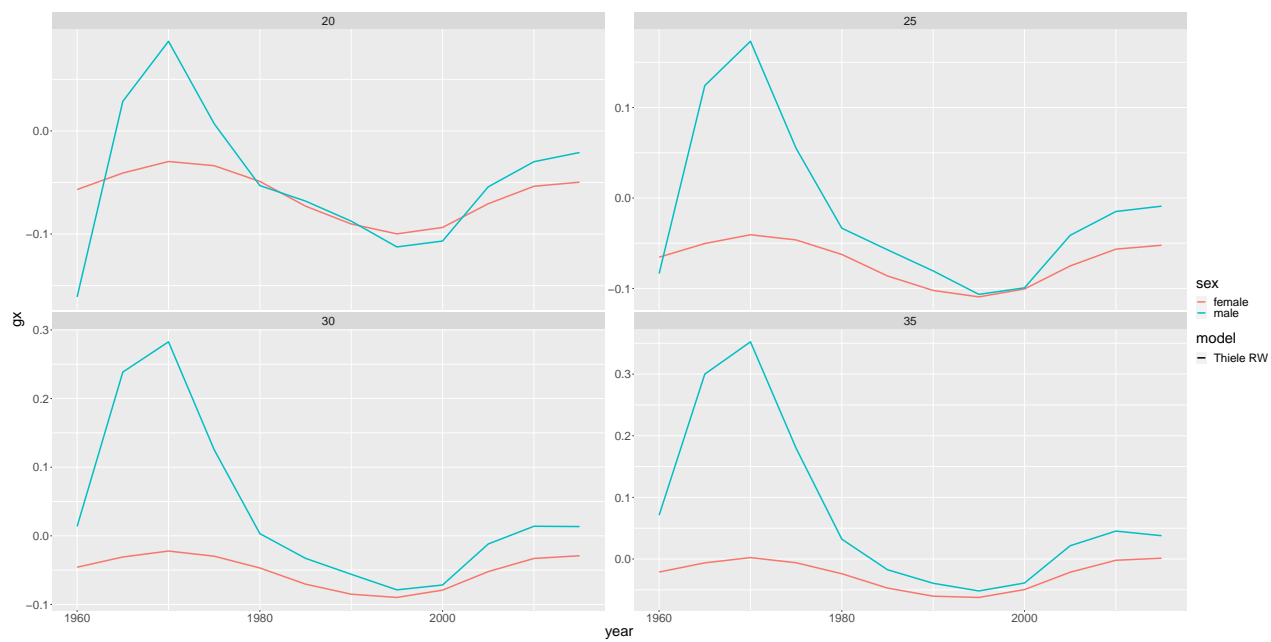


Figure 15: Migration

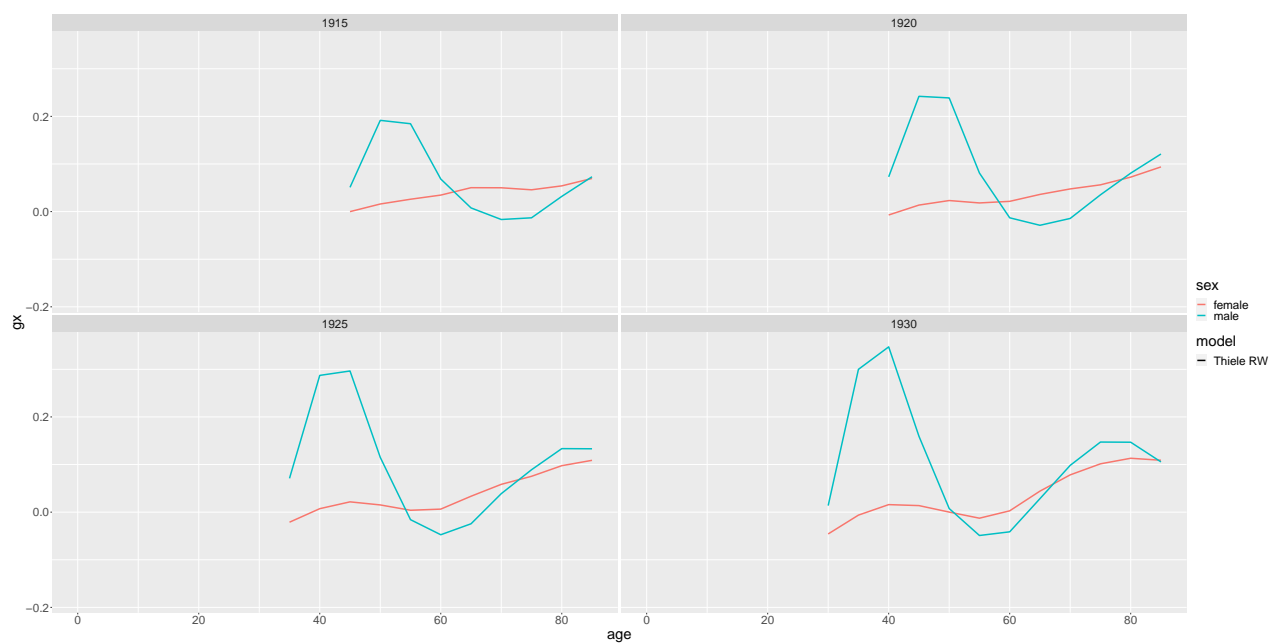


Figure 16: Migration

