

ARTICLES, PAPERS AND PUBLICATIONS OF ACTUARIAL INTEREST

BIRTH STATISTICS 1979 (OPCS Series FM1 No. 6)

Analyses births by season, age of parents, number of previous liveborn children, duration of marriage, area of usual residence, place of confinement, birthplace of parents, and social class. The volume also contains cohort analyses of births to women born between 1920 and 1964 and to women married between 1920 and 1977.

POPULATION AND DEVELOPMENT REVIEW 7,1

BOURGEOIS-PICHAT, J. *Demographic Change in Western Europe*. The present uniformity of trends in population growth and fertility is in sharp contrast to historical diversities. Urbanization has levelled off (and even reversed). The author believes that there will be no future decline in mortality at young ages, and, that improvements will accelerate the ageing of Europe's populations.

POPULATION TRENDS 22

HASKEY, J. *Trends in marriages: church, chapel and civil ceremonies*. Examines the rapid decline in the proportion of marriages solemnized with a religious ceremony. The influence of the ages of the bride and bridegroom and their marital status before marriage is considered, as are the different trends for the various religious denominations. Geographical variations in the proportions of marriages solemnized by the Established and Roman Catholic Churches are mapped and discussed.

THE ECONOMIC JOURNAL 91 (March 1981)

GREEN, F. *The Effect of occupational pension schemes on saving in the United Kingdom: a test of the Life Cycle Hypothesis*. Tests are based on a model of the savings function applied to the data of the 1953 Oxford Savings Survey and Family Expenditure Surveys. The conclusion drawn is that pension saving does not substitute with other types of saving.

FENN, P. *Sickness, Duration, Residual Disability and Income Replacement: an Empirical Analysis*. Cox's 'proportional hazards' model is applied, to show that income replacement has less effect in motivating the sick than the unemployed.

THE STATISTICIAN 30,1

BISSINGER, B. H. *A Long Life analysis*. Comparison of a steady (financial) 'retirement rate' in calculating average service life.

PREECE, D. A. *Distributions of final digits in data*. Discusses the main causes of uneven distributions and how patterns can point to a cause.

POPULATION INDEX

46,4

The Winter 1980 issue is devoted to a bibliography of governmental (and intergovernmental) serial publications containing vital or migration statistics.

UNITED NATIONS DEMOGRAPHIC YEAR BOOK

A special Historical Supplement was published in 1979, giving (for the previous 30 years) population by age, sex, marital and rural/urban status for each country, together with proportion never married (in age groups) and overall marriage and divorce rates. Expectation of life (ages 0, 1, 5, 15, 65) and deaths according to age and sex are given, with births by age of mother and sex, females by parity, general fertility rates together with gross/net reproduction rates.

JOURNAL OF THE OPERATIONAL RESEARCH SOCIETY

32, 2 (February 1981)

DANIEL, R. C. *LP-based Mathematical Programming—The Significance of Recent Developments*. This paper could be of interest to those concerned with large Mathematical Programming problems as it indicates how computational speeds have been changing due to developments in other disciplines, computer hardware and model formulation.

32,4 (April 1981)

This issue is devoted to "Management, Operational Research and the Micro"; of particular interest is the paper by CLEMENTSON, A. T. and CLEWETT, A. J. *A Critical Review of what is Available*.