

Research Methods

Module 4: “Literature Review & Software tooling”

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C.D.S. MTech. Coursework

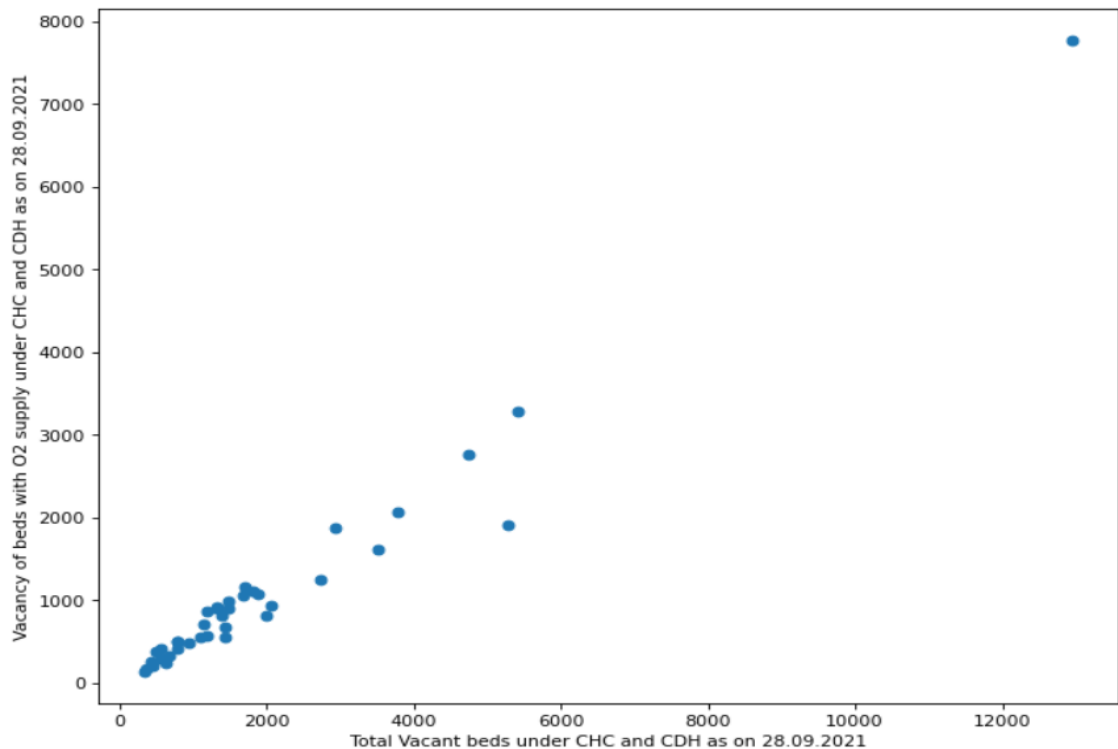
S.R. No: - 18100

Dataset:

- i. **Description:** - Dataset tells us the number of beds vacant for the treatment of COVID-19. Bed Vacancy details under Covid Health Centres and Covid District Hospitals in Tamil Nadu as on 28/09/2021.
- ii. **Link:** - https://tn.data.gov.in/node/6895119#web_catalog_tabs_block_10

Plots:

