**DATASET PREPROCESSING: MARGINAL WORKERS IN TAMILNADU**

DESCRIPTION:

Preprocessing a dataset of marginal workers involves several steps to clean and prepare the data for analysis or machine learning. Marginal workers are individuals who engage in irregular or part-time employment.

The common preprocessing steps involved in dataset of Marginal Workers that we might need to follow are listed below:

1. **Data Collection:**

* Gather the dataset containing information about marginal workers. Ensure that the data is in a structured format, such as a CSV, Excel file, or a database.

2. **Data Inspection:**

* Explore the dataset to understand its structure, column names, and the types of data it contains. Check for missing values, outliers, and inconsistencies.

3. **Data Cleaning:**

* Handle missing values by either imputing them or removing rows with missing data, depending on the significance of missing values.
* Identify and address outliers that might distort the analysis.
* Correct any data inconsistencies or errors, such as typos or incorrect entries.

4. **Data Transformation:**

* Convert data types if necessary. For example, dates might need to be converted to a consistent format.
* Encode categorical variables, such as gender or occupation, using one-hot encoding or label encoding.
* Scale numerical features if needed, especially when using machine learning algorithms that are sensitive to feature scaling.

5. **Feature Selection:**

* Select the relevant features (columns) that are important for your analysis or modeling. Remove unnecessary or redundant features to reduce dimensionality.

6. **Data Splitting:**

* If you plan to build a predictive model, split the data into training and testing sets to assess the model's performance.

7. **Data Encoding:**

* If your dataset contains textual data, perform text preprocessing, which may include tokenization, lowercasing, and removing stop words or special characters.

8. **Handling Imbalanced Data:**

* If the dataset is imbalanced, meaning there are significantly more samples of one class than the other, consider using techniques like oversampling, undersampling, or synthetic data generation to balance the data.

9. **Normalization or Standardization:**

* Depending on your analysis or modeling approach, you may need to normalize or standardize the data to bring all features to a similar scale.

10. **Handling Time Series Data:**

* If your dataset includes time series data, you may need to perform time-based operations, such as resampling, to handle time-related aspects effectively.

11. **Data Visualization:**

* Create visualizations to gain insights into the data distribution, relationships between variables, and other patterns that can inform your analysis.

12. **Handling Outliers:**

* Address outliers by applying techniques like winsorization, clipping, or using robust statistical methods.

13. **Data Splitting:**

* Split the data into training, validation, and test sets if you are building predictive models. Cross-validation may also be used to assess model performance.

14. **Save Preprocessed Data:**

* Save the preprocessed dataset in a suitable format for further analysis or modeling, so that you can work with clean data in future steps.

15. **Documentation:**

* Document all the preprocessing steps and decisions made. This documentation is crucial for reproducibility and explaining your data preprocessing choices to others.

Remember that the specific preprocessing steps may vary depending on the nature of the dataset and the goals of the analysis or modeling. It's essential to tailor these steps to your specific use case and data requirements.

PROGRAM:

Preprocessing a dataset of marginal workers involves several steps, including data loading, cleaning, and transformation. Below is a Python code example that demonstrates how to preprocess a dataset of marginal workers using the pandas library.

import pandas as pd

data = pd.read\_csv('Marginal\_workers.csv')

# Step 2: Data Cleaning

# Handle missing values and remove unnecessary columns

data.dropna(subset=['State Code,Agricultural labourers'], inplace=True)

data = data[[“Table Code,State Code,District Code,Area Name,Total/ Rural/ Urban,Age group,Worked for 3 months or more but less than 6 months - Persons,Worked for 3 months or more but less than 6 months - Males,Worked for 3 months or more but less than 6 months - Females,Worked for less than 3 months - Persons,Worked for less than 3 months - Males,Worked for less than 3 months - Females,Industrial Category - A - Cultivators - Persons,Industrial Category - A - Cultivators - Males,Industrial Category - A - Cultivators - Females,Industrial Category - A - Agricultural labourers - Persons,Industrial Category - A - Agricultural labourers - Males,Industrial Category - A - Agricultural labourers - Females,"Industrial Category - A - Plantation, Livestock, Forestry, Fishing, Hunting and allied activities - Persons","Industrial Category - A - Plantation, Livestock, Forestry, Fishing, Hunting and allied activities - Males","Industrial Category - A - Plantation, Livestock, Forestry, Fishing, Hunting and allied activities - Females",Industrial Category - B - Persons,Industrial Category - B - Males,Industrial Category - B - Females,Industrial Category - C - HHI - Persons,Industrial Category - C - HHI - Males,Industrial Category - C - HHI - Females,Industrial Category - C - Non HHI - Persons,Industrial Category - C - Non HHI - Males,Industrial Category - C - Non HHI - Females,Industrial Category - D & E - Persons,Industrial Category - D & E - Males,Industrial Category - D & E - Females,Industrial Category - F - Persons,Industrial Category - F - Males,Industrial Category - F - Females,Industrial Category - G - HHI - Persons,Industrial Category - G - HHI - Males,Industrial Category - G - HHI - Females,Industrial Category - G - Non HHI - Persons,Industrial Category - G - Non HHI - Males,Industrial Category - G - Non HHI - Females,Industrial Category - H - Persons,Industrial Category - H - Males,Industrial Category - H - Females,Industrial Category - I - Persons,Industrial Category - I - Males,Industrial Category - I - Females,Industrial Category - J - HHI - Persons,Industrial Category - J - HHI - Males,Industrial Category - J - HHI”]]

