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STUDY ON IMPACT OF POPULATION EXPLOSION ON ENVIRONMENT

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Study on Impact of Population Explosion on Environment

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Abstract – Population growth (or decline) is influenced by many factors that fall into the broad realms of demographic characteristics, socioeconomic conditions, transportation infrastructure, natural amenities, and land use and development across space and time. This paper adopts an integrated spatial regression approach to investigate the spatial and temporal variations of these factors' effects on population change. Specifically, we conduct the analysis at the minor civil division level in Wisconsin, USA, from 1970 to 2000. The results suggest that the factors have varying effects on population change over time and across rural, suburban, and urban areas. Their effects depend upon the general trend of population redistribution processes, local dynamics, and areal characteristics. Overall, a systematic examination of population change should consider a variety of factors, temporal and spatial variation of their effects, and spatial spillover effects. The examination should have the flexibility to identify and incorporate influential factors at a given point in time and space, not to adhere to a single set of drivers in all circumstances. The findings have important implications for population predictions used for local and regional planning.

Keyword: Population, Growth, Spillover, Regression

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INTRODUCTION

The proposed examination expects to feature the significant characteristics of population and the effect of its own financial development with extraordinary reference to the geological area of the Ahmadnagar region which is situated in the state Maharashtra reaching out between 180 2'N TO 190 9' North scope and 730 9'E to 750 5' East longitude¹ having recorded 4040642 population In 2001 which welcome the consideration of the scientist to think about the different example and the distribution of population based on growth, distribution, arrangement, occupation and other major and minor segments of population. Consequently, the concentrated the subject of the examination is, 'To think about the population characteristics and its effect on socioeconomic development of the Ahmadnagar region with regards to geology'.

The investigation of population never be seen in seclusion. Population and other physical, modern, natural and geological and so on factors are interrelated. Consequently, it is important to discover the adjustment of population in chose territory with its moment detail, recording the different geological assets, the impact of changed physical, modern factors alongside the growth of co-employable which is remained the vital in all assets in the district to pressure the population and the other way around.

Most importantly, how the standards of population left its effect and exceptional stamp on the financial development of the district. Population itself is a significant viewpoint. Characteristics of population includes distribution of population, growth of population, strict organization, etymological arrangement, age synthesis, sex proportion, way of life, thickness and financial structure.

These characteristics are helpful to comprehend population character of the district. The investigation is identified with the distribution of population. It discloses to us what number of individuals live specifically land region, which region has grouping of population and in which territory has a not many individuals live. Population arrangement includes the Age and Sex piece, Religious and Linguistic organization, Economic creation and word related structure. Thusly the present examination focuses on extensive comprehension of population characteristics and their socio-worldly varieties. Late figures identified with characteristics of population and its different viewpoints become accessible through the demographic examination. With this data, it is straightforward the procedure of adjustment of individuals to their land environment. While contemplating characteristics of population in various land locale of the region it has likewise been

learned about its association with physical, financial and social elements.

Monetary development of an area is affected by frames of mind of individuals and their desires. Significance of topographical area changes according to the mentality and desire for the individuals which in 4 turn impacts distribution of population. Fast growth of population is viewed as a significant determinant of growth. Since financial growth is estimated as far as an expansion in per capita salary. In this way growth of population is affected by monetary factors, for example, per capita salary and way of life. Monetary advancement and growth of population are firmly related in light of the fact that financial advancement is identified with the normal assets and the population that adventures these assets. In the event that enough population isn't accessible, at that point all the normal assets won't be completely misused, and creation will stay low to that degree. Population is along these lines a central point contributing towards generation.

The previously mentioned elements assume a key job to push the socio economy of the region. While contemplating population characteristics and its effect on financial development it is important to consider the assets that are accessible in the district. Agribusiness 5 and horticulture based ventures, for example, sugarcane enterprises, milk co-usable, dairy items, quarrying, watered land asset are caused to shape the socio-economy of the area. Alongside this as referenced as of now the to wrap things up the MIDC and much known milk industry make the tertiary segment out of the chose territory. Regarding these follow the agrarian promoting society, medicinal services offices, instructive foundations, transport and correspondence which gives the locale the way of life as a 'Passage of Vidharbha and Marathwada. Aside from this the developing traveler focus manufactures the new economy regarding transportation. Thusly the travel industry, lodging industry, railroads, roadways and air ventures are changing the essence of the picked region.

