

Cambridge University Press

978-1-107-40686-5 - Resources ANI Population: A Study of the Gurungs of Nepal

Alan Macfarlane

Table of Contents

[More information](#)

Contents

<i>List of tables</i>	viii
<i>List of figures</i>	xi
<i>Preface and acknowledgements</i>	xiv
<i>Abbreviations and conventions</i>	xvii
<i>Weights, measures, and conversion factors</i>	xviii
1 Demography and anthropology	I
2 The Gurungs of Nepal	10
I. RESOURCES	
3 Long-term change in the Gurung economy	25
4 Forest and land resources	35
5 Changes in the distribution of arable land	50
6 Capital assets excluding land and forest	88
7 The application of capital; input–output data	126
8 Income, consumption and expenditure	153
9 Surpluses, deficits and the accumulation of capital	187
II. POPULATION	
10 Population growth in Nepal	203
11 Social structure and fertility I: intercourse variables	214
12 Social structure and fertility II: conception and gestation variables	236
13 The demographic consequences of social structure: fertility statistics	248
14 Social structure and mortality	265
15 The age and sex structure of the Gurung population	281
16 Resources and population: some general models	292
<i>Appendices</i>	
1 Census schedule utilized	313
2 Production and consumption units per household	315
3 Growth in the number of houses in Thak and Mohōriya	318
4 Population and the price of land and other goods	326
5 Household and family structure among the Gurungs	330
6 Marriage, inheritance and death of parents in Thak	334
7 Estimates of relative wealth by three Gurungs	336
<i>Notes</i>	338
<i>Select Bibliography</i>	354
<i>Index</i>	359

Tables and figures

TABLES

1.1	Doubling times	1
2.1	Ethnic and occupational groups in Thak <i>panchayat</i> , 1968–9	14
2.2	Ethnic groups in the sample census area, 1969	15
2.3	Structure of households in two Gurung villages	17
4.1	Population density in Thak and other selected societies	39
4.2	Area of land used for various purposes, Thak 1969	41
4.3	Man/land ratios in various groups	42
4.4	Consumption of wood by 100 Thak households	43
4.5	Amount of fodder consumed by livestock, Thak, 1969	45
4.6	Arable land used by 100 households, Thak, 1969	47
4.7	Total production of main cereal crops, Thak, 1969	47
4.8	Total of cash invested in arable land	49
5.1	Comparison of the size of certain holdings, as shown in tiriges and land reform survey (rice)	51
5.2	Distribution of rice and maize land, Thak sample households	59
5.3	Distribution of holdings of various sizes	59
5.4	Thak compared to areas in the Western Hills	59
5.5	Divisions of Kesara's holding between heirs (rice)	64
5.6	Bohansing's estate-building	65
5.7	Amount of land and number of households, <i>kebye 2</i>	66
6.1	Total livestock owned by 100 households, Thak, 1969	89
6.2	Various estimates of price of adult livestock	89
6.3	Total livestock values, Thak, 1969	89
6.4	Total livestock per household, various groups in Thak, 1969	90
6.5	Total livestock, Thak and Mohoriya	90
6.6	Agricultural equipment owned by five households, Thak, 1969	92
6.7	Amount of capital invested in agriculture, five households, Thak, 1969	95
6.8	Clothing of five households in Thak, 1969	100
6.9	Household goods in five families, Thak, 1969	103
6.10	Gold to be given as marriage portions	106
6.11	Ornaments and jewelry in five households, Thak, 1969	107
6.12	Total capital in five households, Thak, 1969	109
6.13	Wealth distribution of 100 households	110
6.14	Work capacity at various ages, males and females	114
6.15	Various estimates of work capacity, arrived at by using various methods	114