# Step 3: Data Transformation

# You can perform various transformations depending on your dataset's specific needs.

data = pd.get\_dummies(data, columns=[‘Area Name’])

# You can normalize numerical features using Min-Max scaling:

from sklearn.preprocessing import MinMaxScaler

scaler = MinMaxScaler()

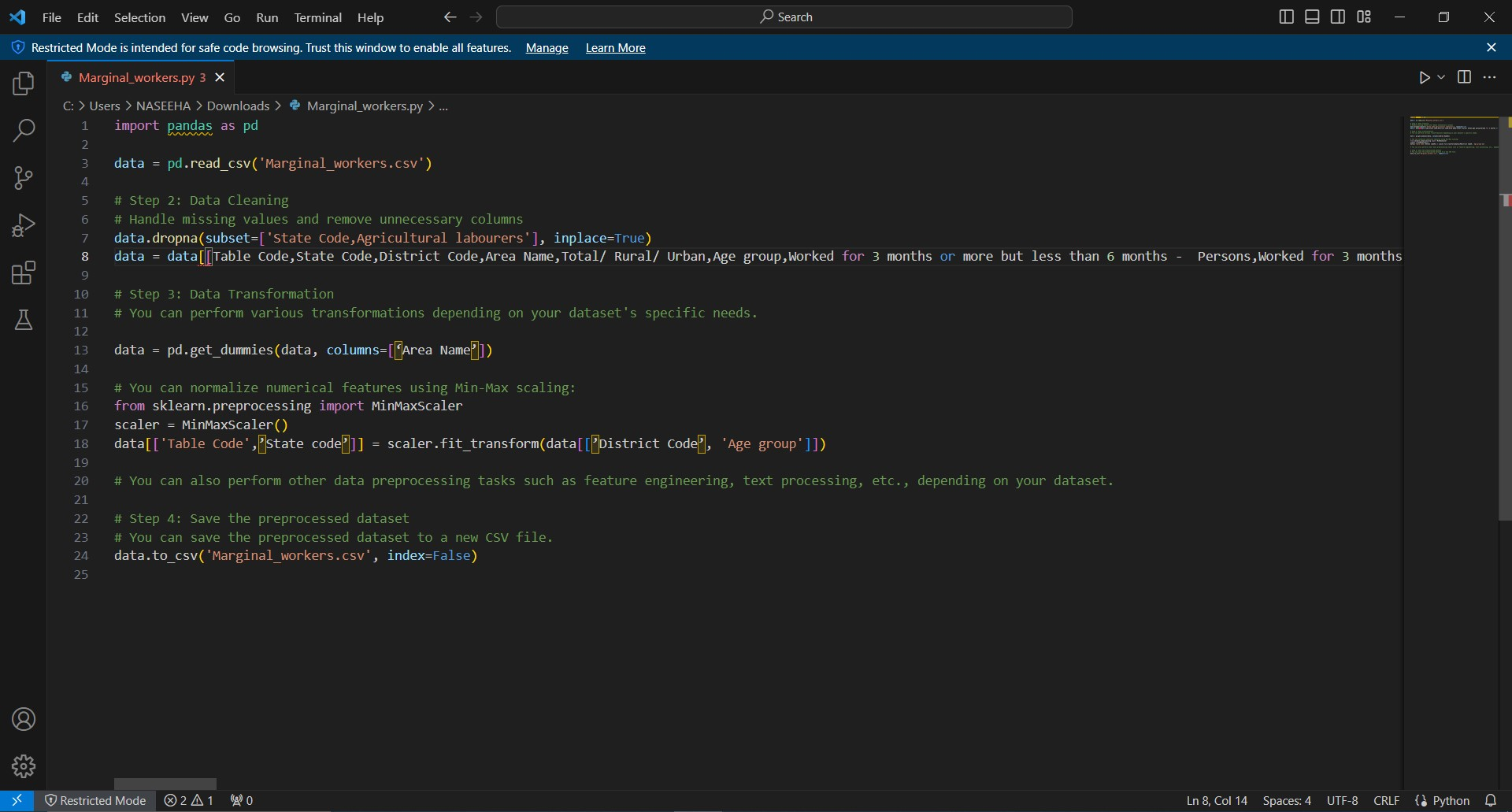
data[['Table Code',’State code’]] = scaler.fit\_transform(data[[’District Code’, 'Age group']])

# You can also perform other data preprocessing tasks such as feature engineering, text processing, etc., depending on your dataset.

