ANALYSIS ON CITIES OF INDIAN STATES IN POPULATION AND LITERACY RATES

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This study analyse all Cities situated in the Indian states on basis of their population and literacy rates. The dataset I used in this analysis can be found on GitHub named cities_r2.csv. This dataset contains the population information and literacy information of all cities in India which is accompanied by States. This article showcases the Analysis I done on this dataset to find important insights for further uses or needs.

This dataset contains 493 rows and 22 columns with no null values. 25%, 50% and 75% tiles across all of the numerical values are only in small differences which is not bad. As there is no null values I didn't change or remove any values also all Columns can be used so no need of deletion of any Columns.

The most populous cities according to this dataset is Mumbai followed by Delhi and least is Kapurthala. UP has the most number of populous cities followed by West Bengal and in last position Andaman and Nicobar Islands but Maharashtra has the most urban population even though UP has more cities. Maharashtra has the most Male and Female population with Mumbai as the first place in Cities ranking in both Sex. But in terms of Children population Delhi is on highest rank followed by Mumbai. But Kerala has the highest Sex -Ratio. So, after this analysis we can confirm that UP and Maharashtra are the states which have most populous cities both in Urban and Rural terms but Kerala taking the spot for Sex-ratio and states like Meghalaya, Nagaland and Andaman & Nicobar Island's as the lowest ranking in all aspects of population.

Maharashtra has most number of Literate population followed by UP in which Mumbai with highest ranking in terms of cities followed by Delhi but in terms of Highest effective literacy rate Mizoram, Kerala and HP is on higher rankings. Most of number of Graduates are from Chandigarh and Delhi. So, from this is that Literacy analysis results is much different from population analysis results.

Male-Female population compared to total population

Male-Female effective literacy rate compared to Total Literacy Rate

MIZORAM
KERALA
HIMACHAL PRADESH
TRIPURA
MEGHALAYA
MANIPUR
ASSAM
TAMIL NADU
MAHARASHTRA
ANDAMAN & NICOBAR ISLANDS
PUDUCHERRY
ORISSA
WEST BENGAL
NAGALAND
GUJARAT
CHHATTISGARH
CHANDIGARH
KARNATAKA
JHARKHAND
MADHYA PRADESH
HARYANA
UTTARAKHAND
NCT OF DELHI
PUNJAB
ANDHRA PRADESH
BIHAR
RAJASTHAN
JAMMU & KASHMIR
UTTAR PRADESH

effective_literacy_rate_total
effective_literacy_rate_male
effective_literacy_rate_female

Male-Female Graduates compared to Total Graduates

CHANDIGARH
NCT OF DELHI
MAHARASHTRA
KARNATAKA
JAMMU & KASHMIR
GUJARAT
TAMIL NADU
KERALA
ANDHRA PRADESH
MANIPUR
JHARKHAND
ASSAM
UTTAR PRADESH
ORISSA
HARYANA
TRIPURA
PUNJAB
CHHATTISGARH
RAJASTHAN
MADHYA PRADESH
UTTARAKHAND
PUDUCHERRY
WEST BENGAL
HIMACHAL PRADESH
BIHAR
MIZORAM
MEGHALAYA
NAGALAND
ANDAMAN & NICOBAR ISLANDS

total_graduates
male_graduates
female_graduates