REVIEW OF LITERATURE

Dr. Yusuf Khan (2012), In his examination work entitled 'western Maharashtra-An investigation of population Geography', for the most part centers around the subjects of distribution and growth of population, Density, Sex and Age arrangement, proficiency and word related structure, conjugal status and territorial organization, urbanization and 16 population issues in regard to Maharashtra. In the theme of sex and age creation, he broke down spatial example in sex proportion, country and urban sex proportion, age organization, worldly variety in age structure, rustic urban differentials in age structure. He likewise determined the reliance proportion.

Dr. Kadam N.M. (2012), In his examination work entitled, 'Ahmadnagar District-An investigation in Regional Planning', broke down the theme of demographic angles, for example, thickness, sex

proportion, word related structure, relocation and proficiency. In the theme of geographic settings, he contributed area, physical and social setting of the examination region. Physical arrangement secured Geology, Mineral, Drainage, Climate, Natural vegetation and Soils. While social settings centers Agriculture, Irrigation, Industries and accessibility of the assets. Rajendra kumar Sharma (2004), 'Demography and population Problems', This is amended and refreshed release for the most part incorporates idea of demography, factors deciding sex proportion, age structure, reliance proportion, conjugal status and instructive accomplishment.

Kayastha S.L. (2017), 'Geography of Population', The creator resuscitated this volume in four areas as- Environmental observation, Problems and arrangements. In segment second-Population characteristics and issues. In the segment third-Problems of Urban and Rural Development and Migration. In fourth, 'population effects of development and fiascos. He presented the characteristic and HR and connected with the travel industry potential in India. He additionally talked about the general characteristics of population as, population growth, proficiency and religion.

Robert Wood (2016), 'Population Analysis in Geography'. The writer in this book underlined the subjects of sources and nature of demographic information, fruitfulness and mortality patterns, relocation and models of population structure. He separated the limit lines isolating demography and population geography. He has given fundamental demographic condition which computes the insights of population growth and projections of population.

Bedi R.D. (2015), 'Hypothesis History and Practice of Cooperation'. The creator has illuminated 'Co-activity' and its different viewpoints like monetary associations, private and open endeavor, makers and shoppers social orders. Creator additionally examined about definitions and standards of co-activity, co-activity and legislative issues in India. This book was stay valuable for getting collaboration and co-employable developments in India.

The exploration point is identified with population, and is the subject of 'population Geography' just as 'Demography'. Human Geography is the part of geography which has a few subbranches including 'population Geography' and 'Demography'. As per Trewartha, 'Population Geography ponders characteristics of different human gatherings, found in various geological areas'. 3 Rawat has expressed that – 'Demography, the measurable investigation of human population, that is one that changes after some time or space'.4The Clarke(1965 P-2) has stated that- 'Population Geography is concerned with demonstrating how spatial variations in the distribution, composition, migration, growth of population are related to spatial variation in the nature of places'.5 these perspectives expresses that population characteristics are considered in both

the 8 control yet Demography offers significance to its insights while Population Geography to its spatial varieties. As S.N. Agarwala states that-'Demography manages population measurements. Population examines manage expository translation of population elements and structure, which covers a more extensive region... We are moving from Demography to Population studies'.⁶ Therefore this theme is worried about population characteristics with fundamental insights.

OBJECTIVES OF THE STUDY

- 1) The significant objectives of the present investigation is to make an exhaustive investigation of population characteristics of Ahmadnagar Districts.
- 2) To know the impact of physical factors on population distribution in Ahmadnagar District.
- 3) To discover distribution and growth of population in various pieces of the areas.