Cambridge University Press

978-1-107-40686-5 - Resources ANI Population: A Study of the Gurungs of Nepal

Alan Macfarlane

Table of Contents

[More information](#)*Tables*

6.16	Those with reduced work capacity in Thak	118
6.17	Distribution of production units in Thak, by age and caste	119
6.18	Distribution of total production units; 100 households	120
6.19	Distribution of production units of those working in the village	120
6.20	Capital per production unit in five households	124
6.21	Total capital reserves for 100 sample households, 1969	124
7.1	Physical input–output of main cereal crops	128
7.2	Labour needed per unit of land: Thak and Nepal compared	130
7.3	Animal power needed per unit of land: Thak and Nepal compared	130
7.4	Yield of husked grain per man-day of labour: two Thak informants	131
7.5	Cultivation of <i>masa/masyan</i>	132
7.6	Cultivation of <i>kwoia</i>	132
7.7	Cultivation of <i>toro</i>	133
7.8	Cultivation of <i>toyo</i>	133
7.9	Bamboo-work in two Gurung households	137
7.10	Making a <i>renga</i>	139
7.11	Total man-days spent on various tasks, 100 households	142
7.12	Demand and supply of labour in five sample households	146
7.13	Surplus and deficit of labour, May–July	147
7.14	Work undertaken in household 12A, 5 April–3 July 1969	148
7.15	Work undertaken in household 3B, 9 July 1969–7 Jan. 1970	149
7.16	Activities of younger son of household 17, 6 April–23 August 1969	152
8.1	The income of three households, 1969	154
8.2	Sources of income in a Blacksmith household	154
8.3	Total income of 100 households, Thak, 1969	156
8.4	Those working abroad in 100 households, 1969	156
8.5	Pensions in 100 sample households	157
8.6	Flow of cash and utility goods from migrant labourers	159
8.7	Total cash income of 100 sample households, 1969	159
8.8	<i>Jai</i> recruitment into the British or Indian army	162
8.9	Estimated consumption of food per day	163
8.10	Relative quantity actually consumed in two Gurung households, in a week in 1969	165
8.11	Consumption units in three households	165
8.12	Consumption units, by age-groups, in 100 households	165
8.13	Diet in three Thak households	166
8.14	Average nutritive value of ‘relishes’ per consumption unit	172
8.15	Consumption of ‘vegetables’, two households	173
8.16	The diet of a middling-wealth adult Gurung (per day)	175
8.17	Recommended diet for British women, and diet of adult male in Thak	176
8.18	Annual household expenditure in 5 village households	178
8.19	Annual expenditure on certain items	179
8.20	Cost of marriage ceremony in various places	181

Cambridge University Press

978-1-107-40686-5 - Resources ANI Population: A Study of the Gurungs of Nepal

Alan Macfarlane

Table of Contents

[More information](#)*Tables*

8.21	Cost of mortuary rites; Gurungs and others	182
8.22	Average annual consumption and cash expenditure of a middling Gurung household, 1969	184
8.23	Cash expenditure in various groups	186
10.1	Growth of population 1911–61	204
10.2	Number of Gurung speakers in national census, present in Nepal	209
10.3	Distribution of Gurung speakers present in national census	210
10.4	Population change in Kaski district, 1820–1961	210
10.5	Comparison of selected villages	211
10.6	Population change in Thak, 1954–71	213
11.1	Age at first marriage (237 cases in Mohoriya)	219
11.2	Age at first marriage of Gurung women in Thak	220
11.3	Age at first marriage of Gurung men in Thak	221
11.4	Number of times married, Gurungs in Thak, as at 1969	228
11.5	Age at which women now widows in Thak (1969) lost their husbands	230
12.1	Ages and number of living children of women who desired (or whose husbands desired) contraceptives: Thak and Mohoriya	241
12.2	Intermediate variables affecting fertility	246
13.1	'Completed family size', women aged 40+, Thak, 1969	252
13.2	'Completed family size', women aged 40+, Mohoriya, 1958	253
13.3	Mean average number of live births to women of various ages	253
13.4	Army service and mean average number of live-births per woman aged 40+	254
13.5	<i>jat</i> membership and average number of livebirths per woman aged 40+ (with one or more children)	254
13.6	Wealth and average number of livebirths to Gurung women aged 40–79, Thak, 1969	255
13.7	Age-specific fertility rates, three samples	256
13.8	Age-specific marital fertility rates compared	258
13.9	Age-specific marital fertility; two Gurung villages	259
14.1	Stated causes/symptoms of death in Thak census, Gurungs and others, 1969	266
14.2	Proportion of children died to women aged 40+ in 1969	272
14.3	Age at death of all children to mothers aged 20+, Thak, 1969	274
14.4	Age-specific mortality of children at various ages, to Gurung women in Thak, 1969	276
14.5	Mortality in Mohoriya between 1958 and 1969	277
14.6	Parental age at death in Thak	279
15.1	Thak and other groups compared: Sundbarg's age-divisions	284
15.2	Percentage of Gurungs in three age categories	285
15.3	Percentage of Gurungs of the two <i>jats</i> in each age group, Thak, 1969	285
15.4	Percentage of Gurungs and non-Gurungs in each age group, Thak, 1969	285
15.5	Sex-ratio of Gurungs in two villages	288

*Figures**In appendices*

A3.1	Date of housebuilding	319
A4.1	Changes in prices in Thak	329
A5.1	Structure of 100 households in Thak, 1969	332
A5.2	Structure of 87 households in Mohoriya, 1969	333