# Step 4: Save the preprocessed dataset

# You can save the preprocessed dataset to a new CSV file.

data.to\_csv('Marginal\_workers.csv', index=False)



DATASET FOR PREPROCESSING:

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Table Code | State Code | District Code | Area Name | Total/ Rural/ Urban | Age group | Worked for 3 months or more but less than 6 months - Persons | Worked for 3 months or more but less than 6 months - Males | Worked for 3 months or more but less than 6 months - Females | Worked for less than 3 months - Persons | Worked for less than 3 months - Males | Worked for less than 3 months - Females | Industrial Category - A - Cultivators - Persons | Industrial Category - A - Cultivators - Males | Industrial Category - A - Cultivators - Females | Industrial Category - A - Agricultural labourers - Persons | Industrial Category - A - Agricultural labourers - Males | Industrial Category - A - Agricultural labourers - Females | Industrial Category - A - Plantation, Livestock, Forestry, Fishing, Hunting and allied activities - Persons | Industrial Category - A - Plantation, Livestock, Forestry, Fishing, Hunting and allied activities - Males | Industrial Category - A - Plantation, Livestock, Forestry, Fishing, Hunting and allied activities - Females | Industrial Category - B - Persons | Industrial Category - B - Males | Industrial Category - B - Females | Industrial Category - C - HHI - Persons | Industrial Category - C - HHI - Males | Industrial Category - C - HHI - Females | Industrial Category - C - Non HHI - Persons | Industrial Category - C - Non HHI - Males | Industrial Category - C - Non HHI - Females | Industrial Category - D & E - Persons | Industrial Category - D & E - Males | Industrial Category - D & E - Females | Industrial Category - F - Persons | Industrial Category - F - Males | Industrial Category - F - Females | Industrial Category - G - HHI - Persons | Industrial Category - G - HHI - Males | Industrial Category - G - HHI - Females | Industrial Category - G - Non HHI - Persons | Industrial Category - G - Non HHI - Males | Industrial Category - G - Non HHI - Females | Industrial Category - H - Persons | Industrial Category - H - Males | Industrial Category - H - Females | Industrial Category - I - Persons | Industrial Category - I - Males | Industrial Category - I - Females | Industrial Category - J - HHI - Persons | Industrial Category - J - HHI - Males | Industrial Category - J - HHI - Females | Industrial Category - J - Non HHI - Persons | Industrial Category - J - Non HHI - Males | Industrial Category - J - Non HHI - Females | Industrial Category - K to M - Persons | Industrial Category - K to M - Males | Industrial Category - K to M - Females | Industrial Category - N to O - Persons | Industrial Category - N to O - Males | Industrial Category - N to O - Females | Industrial Category - P to Q - Persons | Industrial Category - P to Q - Males | Industrial Category - P to Q - FemalesIndustrial Category - R to U - HHI - Persons Industrial Category - R to U - HHI - Males Industrial Category - R to U - HHI - Females Industrial Category - R to U - Non HHI - Persons Industrial Category - R to U - Non HHI - Males Industrial Category - R to U - Non HHI - Females |