RESEARCH METHEDOLOGY

The information for the present investigation were gathered with the assistance of perception, casual top to bottom meetings, key witness interviews, contextual analyses and registration plans. The essential information is the crude information gathered through various hotspots for which exceptional surveys were planned and data gathered through different workplaces and people groups. Other than the abovementioned, Secondary information is additionally gathered from the evaluation handbook; District factual dynamic, Socio-efficient survey of Ahmadnagar region, Statistics from government workplaces as, District measurable office and Grampanchayat workplaces. The information gathered through essential and auxiliary sources were handled and displayed by measurable and cartographic strategies. These includes Population growth rate, Decadal Growth Rate, Dependency Ratio, Sex Ratio, Work Participation Rate, Arithmetic Density, Age-sex explicit rate and Crude Literacy Rate. The various systems and techniques, for example, Maps, Graphs, computation, and Isopleth, Chloropleth and isolated circle are utilized.

DATA ANALYSIS

Population growth, which is related with an assortment of demographic, sociocultural and monetary elements, comprises a significant segment of population investigation of a zone. It mirrors the overarching dynamism of demographic character in the region. The way an exceptionally low population growth or zero population growth in the created nations is an issue, a similar way a high population growth in the less created nations is additionally an issue. Truly, a quick growth of population, when brought about by high ripeness and huge scale movement, brings about the

ascend of population pressure on assets and huge change in the demographic and financial character of population. Such a circumstance, as pervasive in many pieces of the India's north-east, has just offered ascend to various demographic, financial and political issues of fluctuated measurements. With this foundation, the present section is intended to comprehend the pattern of population growth in Nalbari area in connection to the province of Assam; winning variety in this regard in both spatial and social settings; and elements related with such an examples.

TREND OF POPULATION GROWTH

The region of Nalbari, which establishes the state's 2.88 percent region and 4.31 percent population (2001 Census), has been portrayed by an extremely high pace of population growth nearly all through the only remaining century. It is sending out enough to vibrate that during the time of most recent hundred years (1901-2001) the locale's population has expanded from 1.26 lakh to 11.49 lakh (Table 3.1 and Fig. 3.1) by recording an expansion of 9.1 occasions as against 8.1 occasions and 4.3 occasions in the cases of state and nation's population separately.

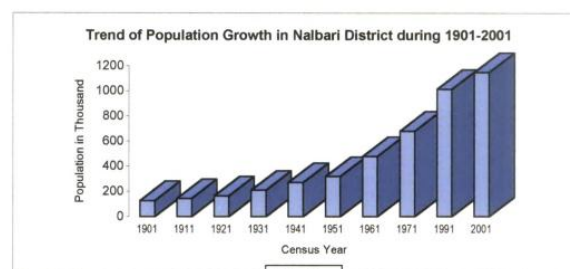


Table 1.1 : Trend of Population Growth in Nalbari District, 1901-2001

Year	Population (in thousand)	Average annual growth rate (in percentage)		Percentage share of District's population to State's total	Population Density (Persons/km ²)	
		Nalbari District	Assam		Nalbari District	Assam
1901	126	--	--	3.86	56	42
1911	143	1.26	1.58	3.74	64	49
1921	164	1.34	1.88	3.54	73	59
1931	210	2.49	1.83	3.78	93	71
1941	271	2.61	1.87	4.06	120	85
1951	320	1.66	1.83	3.99	142	102
1961	479	4.11	3.04	4.42	212	138
1971	681	3.57	3.04	4.66	302	186
1981	1016	2.02	2.16	4.53	450	280
2001	1149	1.23	1.75	4.31	509	340

CONCLUSION

Population geography stresses territorial difference in region as far as their population. Also, it centers on study mams-culture, monetary exercises and his general distribution at present or past. There exists a requirement for better comprehension of spatial example of population.

Population Geography is progressively worried about spatial varieties in the distribution of population as far as every single such impact that gives the spatial example and worldly measurements. Population distribution over a

district is personally identified with its physical, financial and social condition. The geographer's errand is to clarify the decent variety of this distribution as far as each of the 201 those impacts in population distribution that has been consistently changing and its circumstances and end results which differ with existence. The present examination has intended to clarify the distribution examples of population in Sangli District of Maharashtra state. This has been investigated with the assistance of some physical and financial elements. Population is unevenly appropriated all through the district. In certain parts, a thick fixation is found while in others it is discovered inadequate. This variety is for the most part related with the physical characteristics as well as with the monetary set up of the various pieces of the investigation region.

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