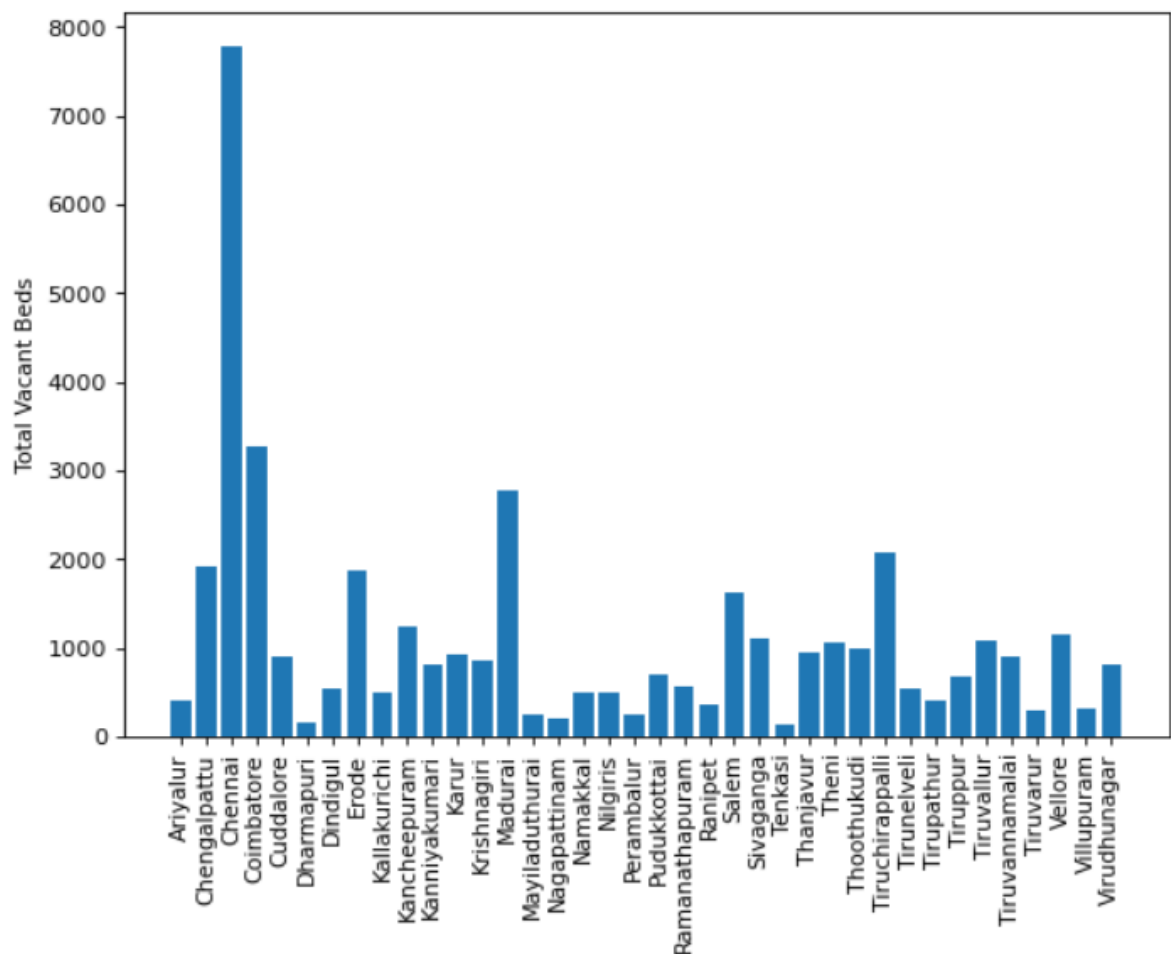
a. Scatter Plot: -



Observations: -

- Scatter Plot have been plotted between two features Total Vacant beds under CHC and CDH vs beds having O2 supply.
- Plot shows that both the features are highly correlated i.e., as number of vacant beds having O2 supply increases as the number of vacant beds increases.

b. Bar Plot: -

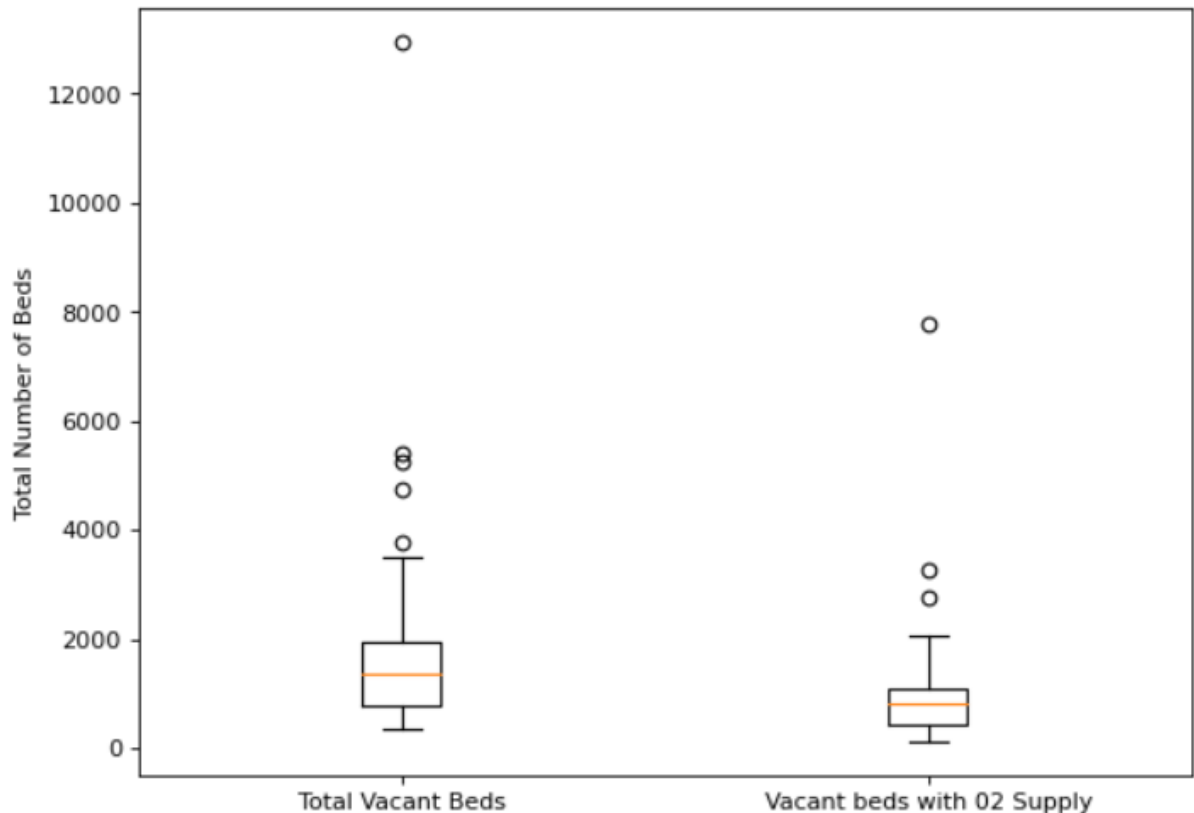


Observations: -

- Bar Plot have been plotted between two features Number of vacant beds vs. District in Tamil Nadu as on 28/09/2021.

- ii. We can observe from the plot that Chennai has the most number of vacant bed and Tenkasi has the least number of vacant beds.

c. Box Plot: -



Observations: -

- i. Box Plot have been plotted between Total Number of vacant beds vs. Beds having O2 supply or not.
- ii. Total Vacant beds have more outlier as compared to vacant beds having O2 supply.
- iii. Distribution of vacant beds with O2 supply shows less variance as compared to the Total Vacant Beds.

