

Lifetable Korea

coop711

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`r Sys.Date()
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Lifetable from 1970 to 2013 in Korea

Data

From National Statistics Office, download excel format data, and manipulate it for a long time. 5 year interval, but enough to check the changes

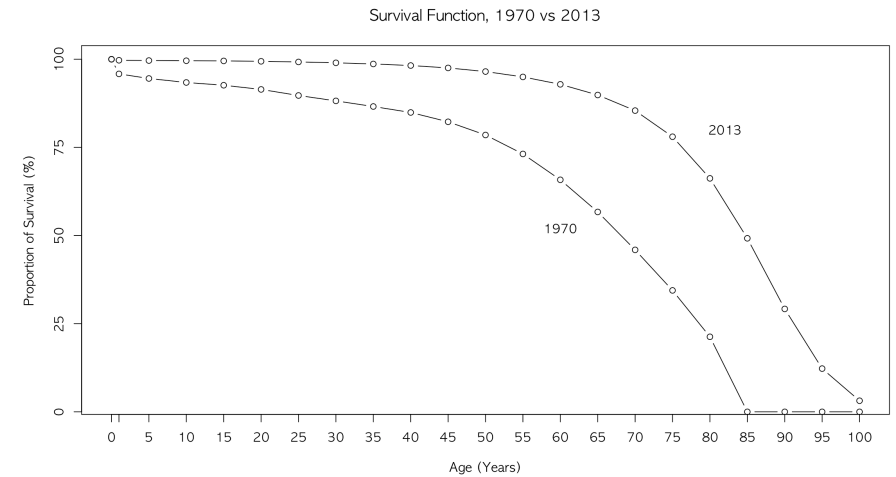
	B	C	D	E	F	G	H
연령별	1970			1971			1972
생존자(전체) (명)	생존자(남자) (명)	생존자(여자) (명)	생존자(전체) (명)	생존자(남자) (명)	생존자(여자) (명)	생존자(전체) (명)	생존자(전체) (명)
0	100000	100000	100000	100000	100000	100000	100000
1	95848	95811	95894	95962	95925	96007	96072
5	94546	94493	94610	94694	94641	94757	94838
10	93413	93303	93539	93626	93517	93749	93831
15	92625	92465	92803	92876	92720	93049	93117
20	91441	91140	91768	91741	91443	92066	92029
25	89722	89355	90104	90128	89739	90540	90516
30	88194	87860	88516	88656	88273	89050	89099
35	86596	86156	87011	87102	86597	87611	87589
40	84906	84296	85469	85406	84699	86106	85886
45	82264	80986	83376	82792	81407	84077	83301
50	78518	76072	79079	78715	76517	81463	79620
55	73142	69087	77173	73763	69568	77967	74366
60	65810	59318	72408	66529	59927	73272	67231
65	56696	47702	66047	57447	48340	66949	58185
70	45939	34535	57869	46639	35130	58721	47329
75	34437	22684	47249	34976	23047	47984	35507
80	21282	11356	32956	21695	11529	33575	22105
85	0	0	0	0	0	0	0
90	0	0	0	0	0	0	0
95	0	0	0	0	0	0	0
100	0	0	0	0	0	0	0

Gender with Year

First 10	Last 10
A1970	F2010
M1970	A2011
F1970	M2011
A1971	F2011
M1971	A2012
F1971	M2012
A1972	F2012
M1972	A2013
F1972	M2013
A1973	F2013

