

Spatial Analysis of Western Medical Services in Republican Beijing: A Historical GIS Approach

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ABSTRACT:

The aim of this paper is to reconstruct spatial phenomena of Western medical services in Beijing city during the Republican period. The analysis is based on a Republican Beijing GIS Dataset in progress. Spatial analytical methods such as hotspot analysis and geographically weighted regression (GWR) are used to explore the spatial patterns of Western medical services and its correlations with traditional Chinese medicine, population, temple and industry-commerce patterns.

KEY WORDS: *historical GIS, spatial analysis, Western medical services, Republican Beijing*