Shivaji University
Kolhapur, Maharashtra

Government of India
Ministry of Home Affairs
Directorate of Census Operations
Maharashtra

Census Data Research Workstation

DETAILED BROCHURE

Department of Statistics
Shivaji University Kolhapur

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INTRODUCTION:

This document provides a comprehensive overview of the Census Data Research Workstation (CDRW) established at the Department of Statistics, Shivaji University, Kolhapur. Highlighting its purpose, facilities, data access procedures, and available data sets. CDRW aims to promote research using anonymized census microdata, fostering deeper insights into population trends and characteristics.

Census Data Research Workstation, Department of Statistics, Shivaji University, Kolhapur

THE INITIATIVE AND ORIGIN:

Census Data Research Workstation (CDRW) has been established at the Department of Statistics, Shivaji University, Kolhapur, in association with the Directorate of Census Operations (DCOs), Maharashtra which is an Office under the Registrar General & Census Commissioner, India (ORG&CCI), Ministry of Home Affairs, Government of India.

- This is an initiative of the Office of Registrar General & Census Commissioner, India, Ministry of Home Affairs, Government of India.

- ORG & CCI has 35 offices all over India. Besides the Head Office at New Delhi and the Language Division at Kolkata, 33 offices are located in States/UT and are known as Directorate of Census Operations (DCOs). The office is responsible for conduction of decennial population census in India under the Census Act, 1948.

- Census data is the only authenticated source that provides both macro and micro level data for the entire country, enabling its use and analysis by the government, academicians, and researchers.

- The Directorate has proposed to establish a dedicated research workstations in the Universities/Institutions in Maharashtra **to provide access to anonymized census microdata for students, researchers in a protected environment to promote the research**.

- Shivaji University, Kolhapur has accepted this proposal and established a workstation in the Department of Statistics from University funds.

OBJECTIVES OF CDRW:

- To provide qualified researchers with optimal access to anonymized microdata from the Census, enabling in-depth research through the generation of cross-tabulations not published by the Census.

- To provide access of the workstation facility to all researchers, including those who are not enrolled or part of the university, facilitating the broad use of Census microdata.

- To enhance the utilization of Census Data by enabling the generation of cross-tabulations from confidential micro-data, this cannot be achieved using the publicly available aggregate-level data.

- To promote in-depth studies that may contribute to improving the methodology of data collection during the Census and identify strengths and weaknesses in the microdata.

DETAILS OF THE DATA AVAILABLE:

The workstation provides access to a census data from **2001, 2011, and onwards**.

1) **Census Microdata Sample:** Microdata means the information provided by one individual respondent at the time of the Census. These are made available after anonymizing sensitive fields and location particulars to avoid the identification of the respondent.

This Microdata is available in two modes:

Level	Mode	Sampling Rate
National	India by States	1% Sample
State	State by Districts	5% or 10% Sample

Each mode offers two types of data:

- **Housing Census data(CIHMS)**

- **Population Enumeration data(SMCI)**

List of Variables in Housing Census Data

The Housing Census data includes a detailed set of variables related to housing characteristics and living conditions. This data provides valuable insights into the housing landscape, infrastructure, and socioeconomic conditions across different regions of the country.

1. State	18. Availability of water
2. District	19. Light Source
3. Place of enumeration (Rural/ Urban)	20. Type of latrine
4. Ownership status	21. Type of waste water facility
5. Type of house	22. Availability of bathroom
6. Availability of electricity	23. Availability of kitchen
7. Availability of safe drinking Water	24. Type of fuel
8. Floor material	25. Availability of Radio/Transistor
9. Wall material	26. Availability of television
10. Roof material	27. Availability of telephone
11. Purpose of use	28. Availability of Bicycle
12. Condition of house	29. Availability of Scooter
13. SC/ST status	30. Availability of Car/Jeep
14. Number of rooms	31. Availability of banking facility
15. Number of couples residing	32. Weight
16. Number of independent rooms	33. Sampling Rate
17. Type of water Source	

List of Variables in Population Enumeration Data

1. State	15. Literacy status
2. District	16. Working status
3. Place of enumeration	17. Category of economic activity of main worker
4. Stratum Code	
5. Type of household	18. Non economic activity
6. Household number	19. Seeking available for work for marginal worker
7. Serial number of the individuals of household	
	20. Number of Surviving daughters
8. Sex	21. Number of Surviving son
9. Age	22. Number of Ever born daughter/s
10. Current marital status	23. Number of Ever born son/s
11. Age at marriage	24. Number of daughter/s born alive
12. SC ST status	25. Number of son/s born alive
13. Disability	26. Weight
14. Type of disability	27. Sampling rate

2) Census Public Domain Data (well arranged/ordered): We also have the census public domain data which is aggregated on various administrative levels like **country, state/UT, district, sub-district, town, village, or ward in a town**. And that was already available to public but scattered across the http://censusindia.gov.in/ website.

You can see this data here: https://censusindia.gov.in/census.website/data/census-tables

Census tables related to each variable listed below are available at workstation in the form of Excel files.

Age	Migration
Area, households and populations	Primary Census Abstract(PCA): See list of variables in PCA below
Decadal variation in population	
Disability	Religion
Education	Scheduled Castes
Female headed households	Scheduled Tribes
Fertility	Slums
General economic tables	Towns/villages directories and geo codes
Household	Villages by population size class
Houselisting and Housing Census data	Town district
Languages	Village district
Marital status	Workers

PCA (Primary Census Abstract): For normal household, houseless & institutional household, female-headed household, other sex household, sc-st household, slum household, rural & urban area wise (India, state, dist, sub-dist, town, village, or ward in a town), census district block wise.

