

PREDICTION AND ANALYSIS OF RURAL POPULATION IN SHAANXI PROVINCE BASED ON POPULATION DEVELOPMENT EQUATION MODEL

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ABSTRACT

Based on the sixth census data of Shaanxi Province, this paper established the model of rural population in Shaanxi Province. On the basis of extrapolation of the fertility mode function and the mortality function of the sex and age and according to the total fertility rate. Three schemes are designed, which are high, medium and low, and then using the dynamic population development equation model established the model of rural population in Shaanxi province and predicted the population of rural areas in Shaanxi province, and analyzed the relevant population indexes. The results showed that, within the next 15 years, Shaanxi province rural elderly dependency ratio increased, the total dependency ratio rising, the proportion of the labor force declining.

Keywords: Population development equation; growth pattern; total fertility rate; population index; prediction.