Chapter 10. Life Tables

10.1   An abridged life table is given in Table 10.1 and shows the further expectation of life at different stages of life, based on the mortality experience of 1962. At each age point the expectation of life is the average future life a person of that age would have if the 1962 mortality rates were to operate throughout the lifetime.

10.2   Table 10.2 shows how the expectation of life has increased at different ages during the past century.

Table 10.1   Abridged Life Table, 1962—Scotland

Age x	Males		Females	
	l_x	$\overset{\circ}{e}_x$	l_x	$\overset{\circ}{e}_x$
0	10,000	66·10	10,000	72·01
1	9,689	67·21	9,782	72·61
2	9,669	66·35	9,763	71·75
3	9,659	65·42	9,756	70·80
4	9,652	64·47	9,748	69·86
5	9,647	63·50	9,742	68·90
10	9,621	58·66	9,724	64·03
15	9,595	53·82	9,709	59·12
20	9,557	49·02	9,692	54·22
25	9,505	44·27	9,666	49·36
30	9,445	39·54	9,633	44·52
35	9,379	34·80	9,583	39·74
40	9,256	30·23	9,503	35·05
45	9,076	25·78	9,370	30·51
50	8,793	21·53	9,169	26·13
55	8,287	17·69	8,884	21·89
60	7,482	14·33	8,442	17·90
65	6,384	11·36	7,765	14·24
70	4,976	8·87	6,763	10·98
75	3,389	6·85	5,379	8·17
80	1,932	5·13	3,584	6·01
85	784	3·97	1,855	4·27

This abridged life table is constructed from the estimated population in 1962 and the total deaths registered in that year.

The column headed l_x shows the numbers who would survive to exact age x out of 10,000 born who were subject throughout their lives to the death probabilities indicated by the death records for 1962. Column $\overset{\circ}{e}_x$ is the "expectation of life", that is, the average future lifetime which would be lived by a person aged exactly x, if likewise subject to these death probabilities.