

About MSCS

A bill was passed by both houses of Parliament and subsequently received the President's assent on July 3, 2002. That is “**The Multi-State Cooperative Societies ACT 2002**”. An Act to consolidate and amend the law relating to cooperative societies. The main objective of this Act is, that cooperative societies should not be confined to states, rather than that they should be centralized to help other states. The philosophy of the formation of a cooperative society is “**All for each and each for all**”. This enable them to promote their economic and social betterment and to provide functional autonomy, which was felt necessary by the various cooperative societies, and the federation of various cooperative societies as well as by the Government.

Overview Of Dashboard

The consumer can get insights about the registered societies such as the distribution of Sectors, Registered area, operating area, and much more from the comprehensive interactive dashboard. This Dashboard will be helpful to track the progress of the sectors and regions over a period of time.

About Data

The dataset initially contained errors, which were manually cleaned and imputed to ensure quality results from the dashboard. These errors included missing district names and changes in data types. Created Latitude and Longitude feature for specifying geographical location. There may or may not be minor errors in the output due to the quality of the data. The cleaner the data, the higher the likelihood of producing a higher quality output.

Visuals from the Dashboard

KPIs & Metrics

We can observe 7 KPIs & Metrics from the dashboard, let us discuss them one by one.

- ***No of Registered Society*** – From this, the count of registered Societies to date can be observed and different views can be obtained by using the filters.
- ***No of Unique Registered Society*** – From this, the distinct count of States registered by the societies can be observed and different views can be obtained by using the filters.
- ***No of Unique Operating Area*** – From this, the distinct count of areas that are being operated by the societies can be observed and different views can be obtained by using the filters.
- ***No of Unique Sectors*** – From this, the distinct count of existing Sectors can be observed and different views can be obtained by using the filters.

- **Popular Sector** – From this, the most popular sector can be observed, i.e., The sector which has more no of societies, and different views can be obtained by using the filters.
- **Avg Area of Operation** – From this, the average count of operating area for a society can be observed, i.e., on average how many areas are being operated by a single society and different views can be obtained by using the filters.
- **Avg Society Age** – From this, the average Age of the society can be observed, i.e., On average how old a Society is and different views can be obtained by using the filters.

Charts and Maps

- **Count of CRCS by Sector** – From this column chart the no of registered societies by sector type can be obtained. By using the filters, we can narrow down the results from the chart.
- **Count of CRCS by State and District (Drill Down)** – From this, the no of registered societies by State can be obtained, and by using the Drill Down option each State can be drilled down into districts. By using the filters, we can narrow down the results from the chart.
- **MSCS Population** – From this map, we can observe visually where the societies are registered. Other than the filters, we can click the desired state like a filter to get an overall quick insight from the dashboard.
- **Area of operation by sector** – From this map, we can visually observe the areas in which the registered societies are operating along with the sector type. By using the legends, we can differentiate the sectors and different views can be obtained by using the filters. For e.g., Let there be a society call 'abc', from this map areas in which the society are being operated can be obtained.
- **Count of Society by Region** – From this chart, the count of the registered society region-wise can be obtained. Other than the filters, we can click the desired Region column like a filter to get an overall quick insight from the dashboard.

Table & Others

- **Table** – From the table, the Name of the registered, Date of Registration, Address of the society, Sector type, Areas of operation, and its count can be viewed. By using the search bar, you can search with desired existing society names to get more details about them in the table.
- **Newly Registered CRCS** – From this scrolling visual which is present between the filters and metrics, the top 5 newly registered society names can be observed. By using the search bar, you can search with desired existing society names to get more details about them in the table.

Interactive feature of Dashboard

This whole Dashboard is an interactive one, i.e., other than filters, by clicking a specific column in the column chart specific or clicking a location in map, the whole dashboard will be drilled down to that particular attribute. For e.g., If you select a specific state like 'Tamil Nadu', the whole dashboard is drilled downed according to the 'Tamil Nadu'. Likewise, every chart is an interactive one.

Insights from the Dashboard (examples)

- There are **100** registered societies among the **18** states. So that we could say, on average there will be **5.55** societies in a State.
- Among these **100** societies, the societies are distributed into **13** Sectors. So we could say, on average there can be **7.7** societies in a Sector.
- Talking about the sectors, the **Agro** sector is leading with **54** societies whereas **Dairy & Tourism** are lagging with only **1** Society. Now, by varying the year filter we can observe that during **2016-2018** there were only **four** sectors. Among them, **Cooperative Bank** is leading and all the other sectors are also equally performing well.
- **Maharashtra** is the state which has a **high** no of registered societies, whereas Assam, Jammu and Kashmir, Karnataka, Punjab, Uttarakhand, and West Bengal are having only one society. We know that the **Agro** sector is the popular sector, now by filtering by Agro Sector, it can be observed that **Uttar Pradesh** is the **major contributor**.
- From the Area of operation Map, it can be observed that the operation is distributed all over India and that too mostly in the Northern part of India. From this, we could say that the Southern region needs more contributions from the societies. By using the Sector type filter, the distribution of sector performance can be observed from the map for further analysis.
- From the **MSCS Population** map, it can be observed that the societies are covering **64%** of India. So, it can be encouraged to make contributions from the other remaining states to boost the growth of India.
- In this 64%, the **majority** of states are from the **Western** region, and on the other hand, Easter and Northeaster regions are less.
- It can be observed that on average **2.92** areas are operated by a Society, which is decent but, considering the growth of India, the operating area per society can be increased to boost for greater growth of our India.

By leveraging the KPIs, metrics, charts, maps, tables, and other features of the dashboard, consumers can obtain valuable insights into the registered societies, including their count, geographic distribution, operational areas, sectors, popularity, operational scales, age profiles and all other things from the Dashboard.