List of variables in PCA are:

List of variables in PCA
Number of households
Population
Population 0-6 years old
Population of scheduled castes
Population of scheduled tribes
Population - Literate
Population - Illiterate
Workers
Main worker
Main worker, cultivator
Main worker, agricultural labourer
Main worker, household industry
Main worker, other
Marginal worker
Marginal worker, cultivator
Marginal worker, agricultural labourer
Marginal worker, household industry
Marginal worker, other
Marginal worker (3 to 6 months)
Marginal worker (3 to 6 months), cultivator
Marginal worker (3 to 6 months), agricultural labourer
Marginal worker (3 to 6 months), household industry
Marginal worker (3 to 6 months), other
Marginal worker (0 to 3 months)
Marginal worker (0 to 3 months), cultivator
Marginal worker (0 to 3 months), agricultural labourer
Marginal worker (0 to 3 months), household industry
Marginal worker (0 to 3 months), other
Non worker

DCHB (District Census Handbook): The District Census Handbook (DCHB) is one of the important publication of Census Organization used in the context of planning and development at gross-root level. The publication, which is brought out for each district, contains several demographic and socio-economic characteristics

villagewise and town-wise of the district along with the status of availability of civic amenities, infrastructural facilities, etc.

WORKSTATION'S DATA USAGE POLICY:

- The researcher should show a valid Identity card at the time of arrival.
- The researcher has to work under the supervision in the CDRW during office hours.
- Security of data has to be ensured. Copying of data will not be permitted.
- Only final outputs from the research, after vetting from the Committee, will be allowed to be printed and taken out.
- The workstation will not be connected to the internet.

OTHER FACILITIES AND RESOURCES:

The Census Data Research Workstation is fully equipped with all the facilities for research on confidential microdata from Census 2001, Census 2011 & onwards.

- **Environment:** Fully air-conditioned, comfortable working environment.
- **Equipment:** Network of computer terminals, Server for accessing data, UPS backup.
- **Software:** SPSS, Excel for data analysis.
- **Support:** Dedicated staff to assist with data access and research guidance.

DATA ACCESS PROCEDURE: This process includes,

- Interested candidates should submit a research proposal in the prescribed format to CDRW via email: **cdrw@unishivaji.an.in** (format is available at university website https://www.unishivaji.ac.in/cdrw/).

- The submitted proposal will be reviewed by Steering Committee to ensure responsible data use. Once it approved, computer terminal and data will be made available to researcher for analysis.

- Researchers are allowed to process the microdata using the available software in the workstation and generate tables for their research. Only computer print-outs of the generated tables are permitted to be taken out of the workstation.

- Researchers must submit copies of their final paper/thesis (hard & soft) to CDRW.

WHO IS ELIGIBLE TO APPLY?

The facility is open to all including those who are not enrolled or part of the University. UG/PG/Doctoral students, teachers, researchers, policymakers, & any other person undertaking research can apply.

STEERING COMMITTEE FOR PROPOSAL EVALUATION:

A dedicated steering committee plays a crucial role in evaluating the research proposals submitted at the workstation by scholars, students, or any other person undertaking research. This committee ensures that all proposals meet the criteria for responsible data utilization and contribute to valuable research endeavours. Following are the steering committee members.

- Prof. S. B. Mahadik, Head, Department of Statistics, and Sole In-charge of this workstation.
- Prof. P. R. Pawar, Head, Department of Political Science.
- Shri. Y. S. Patil, Joint Director, DCOs Maharashtra.
- Shri. K. A. Gurav, Deputy Director, DCOs Maharashtra.

LOCATION:
Census Data Research Workstation, Department of Statistics, Shivaji University, Vidyanagar, Kolhapur, Maharashtra 416004.

CONTACT:

1. **Dr. S. B. Mahadik,** Professor & Head, Department of Statistics, and Sole In-charge of CDRW, SUK.
2. **Dr. S. D. Pawar,** Assistant Professor, Department of Statistics, SUK.
   Phone: 0231-2609243, **Email:** cdrw@unishivaji.ac.in

IMPORTANT LINKS:

1. Research Proposal Request Form (Click Here)
2. CDRW Website: https://www.unishivaji.ac.in/cdrw/
3. Shivaji University Website: https://www.unishivaji.ac.in/
4. ORG & CCI official website: https://censusindia.gov.in/census.website/
5. DCOs official website: https://maharashtra.census.gov.in/

Shivaji University, Kolhapur
Census Data Research Workstation
Research Proposal Request Form

1. Name of the Researcher: ………………………………………………
2. Designation: ……………………………..
3. Institution Name: …………………………………………………………………………………….
4. Email Address: …………………………   Phone Number: ………………………………………
5. Research Area:…………………………………………………………………………………………….
6. Title of the Project:………………………………………………………………………………………..
7. Purpose of the Research (Briefly explain the research objectives and significance):
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8. Describe Required Data/ Variables (Briefly): …………………………….....…..........................
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9. Expected Completion Date of Research Project: ……………………….
10. Attach the Research Proposal or Supporting Document.
11. The data will be used solely for academic/research purpose?   Yes( )   No ( )
12. Attach a Letter of Recommendation (if applicable).
13. Declaration: I hereby declare that,
    i. I have read & agreed to the workstation's data usage policy
    ii. Data will be used responsibly and solely for analysis purposes.
    iii. The information provided is accurate to the best of my knowledge and the

Signature of the Applicant

Forwarding remark of the research supervisors (in case of student):

--- **Office use only**---
Remark of Steering Committee

Member 1   Member 2   Member 3   Member 4