| B0806SC | `33 | `000 | State - TAMIL NADU | Total | Total | 1200828 | 589003 | 611825 | 221386 | 99368 | 122018 | 64235 | 34632 | 29603 | 907752 | 404844 | 502908 | 29410 | 16268 | 13142 | 2853 | 1862 | 991 | 21486 | 7843 | 13643 | 62368 | 37520 | 24848 | 1909 | 1467 | 442 | 114053 | 65230 | 48823 | 100 | 97 | 3 | 23113 | 16287 | 6826 | 19708 | 19063 | 645 | 6188 | 4990 | 1198 | 65 | 52 | 13 | 2558 | 1856 | 702 | 3976 | 3400 | 576 | 12439 | 8874 | 3565 | 11080 | 4019 | 706116833 4266 12567 122088 55801 66287 |
| B0806SC | `33 | `000 | State - TAMIL NADU | Total | `5-14 | 27791 | 14125 | 13666 | 2447 | 1247 | 1200 | 1710 | 825 | 885 | 6398 | 3130 | 3268 | 190 | 107 | 83 | 9 | 9 | 0 | 182 | 67 | 115 | 818 | 383 | 435 | 3 | 3 | 0 | 567 | 415 | 152 | 0 | 0 | 0 | 326 | 257 | 69 | 86 | 84 | 2 | 35 | 32 | 3 | 0 | 0 | 0 | 18 | 15 | 3 | 9 | 9 | 0 | 33 | 22 | 11 | 122 | 71 | 51427 169 258 19305 9774 9531 |
| B0806SC | `33 | `000 | State - TAMIL NADU | Total | 15-34 | 514340 | 259560 | 254780 | 92423 | 43892 | 48531 | 24863 | 12711 | 12152 | 345420 | 152968 | 192452 | 9430 | 5443 | 3987 | 1174 | 839 | 335 | 9583 | 3115 | 6468 | 40249 | 23897 | 16352 | 852 | 692 | 160 | 51248 | 33746 | 17502 | 63 | 60 | 3 | 12963 | 9652 | 3311 | 12367 | 12049 | 318 | 3402 | 3053 | 349 | 51 | 40 | 11 | 2011 | 1414 | 597 | 2204 | 1807 | 397 | 6072 | 4318 | 1754 | 7536 | 2718 | 48188346 2127 6219 68929 32803 36126 |
| B0806SC | `33 | `000 | State - TAMIL NADU | Total | 35-59 | 542581 | 251957 | 290624 | 99202 | 40691 | 58511 | 29692 | 15927 | 13765 | 450052 | 192771 | 257281 | 15744 | 8230 | 7514 | 1436 | 860 | 576 | 9461 | 3526 | 5935 | 18976 | 11705 | 7271 | 926 | 698 | 228 | 53887 | 27084 | 26803 | 35 | 35 | 0 | 8356 | 5505 | 2851 | 6912 | 6624 | 288 | 2441 | 1708 | 733 | 11 | 9 | 2 | 468 | 371 | 97 | 1625 | 1454 | 171 | 5467 | 3848 | 1619 | 3205 | 1131 | 20746591 1487 5104 26498 9675 16823 |
| B0806SC | `33 | `000 | State - TAMIL NADU | Total | 60+ | 115103 | 62833 | 52270 | 27165 | 13465 | 13700 | 7930 | 5151 | 2779 | 105325 | 55730 | 49595 | 4028 | 2470 | 1558 | 234 | 154 | 80 | 2249 | 1127 | 1122 | 2252 | 1490 | 762 | 125 | 71 | 54 | 8257 | 3926 | 4331 | 2 | 2 | 0 | 1450 | 862 | 588 | 322 | 285 | 37 | 310 | 197 | 113 | 3 | 3 | 0 | 61 | 56 | 5 | 135 | 127 | 8 | 852 | 677 | 175 | 211 | 93 | 1181457 483 974 7065 3394 3671 |
| B0806SC | `33 | `000 | State - TAMIL NADU | Total | Age not stated | 1013 | 528 | 485 | 149 | 73 | 76 | 40 | 18 | 22 | 557 | 245 | 312 | 18 | 18 | 0 | 0 | 0 | 0 | 11 | 8 | 3 | 73 | 45 | 28 | 3 | 3 | 0 | 94 | 59 | 35 | 0 | 0 | 0 | 18 | 11 | 7 | 21 | 21 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 3 | 0 | 15 | 9 | 6 | 6 | 6 | 012 0 12 291 155 136 |
| B0806SC | `33 | `000 | State - TAMIL NADU | Rural | Total | 966645 | 459738 | 506907 | 174443 | 73663 | 100780 | 59637 | 32189 | 27448 | 824698 | 364131 | 460567 | 19758 | 11033 | 8725 | 1728 | 1191 | 537 | 15349 | 5526 | 9823 | 36310 | 21404 | 14906 | 859 | 716 | 143 | 74344 | 36221 | 38123 | 73 | 70 | 3 | 11608 | 8398 | 3210 | 10490 | 10243 | 247 | 3521 | 3028 | 493 | 42 | 42 | 0 | 928 | 694 | 234 | 1701 | 1425 | 276 | 4915 | 3371 | 1544 | 6147 | 2336 | 381111656 3166 8490 57324 28217 29107 |
| B0806SC | `33 | `000 | State - TAMIL NADU | Rural | `5-14 | 17239 | 8713 | 8526 | 1977 | 985 | 992 | 1443 | 684 | 759 | 6005 | 2922 | 3083 | 144 | 80 | 64 | 6 | 6 | 0 | 142 | 47 | 95 | 551 | 250 | 301 | 0 | 0 | 0 | 375 | 275 | 100 | 0 | 0 | 0 | 178 | 142 | 36 | 50 | 48 | 2 | 23 | 23 | 0 | 0 | 0 | 0 | 6 | 6 | 0 | 6 | 6 | 0 | 12 | 12 | 0 | 74 | 41 | 33285 115 170 9916 5041 4875 |