FIGURES

Fig. 2.1	Location of the Gurungs and of village studies	10
Fig. 2.2	Rice and maize fields down to the river	11
Fig. 2.3	An outlying hamlet	13
Fig. 2.4	House location and house numbering in Thak sample	16
Fig. 2.5	Spatial distribution of <i>jats</i>	18
Fig. 4.1	Thak <i>panchayat</i> in relation to neighbouring villages	36
Fig. 4.2	Land use in Thak; area of 100 sample households, 1969	38
Fig. 4.3	Profile of land cultivated by 100 sample households in Thak, 1969, compared to Scafell Pike, the highest mountain in England	40
Fig. 4.4	Flow of resources through Thak	43
Fig. 5.1	Size of rice holdings in Thak in 1883, 1933, 1968	53
Fig. 5.2	Size of rice holdings in Thak 100 sample households in 1933 and 1968	54
Fig. 5.3	Relative amounts of unhusked rice in two Gurung villages	56
Fig. 5.4	Number of households with specified amounts of maize in two Gurung villages, 1969	57
Fig. 5.5	Relative amount of land held by lineages and <i>jats</i> , 1933 and 1965	61
Fig. 5.6	Genealogy of <i>kebje</i> lineage one	62
Fig. 5.7	Schematic representation of Kesara's landholdings and their subsequent owners.	63
Fig. 5.8	Genealogy of <i>kebje</i> lineage two	65
Fig. 5.9	Genealogy of <i>lamme</i> lineage one	67
Fig. 5.10	Genealogy of <i>konme</i> lineage one	68
Fig. 5.11	<i>Gedi</i> field over time	70
Fig. 5.12	<i>Pallé</i> field over time	71
Fig. 5.13	Distribution of landholdings by lineages	72-3
Fig. 5.14	Genealogy and map showing inheritance of Parsing's rice land	75
Fig. 5.15	Genealogy and map showing inheritance of Motilal's rice land	76
Fig. 5.16	Genealogy and map showing inheritance of Potiram's rice land	77
Fig. 5.17	Location of lands of household 3B	78
Fig. 5.18	Location of lands of household 17	79
Fig. 5.19	Rice fields made since 1933	81

Figures

Fig. 5.20	Jointly registered unused slopes 1969	82
Fig. 5.21	Maize holdings registered since 1934	85
Fig. 5.22	Distribution of new maize holdings in two fields	86
Fig. 6.1	Some agricultural tools.	91
Fig. 6.2	Types of housing in main village of Thak	97
Fig. 6.3	Structure of a Gurung round-house	98
Fig. 6.4	Division of labour in the family	113
Fig. 7.1	Ploughing with oxen	130
Fig. 7.2	Making a rain-shield	138
Fig. 7.3	Water carrier	138
Fig. 7.4	Relative number of man-days spent on various tasks, 100 households	144
Fig. 7.5	Labour supply and demand in 100 sample households; major agricultural tasks, by months	145
Fig. 7.6	Man-days spent on various activities, household 17	151
Fig. 8.1	Relative income from various major sources in 100 households	158
Fig. 8.2	Flow of cash into 100 households	161
Fig. 8.3	Diet in two Gurung households, June 1969 to January 1970	170
Fig. 8.4	Flow of wealth at marriage	180
Fig. 8.5	Relative proportions of total annual consumption by an 'average' adult Gurung	185
Fig. 8.6	Relative cash expenditure p.a. by an 'average' adult Gurung	186
Fig. 9.1	The flow of cash in a Gurung village	188
Fig. 9.2	The flow of wealth in three societies: a simplified model	193
Fig. 10.1	Population of Nepal (1850–2000), compared to that of England and Wales (A.D. 1000–1800)	205
Fig. 10.2	A family group	209
Fig. 13.1	Age-specific marital fertility rates	257
Fig. 13.2	Age of Gurung women at the birth of their first child; women aged 30 and over	260
Fig. 13.3	Age of Gurung women at last child-birth	261
Fig. 13.4	Age of mothers at birth of all children: Gurung women aged 45+, Thak, 1969	262
Fig. 13.5	Army service and age at children's births; male Gurungs in Thak, 1969	263
Fig. 14.1	Months of deaths of various age categories, Thak	268
Fig. 15.1	Age/sex structure of Gurungs, Thak and Mohoriya	283
Fig. 15.2	Age/sex structure of non-Gurungs in Mohoriya, 1969 (Pun Magars have not been included here, but under Gurungs)	286
Fig. 15.3	Proportion of Gurung men undergoing army service, now or in the past, Thak 1969	289
Fig. 15.4	Age/sex structure of Gurungs present full-time in Thak, 1969	290
Fig. 16.1	The demographic transition; classic model	304
Fig. 16.2	Two models of pre-transition populations	306

Cambridge University Press

978-1-107-40686-5 - Resources ANI Population: A Study of the Gurungs of Nepal

Alan Macfarlane

Table of Contents

[More information](#)*Figures*

Fig. 16.3	Two models of population patterns	309
Fig. A3.1	Houses built near area of detailed observation, as recorded for the years 1940–59 in the land records for Thak	319
Fig. A3.2	Houses probably present in Thak main village in 1920	320
Fig. A3.3	Houses in Thak recorded as built 1920–39	321
Fig. A3.4	Houses in Thak recorded as built 1940–59	322
Fig. A3.5	Houses in Thak recorded as built 1960–9	322
Fig. A3.6	Housebuilding in Mohoriya	324
Fig. A3.7	Movement of lineages out of Thak central village over the last 80 years	325
Fig. A4.1	Price of rice and maize land in Thak, 1969	326
Fig. A4.2	Price of land in the past as a percentage of its price in 1969	328