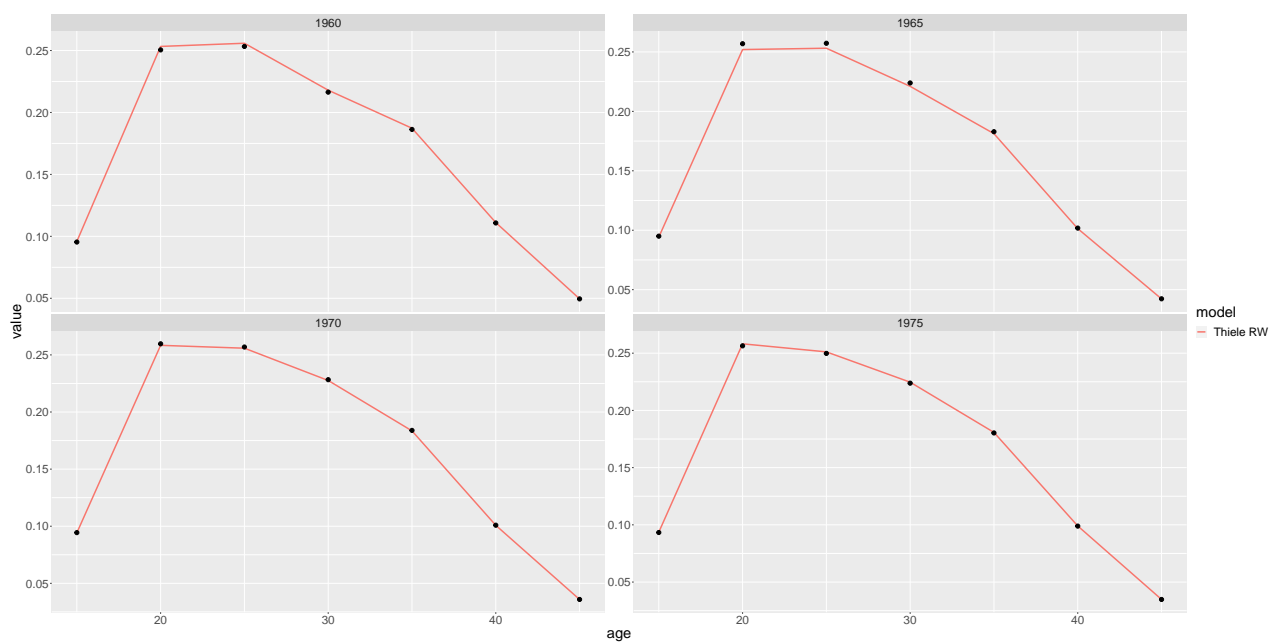


Figure 17: Fertility

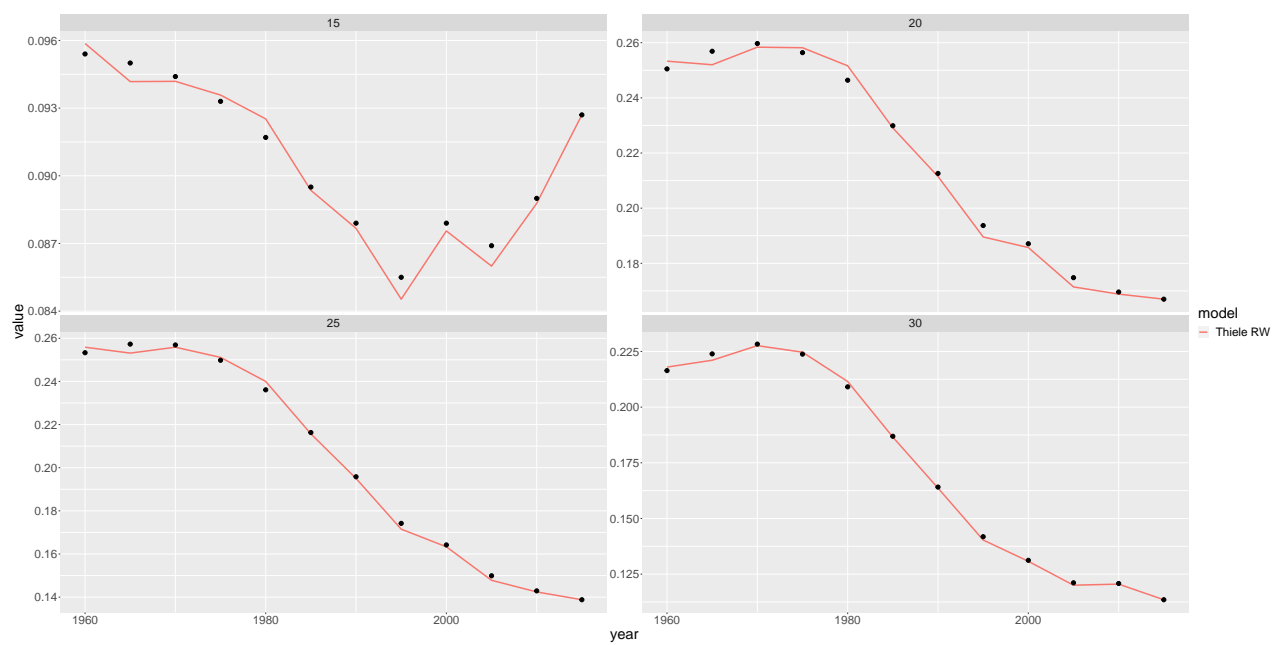


Figure 18: Fertility