| B0806SC | `33 | `000 | State - TAMIL NADU | Rural | 15-34 | 406847 | 198575 | 208272 | 71974 | 31917 | 40057 | 22933 | 11766 | 11167 | 316885 | 138622 | 178263 | 6687 | 3909 | 2778 | 732 | 543 | 189 | 7023 | 2264 | 4759 | 24855 | 14506 | 10349 | 388 | 318 | 70 | 34045 | 20056 | 13989 | 50 | 47 | 3 | 7101 | 5431 | 1670 | 7510 | 7368 | 142 | 2255 | 2069 | 186 | 33 | 33 | 0 | 762 | 554 | 208 | 1010 | 810 | 200 | 2412 | 1684 | 728 | 4545 | 1720 | 28255885 1653 4232 33710 17139 16571 |
| B0806SC | `33 | `000 | State - TAMIL NADU | Rural | 35-59 | 444800 | 199573 | 245227 | 77922 | 29808 | 48114 | 27799 | 14887 | 12912 | 406147 | 172178 | 233969 | 10307 | 5468 | 4839 | 882 | 567 | 315 | 6487 | 2344 | 4143 | 9647 | 5860 | 3787 | 434 | 371 | 63 | 34121 | 13572 | 20549 | 23 | 23 | 0 | 3630 | 2386 | 1244 | 2826 | 2739 | 87 | 1100 | 835 | 265 | 9 | 9 | 0 | 124 | 98 | 26 | 648 | 574 | 74 | 2195 | 1464 | 731 | 1456 | 535 | 9214455 1033 3422 10432 4438 5994 |
| B0806SC | `33 | `000 | State - TAMIL NADU | Rural | 60+ | 97011 | 52498 | 44513 | 22446 | 10902 | 11544 | 7425 | 4835 | 2590 | 95151 | 50192 | 44959 | 2608 | 1564 | 1044 | 108 | 75 | 33 | 1689 | 863 | 826 | 1211 | 760 | 451 | 37 | 27 | 10 | 5749 | 2290 | 3459 | 0 | 0 | 0 | 686 | 428 | 258 | 86 | 70 | 16 | 143 | 101 | 42 | 0 | 0 | 0 | 36 | 36 | 0 | 37 | 35 | 2 | 287 | 208 | 79 | 66 | 34 | 321022 365 657 3116 1517 1599 |
| B0806SC | `33 | `000 | State - TAMIL NADU | Rural | Age not stated | 748 | 379 | 369 | 124 | 51 | 73 | 37 | 17 | 20 | 510 | 217 | 293 | 12 | 12 | 0 | 0 | 0 | 0 | 8 | 8 | 0 | 46 | 28 | 18 | 0 | 0 | 0 | 54 | 28 | 26 | 0 | 0 | 0 | 13 | 11 | 2 | 18 | 18 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 3 | 6 | 6 | 6 | 09 0 9 150 82 68 |
| B0806SC | `33 | `000 | State - TAMIL NADU | Urban | Total | 234183 | 129265 | 104918 | 46943 | 25705 | 21238 | 4598 | 2443 | 2155 | 83054 | 40713 | 42341 | 9652 | 5235 | 4417 | 1125 | 671 | 454 | 6137 | 2317 | 3820 | 26058 | 16116 | 9942 | 1050 | 751 | 299 | 39709 | 29009 | 10700 | 27 | 27 | 0 | 11505 | 7889 | 3616 | 9218 | 8820 | 398 | 2667 | 1962 | 705 | 23 | 10 | 13 | 1630 | 1162 | 468 | 2275 | 1975 | 300 | 7524 | 5503 | 2021 | 4933 | 1683 | 32505177 1100 4077 64764 27584 37180 |
| B0806SC | `33 | `000 | State - TAMIL NADU | Urban | `5-14 | 10552 | 5412 | 5140 | 470 | 262 | 208 | 267 | 141 | 126 | 393 | 208 | 185 | 46 | 27 | 19 | 3 | 3 | 0 | 40 | 20 | 20 | 267 | 133 | 134 | 3 | 3 | 0 | 192 | 140 | 52 | 0 | 0 | 0 | 148 | 115 | 33 | 36 | 36 | 0 | 12 | 9 | 3 | 0 | 0 | 0 | 12 | 9 | 3 | 3 | 3 | 0 | 21 | 10 | 11 | 48 | 30 | 18142 54 88 9389 4733 4656 |
| B0806SC | `33 | `000 | State - TAMIL NADU | Urban | 15-34 | 107493 | 60985 | 46508 | 20449 | 11975 | 8474 | 1930 | 945 | 985 | 28535 | 14346 | 14189 | 2743 | 1534 | 1209 | 442 | 296 | 146 | 2560 | 851 | 1709 | 15394 | 9391 | 6003 | 464 | 374 | 90 | 17203 | 13690 | 3513 | 13 | 13 | 0 | 5862 | 4221 | 1641 | 4857 | 4681 | 176 | 1147 | 984 | 163 | 18 | 7 | 11 | 1249 | 860 | 389 | 1194 | 997 | 197 | 3660 | 2634 | 1026 | 2991 | 998 | 19932461 474 1987 35219 15664 19555 |
| B0806SC | `33 | `000 | State - TAMIL NADU | Urban | 35-59 | 97781 | 52384 | 45397 | 21280 | 10883 | 10397 | 1893 | 1040 | 853 | 43905 | 20593 | 23312 | 5437 | 2762 | 2675 | 554 | 293 | 261 | 2974 | 1182 | 1792 | 9329 | 5845 | 3484 | 492 | 327 | 165 | 19766 | 13512 | 6254 | 12 | 12 | 0 | 4726 | 3119 | 1607 | 4086 | 3885 | 201 | 1341 | 873 | 468 | 2 | 0 | 2 | 344 | 273 | 71 | 977 | 880 | 97 | 3272 | 2384 | 888 | 1749 | 596 | 11532136 454 1682 16066 5237 10829 |
