

## **Analysis of Spatial Disparities of Population for Delicate Configuration of Public Service Facilities—Case of Gongshu District, Hangzhou, China**

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**Abstract :** With the rapid growth of urbanization in China in recent years, public services are in short supply because of expanding population and limitation of financial support, which makes delicate configuration of public service facilities to become a trend in urban planning. Besides, the facility configuration standard implemented in China is equal to the whole the urban area without considering internal differences in it. Therefore, this article focuses on population Spatial disparities analysis in order to optimize facility configuration in communities of main city district. The used data, including population of 93 communities during 2010 to 2015, comes from GongShu district, Hangzhou city, PRC. Through the analysis of population data, especially the age structure of those communities, the communities finally divided into 3 types. Obviously, urban public service facilities allocation situation directly affect the quality of residents common lives, which turns out that deferent kinds of communities with deferent groups of citizens will have divergences in facility demanding. So in the end of the article, strategies of facility configuration will be proposed based on the population analysis in order to optimize the quantity and location of facilities with delicacy.

**Keywords :** delicacy, facility configuration, population spatial disparities, urban area

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