

# CONTENTS

ACKNOWLEDGEMENT .....	i
ABSTRACT .....	ii
CONTENTS .....	iii
LIST OF TABLES .....	iv
LIST OF FIGURES .....	vii
<b>CHAPTER 1: BACKGROUND TO THE STUDY</b>	
1.1 Introduction .....	1
1.2 Objectives of the study.....	6
1.3 Significance of the study.....	7
1.4 Literature review .....	9
<b>CHAPTER 2: DATA AND METHODOLOGY</b>	
2.1 Sampling frame .....	19
2.2 Evaluation of the reliability and representativeness of the 1994/95 MPFS data .....	21
2.3 Treatment of missing values .....	23
2.4 Analytical framework.....	25
2.5 Statistical methods and measurement of variables in the study.....	29
2.6 Limitations of the study .....	33
<b>CHAPTER 3: TRENDS AND DIFFERENTIALS IN FERTILITY</b>	
3.1 Differentials in number of children ever born by socio-economic variables.....	35
3.2 Recent marital fertility .....	46
3.3 Completed fertility .....	52
3.4 Fertility trends and differentials across birth cohorts.....	56
3.5 Fertility differentials by age at first marriage .....	65
<b>CHAPTER 4: MULTIVARIATE ANALYSIS OF SOCIO-ECONOMIC VARIABLES AFFECTING FERTILITY</b>	
4.1 Introduction .....	68
4.2 Analysis of Variance on mean number of children ever born .....	69
4.3 Multiple Comparison Tests.....	73
4.4 Multiple Classification Analysis .....	76
<b>CHAPTER 5: CONCLUSION AND DISCUSSION.....</b>	<b>84</b>
APPENDIX .....	91
BIBLIOGRAPHY .....	93

## LIST OF TABLES

Table	Page
1.1 Crude birth rate by ethnicity, Peninsular Malaysia (1957-1997)	3
1.2 Total fertility and age specific fertility rates, Peninsular Malaysia (1990-1997)	5
2.1 Distribution of sample by state and stratum, MPFS 1994/95	20
2.2 Percentage distribution of ever-married women by age and selected socio-economic variables	22
2.3 Mean number of children ever born by age for ever-married women and currently married women, Peninsular Malaysia	25
2.4 Percentage distribution of ever-married women by birth cohort, Peninsular Malaysia	31
3.1 Percentage distribution of ever-married women by number of children ever born and age group, Peninsular Malaysia	36
3.2 Percentage distribution of ever married women by number of children ever born and selected socio-economic variables, Peninsular Malaysia	38
3.3 Mean number of children ever born among women in Peninsular Malaysia by ethnicity and age group	39
3.4 Mean number of children ever born among women in Peninsular Malaysia by place of residence and age group	40
3.5 Mean number of children ever born among women in Peninsular Malaysia by wife's education and age group	41
3.6 Mean number of children ever born among women in Peninsular Malaysia by wife's work pattern and age group	42
3.7 Mean number of children ever born among women in Peninsular Malaysia by husband's education and age group	43
3.8 Mean number of children ever born among women in Peninsular Malaysia by husband's occupation and age group	44
3.9 Mean number of children ever born among women in Peninsular Malaysia by family income and age group	45

Table	Page	
3.10	Percentage distribution of ever-married women by number of children ever born in the five years preceding the survey and age group among women who had been married for at least five years, Peninsular Malaysia	47
3.11	Percentage distribution of ever-married women by number of children ever born in the five years preceding the survey and selected socio-economic variables among women who had been married for at least five years, Peninsular Malaysia	49
3.12	Mean number of children ever born in the five years preceding the survey among women who had been married for at least five years in Peninsular Malaysia by ethnicity and age group	50
3.13	Mean number of children ever born in the five years preceding the survey among women who had been married for at least five years in Peninsular Malaysia by wife's education and age group	51
3.14	Mean number of children ever born in the five years preceding the survey among women who had been married for at least five years in Peninsular Malaysia by work pattern and age group	51
3.15	Percentage distribution of ever-married women by number of children ever born and selected socio-economic variables among women aged 40 and above at the time of the survey, Peninsular Malaysia	53
3.16	Mean number of children ever born by ethnicity and birth cohort among women in Peninsular Malaysia controlling for marital duration	59
3.17	Mean number of children ever born by wife's educational attainment and birth cohort among women in Peninsular Malaysia controlling for marital duration	62
3.18	Mean number of children ever born by age at first marriage and marital duration for women in Peninsular Malaysia	65
3.19	Mean number of children ever born by age at first marriage and marital duration for Malay women in Peninsular Malaysia	67
3.20	Mean number of children ever born by age at first marriage and marital duration for Chinese women in Peninsular Malaysia	67

Table	Page	
4.1	Analysis of Variance on number of children ever born by selected socio-economic variables	70
4.2	Analysis of Variance on number of children ever born by selected socio-economic variables with age and age at first marriage	72
4.3a	Scheffe's Multiple Comparison tests on mean number of children ever born	74
4.3b	t-test for mean number of children ever born by place of residence and husband's occupation	75
4.4	Factor summary of Multiple Classification Analysis on effects of selected socio-economic variables on children ever born with age and age at first marriage	78
4.5	Multiple Classification Analysis on number of children ever born according to selected socio-economic variables with age and age at first marriage	79
4.6	Factor Summary of Multiple Classification Analysis on effects of selected socio-economic variables on children ever born with age and age at first marriage (reduced model from Table 4.4)	83
4.7	Multiple Classification Analysis on number of children ever born according to selected socio-economic variables with age and age at first marriage (reduced model from Table 4.5)	83

## LIST OF FIGURES

Figure		Page
1.1	Total fertility rate by ethnicity, Peninsular Malaysia (1957-1997)	3
2.1	Age-specific fertility rates and total fertility rate	23
2.2	Histogram, normal Q-Q plot and box plot of number of children ever born	30
3.1	Mean number of children ever born among women in Peninsular Malaysia by ethnicity and birth cohort	56
3.2	Mean number of children ever born by level of education and birth cohorts	61
3.3	Mean number of children ever born by wife's educational attainment and ethnicity	64
4.1	Interactive effects of husband's education and family income on mean number of children ever born	71