

عنوان مقاله:

Optimal and Sustainable City Size by Estimating Surplus Function for Metropolitans of Iran

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خلاصه مقاله:

By shouldering the burden of a big chunk of global production, and giving Shelter to half of the world's population, currently cities play an important role in national economies. Benefits of agglomeration in cities have played a major role in the process of economic development of different countries, however, the expansion of urbanization has produced some problems including environmental and noise pollutions and traffic problems. Therefore many of the Metropolitan residents blame the population growth for the problems they face while urban governors have to find an answer to the question that if there is an optimum size for their cities, what is that size? This essay reflects on the optimal and sustainable size of the metropolitans in Iran and gives separate estimation for each. Due to scarcity of statistical information this article includes five metropolitans of Tehran, Isfahan, Mashhad, Shiraz and Ahvaz, within the time span of ۱۹۹۹ to ۲۰۱۲. This survey is based on the estimation of surplus function including the pollution externalities. The results show that Tehran is overpopulated to the excess of ۷۱ percent of its optimum size, and also it has exceeded its sustainable size by five percent. Also other four metropolitans of Isfahan, Mashhad, Shiraz and Ahvaz .have exceeded their optimal size but they still are in their relevant sustainable limits

کلمات کلیدی:

Local economy, optimal size, sustainable size, metropolises of Iran

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