

Analysis of Healthcare System of India

Dataset 1: df1_clean

This dataset contains information on various health facilities and their utilization rates.

- **Facility Name:** (String) The name of the health facility.
- **State Name:** (String) The name of the state where the facility is located.
- **Type of Facility:** (String) The type of facility (e.g., hospital, clinic).
- **Utilization Rate (%):** (Float) The percentage of the facility's capacity that is utilized.
- **Facility Type:** (String) The type of facility:
 - sub_cen: Sub-Centre - A small health facility providing basic healthcare services.
 - phc: Primary Health Centre - A frontline healthcare facility in rural areas offering medical treatment and prevention services.
 - chc: Community Health Centre - A regional facility providing comprehensive healthcare services including surgeries.
 - s_th: Sub-District/Taluka Hospital - A hospital serving a sub-district or taluka region with specialized medical care.
 - dis_h: District Hospital - The main healthcare provider at the district level offering extensive medical care.

Dataset 2: df2_clean

This dataset provides details on the number of hospitals and hospital beds in rural and urban areas across various states.

- **State/UT/Division:** (String) The name of the state, union territory, or division.
- **Number of Rural Hospitals (Govt.):** (Integer) The total number of government-run rural hospitals in the region.
- **Number of beds in Rural Hospitals (Govt.):** (Integer) The total number of beds in government-run rural hospitals.
- **Number of Urban Hospitals (Govt.):** (Integer) The total number of government-run urban hospitals in the region.
- **Number of beds in Urban Hospitals (Govt.):** (Integer) The total number of beds in government-run urban hospitals.
- **Number of Total Hospitals (Govt.):** (Integer) The total number of government-run hospitals (rural and urban combined).
- **Number of beds in Total Hospitals (Govt.):** (Integer) The total number of beds in government-run hospitals (rural and urban combined).

- **Provisional/Projected Population as on reference period in (000):** (Integer) The projected population of the state/UT/division during the reference period, in thousands.
- **Average Population Served Per Govt. Hospital:** (Integer) The average number of people served by a single government hospital in the region.
- **Average Population Served Per Govt. Hospital Bed:** (Integer) The average number of people served by a single government hospital bed in the region.
- **Reference Period:** (String) The reference period for the data.

Dataset 3: df3_clean

This dataset contains aggregated data related to healthcare facilities.

- **State_Name:** (String) The name of the state.
- **Total Facilities:** (Integer) The total number of healthcare facilities in the state.

Dataset 4: df4_clean

This dataset provides information on the availability of doctors and other medical staff at primary healthcare centers (PHCs).

- **State/UT:** (String) The name of the state or union territory.
- **Total PHCs functioning:** (Integer) The total number of primary healthcare centers functioning in the region.
- **Number of PHCs functioning with 4+ doctors:** (Integer) The number of PHCs functioning with four or more doctors.
- **Number of PHCs functioning with 3 doctors:** (Integer) The number of PHCs functioning with three doctors.
- **Number of PHCs functioning with 2 doctors:** (Integer) The number of PHCs functioning with two doctors.
- **Number of PHCs functioning with 1 doctor:** (Integer) The number of PHCs functioning with one doctor.
- **Number of PHCs functioning without doctor:** (Integer) The number of PHCs functioning without any doctor.
- **Number of PHCs functioning without lab tech:** (Integer) The number of PHCs functioning without a lab technician.
- **Number of PHCs functioning without pharma:** (Integer) The number of PHCs functioning without a pharmacist.
- **Number of PHCs functioning with lady doctor:** (Integer) The number of PHCs functioning with a female doctor.