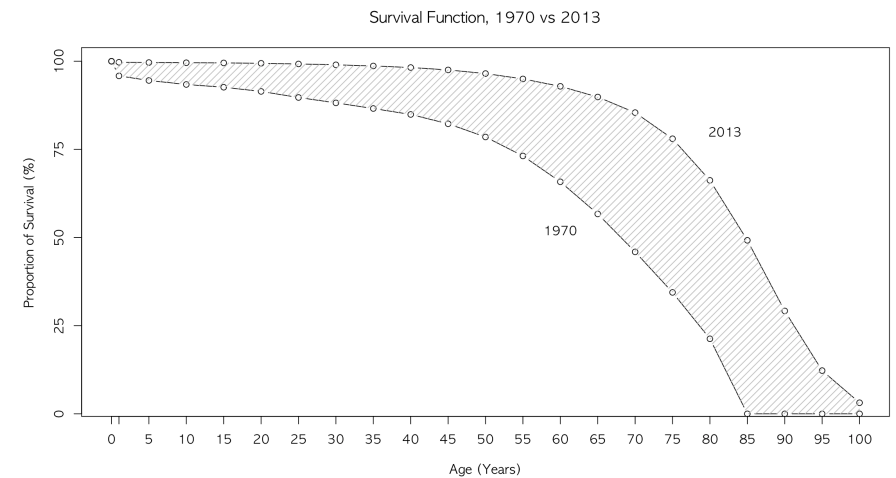
Plot

Compare the survival function plots of 1970 and 2013



Difference of life expectancies

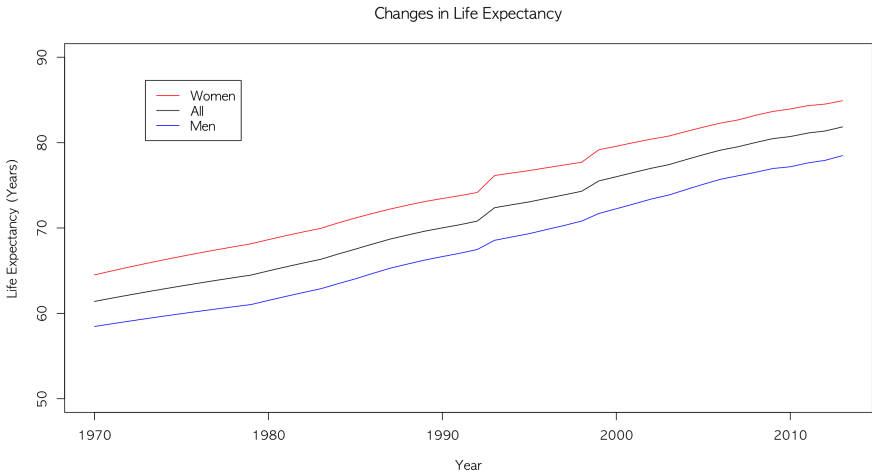
Use shading to specify the difference



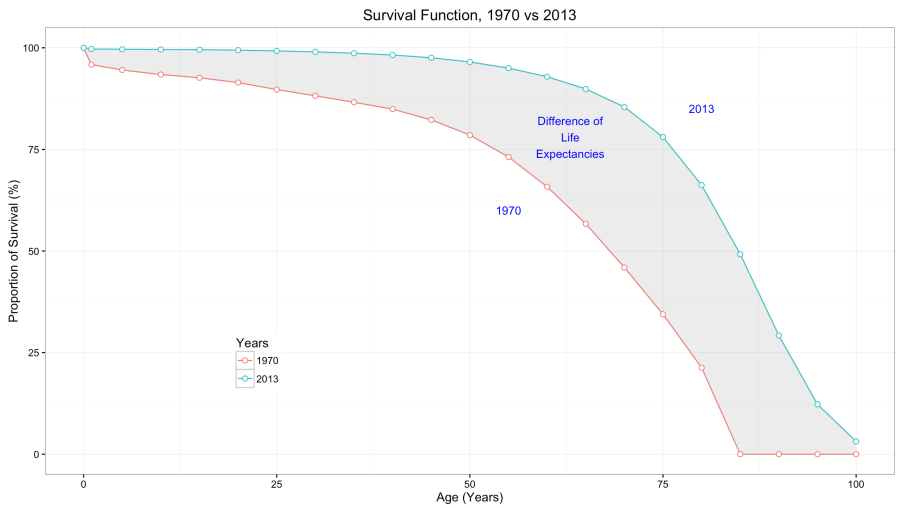
The area of the shaded region is 20.4 (years).

Changes in Life Expectancies by Gender

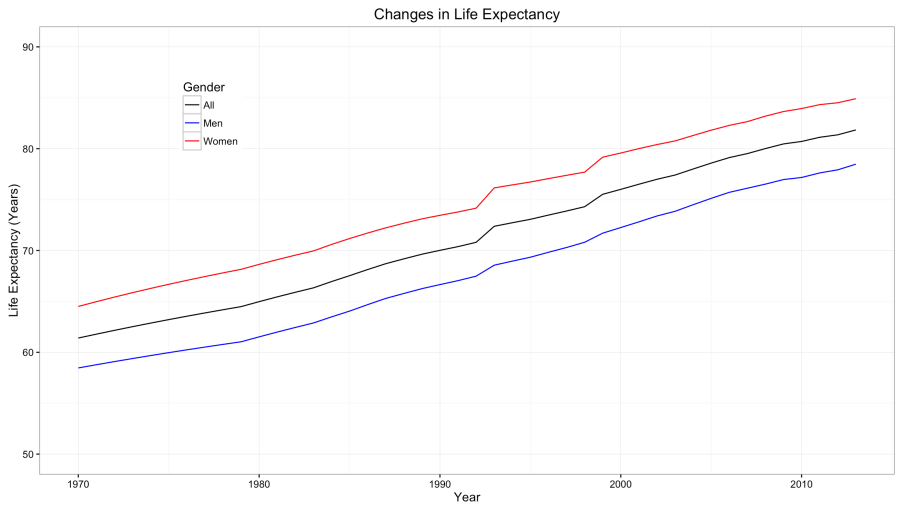
plots



Polygon



Changes with respect to gender



ggplot

Plot

