

# **MULTI-LEVEL ANALYSIS THE UNIFORMITY OF RESOURCES AND INFLUENCES FACTORS DISTRIBUTION IN PRIMARY EDUCATION (ON THE EXAMPLE OF ZHEJIANG PROVINCE)**

Bachelor's thesis

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## **ABSTRACT**

**The relevance of the research** lies in addressing the urgent need to promote educational equity. Educational equity is the foundation of social equity and a common concern of the whole society. Equity in the allocation of educational resources and balanced spatial distribution have become hot issues in the study of geospatial patterns.

Previous research on equity in the allocation of educational resources can be divided into two types, namely, spatial research and non-spatial research. The former refers to those with spatial factors involved, arguing that there is inequity in the spatial distribution of educational resources and services, and that GIS spatial analytical methods can be used to explore the problem of imbalance in the spatial distribution of educational resources. Another type of study asserts equity and fairness in educational resource allocation that are intertwined with the attributes of the school itself, such as public or private nature, infrastructure, teaching quality and external factors including gender, ethnicity, education system, economic, epidemic diseases, social capital and policy considerations.

**The object of this study** is the primary education resources in Zhejiang Province, and **the subject of the study** is the equity of primary education resources allocation and its influencing factors in Zhejiang Province.

**The purpose** of this qualification work is to gain a comprehensive understanding of the equity in the allocation of basic education resources in

Zhejiang Province and to analyze in depth the factors affecting this equity. To achieve the purpose of the study, the following **tasks** were set:

1. Analysis of the coefficient of variation in the allocation of primary education resources in Zhejiang Province. Through the in-depth study of coefficient of variation of indicators such as teacher resources and school facilities between counties and within counties, in order to comprehensively understand the differences of each indicator at different levels.

2. Spatial aggregation analysis of primary education resource allocation in Zhejiang Province. By analyzing the level of educational resources and the spatial aggregation of coefficient of variation of educational resources in each district and county, it reveals the spatial distribution characteristics and aggregation trend of primary education resources in Zhejiang Province.

3. Analysis of the influencing factors of the fairness of the allocation of primary education resources in Zhejiang Province. Taking geography, population and economy as the three dimensions, we analyze the factors influencing the fairness of educational resources, and use the ordered multiclassification Logistic regression model, OLS ordinary least squares method and SEM spatial error model to dig out the key factors influencing the fairness of educational resources.

**Structure of the work.** The qualification work consists of three parts, introduction and conclusion, arranged in 47 pages. Contains 5 figures and 6 tables. The reference list includes 52 sources