| B0806SC | `33 | `000 | State - TAMIL NADU | Urban | 60+ | 18092 | 10335 | 7757 | 4719 | 2563 | 2156 | 505 | 316 | 189 | 10174 | 5538 | 4636 | 1420 | 906 | 514 | 126 | 79 | 47 | 560 | 264 | 296 | 1041 | 730 | 311 | 88 | 44 | 44 | 2508 | 1636 | 872 | 2 | 2 | 0 | 764 | 434 | 330 | 236 | 215 | 21 | 167 | 96 | 71 | 3 | 3 | 0 | 25 | 20 | 5 | 98 | 92 | 6 | 565 | 469 | 96 | 145 | 59 | 86435 118 317 3949 1877 2072 |
| B0806SC | `33 | `000 | State - TAMIL NADU | Urban | Age not stated | 265 | 149 | 116 | 25 | 22 | 3 | 3 | 1 | 2 | 47 | 28 | 19 | 6 | 6 | 0 | 0 | 0 | 0 | 3 | 0 | 3 | 27 | 17 | 10 | 3 | 3 | 0 | 40 | 31 | 9 | 0 | 0 | 0 | 5 | 0 | 5 | 3 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 3 | 0 | 6 | 6 | 0 | 0 | 0 | 03 0 3 141 73 68 |
| B0806SC | `33 | `602 | District - Thiruvallur | Total | Total | 74448 | 39295 | 35153 | 15866 | 8004 | 7862 | 3066 | 1663 | 1403 | 42579 | 20345 | 22234 | 1519 | 1025 | 494 | 63 | 47 | 16 | 1529 | 755 | 774 | 8114 | 5484 | 2630 | 245 | 169 | 76 | 12187 | 6604 | 5583 | 12 | 12 | 0 | 1873 | 1223 | 650 | 2030 | 1951 | 79 | 447 | 336 | 111 | 13 | 11 | 2 | 335 | 239 | 96 | 426 | 392 | 34 | 1756 | 1320 | 436 | 770 | 242 | 5281220 336 884 12130 5145 6985 |
| B0806SC | `33 | `602 | District - Thiruvallur | Total | `5-14 | 2521 | 1284 | 1237 | 147 | 82 | 65 | 122 | 56 | 66 | 330 | 154 | 176 | 12 | 12 | 0 | 0 | 0 | 0 | 17 | 3 | 14 | 126 | 73 | 53 | 0 | 0 | 0 | 49 | 35 | 14 | 0 | 0 | 0 | 15 | 9 | 6 | 6 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 3 | 0 | 0 | 0 | 0 | 6 | 0 | 6 | 15 | 0 | 1538 21 17 1929 994 935 |
| B0806SC | `33 | `602 | District - Thiruvallur | Total | 15-34 | 33568 | 18049 | 15519 | 6529 | 3654 | 2875 | 1225 | 632 | 593 | 15591 | 7257 | 8334 | 570 | 387 | 183 | 27 | 21 | 6 | 649 | 337 | 312 | 5487 | 3630 | 1857 | 136 | 93 | 43 | 4866 | 2963 | 1903 | 6 | 6 | 0 | 870 | 662 | 208 | 1183 | 1142 | 41 | 237 | 201 | 36 | 5 | 5 | 0 | 263 | 177 | 86 | 209 | 197 | 12 | 946 | 724 | 222 | 494 | 183 | 311536 156 380 6797 2930 3867 |
| B0806SC | `33 | `602 | District - Thiruvallur | Total | 35-59 | 32568 | 16771 | 15797 | 7718 | 3529 | 4189 | 1414 | 792 | 622 | 22192 | 10446 | 11746 | 788 | 532 | 256 | 36 | 26 | 10 | 699 | 320 | 379 | 2310 | 1637 | 673 | 103 | 70 | 33 | 6312 | 3180 | 3132 | 6 | 6 | 0 | 834 | 479 | 355 | 805 | 774 | 31 | 188 | 127 | 61 | 8 | 6 | 2 | 66 | 56 | 10 | 193 | 171 | 22 | 729 | 531 | 198 | 243 | 59 | 184569 144 425 2791 944 1847 |
| B0806SC | `33 | `602 | District - Thiruvallur | Total | 60+ | 5716 | 3147 | 2569 | 1465 | 739 | 726 | 305 | 183 | 122 | 4441 | 2476 | 1965 | 149 | 94 | 55 | 0 | 0 | 0 | 164 | 95 | 69 | 173 | 136 | 37 | 6 | 6 | 0 | 951 | 423 | 528 | 0 | 0 | 0 | 154 | 73 | 81 | 30 | 23 | 7 | 22 | 8 | 14 | 0 | 0 | 0 | 3 | 3 | 0 | 21 | 21 | 0 | 75 | 65 | 10 | 18 | 0 | 1877 15 62 592 265 327 |
| B0806SC | `33 | `602 | District - Thiruvallur | Total | Age not stated | 75 | 44 | 31 | 7 | 0 | 7 | 0 | 0 | 0 | 25 | 12 | 13 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 18 | 8 | 10 | 0 | 0 | 0 | 9 | 3 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 00 0 0 21 12 9 |
| B0806SC | `33 | `602 | District - Thiruvallur | Rural | Total | 55577 | 28082 | 27495 | 12131 | 5653 | 6478 | 2804 | 1511 | 1293 | 39766 | 18860 | 20906 | 1262 | 852 | 410 | 38 | 26 | 12 | 1080 | 528 | 552 | 4748 | 3114 | 1634 | 160 | 98 | 62 | 8302 | 3556 | 4746 | 12 | 12 | 0 | 848 | 560 | 288 | 950 | 922 | 28 | 186 | 136 | 50 | 6 | 6 | 0 | 114 | 66 | 48 | 158 | 146 | 12 | 780 | 558 | 222 | 312 | 120 | 192708 202 506 5474 2462 3012 |
