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**Summary**

The Governorate of Aden is one of the twenty one governorates of the Republic of Yemen. The Governorate of Aden has an area of about, thus constituting .% of Yemen’s thousand km.

The Governorate of Aden consists of eight districts: Sirah, Khormaksar, Maala, Tawahi , Mansoura, Sheikh Othman, Dar Saad, and Brega. Due to the importance of human geography and its role in highlighting the characteristics of the population and aspects of human development, this study identifies such characteristics of the population linked to human development in geographic context. A study of human geography in the Governorate of Aden is important for three important reasons. First, it will allow for the evaluation of such issues as problems with spatial distribution of the population and causes for the increased population growth rate and density. Furthermore, such a study will show the population composition and how it influences the demographic, economic, and social in an attempt for a more efficient utilization of human resources in development projects. Second, studying human development index and other service indicators relevant to human development in order to better understand the ranking of Aden’s districts and Aden’s ranking compared to other Yemen governorates. Third, the study allows for determining the suitability of available basic services and predicting prospective needs in order to assist in better planning for the future of such services. This dissertation, Population in the Governorate of Aden: A Demogeographic Study, consists of six chapters, preceded by an introduction and followed by a conclusion, appendices and a list of references. Following is a summary of the six chapters of the study.

**Chapter I: Population Distribution and Density**

Chapter I includes the study of the geographical distribution of the population, and the distribution of urban and rural population. Chapter I also addresses some standards associated with the analysis of the spatial distribution of population and the relationship between people and land. The standards addressed are: measures of population concentration (percentage of population concentration, and the Lorenz curve), the central point of the population, population re-distribution index, and the measure of arithmetic population density. Chapter I ends by examining the most important factors affecting the distribution of the population

.  **Chapter II: Population Growth**

Chapter II includes the study of population growth, population growth rates, the time necessary for doubling the population, and the components of population growth (births, deaths and migration( .

**Chapter III: Composition of the Population**

Chapter III includes the study of age structure, gender composition, population pyramid, the economic composition (the distribution of manpower between the employed, unemployed, and the inactive economically; the distribution of the employed based on their work status, economic activity and profession), as well as social structure (educational status and marital statu) .

**Chapter IV: Human Development Index**

Chapter IV addresses the dimensions of the human development index and its indicators in Aden districts. Chapter IV compares the development index extracted from the study with human development according to national standards. Chapter IV includes the ranking of Yemen’s governorates according to the human development index, to determine the arrangement of the gavernorator.

**Chapter V: Service Indicators of Human Development**

Chapter V covers service indicators such as (water, sanitary sewer, electricity, cooking fuel, communications, and social welfare). Chapter V concludes with a distribution matrix of Aden’s districts and the rank of Aden governorator among other Yameni governorators based on the quality of service indicators of human development.

**Chapter VI: Estimates of Population and their Needs**

Chapter VI deals with estimates of population and their density in the governorate of Aden until the year . Specifically, the study estimates the population, density, distribution by age groups, and the size of the workforce. Chapter VI also includes an assessment of the needs of the population to services in education, health, among other services such as water, sanitary sewer, electricity, cooking fuel, and transportation, and communication.