| B0806SC | `33 | `602 | District - Thiruvallur | Rural | `5-14 | 1424 | 743 | 681 | 114 | 61 | 53 | 99 | 43 | 56 | 319 | 149 | 170 | 12 | 12 | 0 | 0 | 0 | 0 | 12 | 0 | 12 | 104 | 62 | 42 | 0 | 0 | 0 | 44 | 30 | 14 | 0 | 0 | 0 | 6 | 0 | 6 | 6 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 0 | 618 10 8 912 492 420 |
| B0806SC | `33 | `602 | District - Thiruvallur | Rural | 15-34 | 23965 | 12377 | 11588 | 4713 | 2443 | 2270 | 1109 | 566 | 543 | 14527 | 6700 | 7827 | 484 | 326 | 158 | 18 | 12 | 6 | 468 | 242 | 226 | 3398 | 2210 | 1188 | 86 | 52 | 34 | 3204 | 1622 | 1582 | 6 | 6 | 0 | 372 | 314 | 58 | 588 | 580 | 8 | 112 | 92 | 20 | 0 | 0 | 0 | 84 | 46 | 38 | 98 | 98 | 0 | 456 | 350 | 106 | 222 | 102 | 120314 112 202 3132 1390 1742 |
| B0806SC | `33 | `602 | District - Thiruvallur | Rural | 35-59 | 25421 | 12417 | 13004 | 6104 | 2574 | 3530 | 1320 | 740 | 580 | 20723 | 9675 | 11048 | 650 | 444 | 206 | 20 | 14 | 6 | 456 | 202 | 254 | 1148 | 774 | 374 | 74 | 46 | 28 | 4336 | 1664 | 2672 | 6 | 6 | 0 | 412 | 214 | 198 | 346 | 330 | 16 | 66 | 42 | 24 | 6 | 6 | 0 | 30 | 20 | 10 | 60 | 48 | 12 | 288 | 178 | 110 | 82 | 18 | 64324 80 244 1178 490 688 |
| B0806SC | `33 | `602 | District - Thiruvallur | Rural | 60+ | 4718 | 2516 | 2202 | 1193 | 575 | 618 | 276 | 162 | 114 | 4175 | 2327 | 1848 | 116 | 70 | 46 | 0 | 0 | 0 | 144 | 84 | 60 | 82 | 60 | 22 | 0 | 0 | 0 | 712 | 240 | 472 | 0 | 0 | 0 | 58 | 32 | 26 | 4 | 0 | 4 | 8 | 2 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 36 | 30 | 6 | 2 | 0 | 252 0 52 246 84 162 |
| B0806SC | `33 | `602 | District - Thiruvallur | Rural | Age not stated | 49 | 29 | 20 | 7 | 0 | 7 | 0 | 0 | 0 | 22 | 9 | 13 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 16 | 8 | 8 | 0 | 0 | 0 | 6 | 0 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 00 0 0 6 6 0 |
| B0806SC | `33 | `602 | District - Thiruvallur | Urban | Total | 18871 | 11213 | 7658 | 3735 | 2351 | 1384 | 262 | 152 | 110 | 2813 | 1485 | 1328 | 257 | 173 | 84 | 25 | 21 | 4 | 449 | 227 | 222 | 3366 | 2370 | 996 | 85 | 71 | 14 | 3885 | 3048 | 837 | 0 | 0 | 0 | 1025 | 663 | 362 | 1080 | 1029 | 51 | 261 | 200 | 61 | 7 | 5 | 2 | 221 | 173 | 48 | 268 | 246 | 22 | 976 | 762 | 214 | 458 | 122 | 336512 134 378 6656 2683 3973 |
| B0806SC | `33 | `602 | District - Thiruvallur | Urban | `5-14 | 1097 | 541 | 556 | 33 | 21 | 12 | 23 | 13 | 10 | 11 | 5 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 3 | 2 | 22 | 11 | 11 | 0 | 0 | 0 | 5 | 5 | 0 | 0 | 0 | 0 | 9 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 3 | 0 | 0 | 0 | 0 | 6 | 0 | 6 | 9 | 0 | 920 11 9 1017 502 515 |
| B0806SC | `33 | `602 | District - Thiruvallur | Urban | 15-34 | 9603 | 5672 | 3931 | 1816 | 1211 | 605 | 116 | 66 | 50 | 1064 | 557 | 507 | 86 | 61 | 25 | 9 | 9 | 0 | 181 | 95 | 86 | 2089 | 1420 | 669 | 50 | 41 | 9 | 1662 | 1341 | 321 | 0 | 0 | 0 | 498 | 348 | 150 | 595 | 562 | 33 | 125 | 109 | 16 | 5 | 5 | 0 | 179 | 131 | 48 | 111 | 99 | 12 | 490 | 374 | 116 | 272 | 81 | 191222 44 178 3665 1540 2125 |
| B0806SC | `33 | `602 | District - Thiruvallur | Urban | 35-59 | 7147 | 4354 | 2793 | 1614 | 955 | 659 | 94 | 52 | 42 | 1469 | 771 | 698 | 138 | 88 | 50 | 16 | 12 | 4 | 243 | 118 | 125 | 1162 | 863 | 299 | 29 | 24 | 5 | 1976 | 1516 | 460 | 0 | 0 | 0 | 422 | 265 | 157 | 459 | 444 | 15 | 122 | 85 | 37 | 2 | 0 | 2 | 36 | 36 | 0 | 133 | 123 | 10 | 441 | 353 | 88 | 161 | 41 | 120245 64 181 1613 454 1159 |
| B0806SC | `33 | `602 | District - Thiruvallur | Urban | 60+ | 998 | 631 | 367 | 272 | 164 | 108 | 29 | 21 | 8 | 266 | 149 | 117 | 33 | 24 | 9 | 0 | 0 | 0 | 20 | 11 | 9 | 91 | 76 | 15 | 6 | 6 | 0 | 239 | 183 | 56 | 0 | 0 | 0 | 96 | 41 | 55 | 26 | 23 | 3 | 14 | 6 | 8 | 0 | 0 | 0 | 3 | 3 | 0 | 21 | 21 | 0 | 39 | 35 | 4 | 16 | 0 | 1625 15 10 346 181 165 |
| B0806SC | `33 | `602 | District - Thiruvallur | Urban | Age not stated | 26 | 15 | 11 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 2 | 0 | 0 | 0 | 3 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 00 0 0 15 6 9 |
| B0806SC | `33 | `603 | District - Chennai | Total | Total | 33748 | 19313 | 14435 | 6351 | 3954 | 2397 | 740 | 327 | 413 | 819 | 513 | 306 | 141 | 114 | 27 | 22 | 17 | 5 | 470 | 233 | 237 | 3529 | 2565 | 964 | 138 | 112 | 26 | 6234 | 5252 | 982 | 5 | 5 | 0 | 2366 | 1670 | 696 | 2509 | 2399 | 110 | 589 | 445 | 144 | 7 | 2 | 5 | 495 | 341 | 154 | 486 | 407 | 79 | 2380 | 1790 | 590 | 681 | 269 | 4121153 240 913 17335 6566 10769 |
| B0806SC | `33 | `603 | District - Chennai | Total | `5-14 | 2749 | 1483 | 1266 | 140 | 74 | 66 | 91 | 43 | 48 | 25 | 19 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 3 | 0 | 40 | 15 | 25 | 0 | 0 | 0 | 37 | 25 | 12 | 0 | 0 | 0 | 41 | 31 | 10 | 6 | 6 | 0 | 6 | 6 | 0 | 0 | 0 | 0 | 3 | 3 | 0 | 3 | 3 | 0 | 7 | 2 | 5 | 11 | 8 | 347 13 34 2569 1380 1189 |
| B0806SC | `33 | `603 | District - Chennai | Total | 15-34 | 17431 | 9836 | 7595 | 3102 | 1981 | 1121 | 379 | 153 | 226 | 390 | 236 | 154 | 48 | 36 | 12 | 6 | 6 | 0 | 163 | 99 | 64 | 2028 | 1454 | 574 | 49 | 44 | 5 | 2683 | 2313 | 370 | 2 | 2 | 0 | 1130 | 798 | 332 | 1164 | 1118 | 46 | 250 | 223 | 27 | 7 | 2 | 5 | 380 | 252 | 128 | 280 | 227 | 53 | 1186 | 837 | 349 | 389 | 151 | 238571 121 450 9428 3745 5683 |
| B0806SC | `33 | `603 | District - Chennai | Total | 35-59 | 11700 | 6993 | 4707 | 2656 | 1622 | 1034 | 219 | 108 | 111 | 341 | 220 | 121 | 81 | 66 | 15 | 8 | 5 | 3 | 276 | 120 | 156 | 1339 | 1008 | 331 | 75 | 56 | 19 | 3149 | 2648 | 501 | 3 | 3 | 0 | 1043 | 757 | 286 | 1272 | 1214 | 58 | 321 | 210 | 111 | 0 | 0 | 0 | 104 | 80 | 24 | 194 | 168 | 26 | 988 | 773 | 215 | 248 | 95 | 153435 88 347 4260 996 3264 |
| B0806SC | `33 | `603 | District - Chennai | Total | 60+ | 1799 | 966 | 833 | 442 | 266 | 176 | 50 | 23 | 27 | 62 | 37 | 25 | 12 | 12 | 0 | 8 | 6 | 2 | 25 | 11 | 14 | 115 | 86 | 29 | 11 | 9 | 2 | 354 | 257 | 97 | 0 | 0 | 0 | 147 | 84 | 63 | 64 | 58 | 6 | 12 | 6 | 6 | 0 | 0 | 0 | 8 | 6 | 2 | 9 | 9 | 0 | 196 | 175 | 21 | 33 | 15 | 18100 18 82 1035 420 615 |
| B0806SC | `33 | `603 | District - Chennai | Total | Age not stated | 69 | 35 | 34 | 11 | 11 | 0 | 1 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 3 | 7 | 2 | 5 | 3 | 3 | 0 | 11 | 9 | 2 | 0 | 0 | 0 | 5 | 0 | 5 | 3 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 3 | 0 | 0 | 0 | 00 0 0 43 25 18 |
| B0806SC | `33 | `603 | District - Chennai | Rural | Total | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 00 0 0 0 0 0 |
| B0806SC | `33 | `603 | District - Chennai | Rural | `5-14 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 00 0 0 0 0 0 |
| B0806SC | `33 | `603 | District - Chennai | Rural | 15-34 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 00 0 0 0 0 0 |
| B0806SC | `33 | `603 | District - Chennai | Rural | 35-59 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 00 0 0 0 0 0 |
| B0806SC | `33 | `603 | District - Chennai | Rural | 60+ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 00 0 0 0 0 0 |
| B0806SC | `33 | `603 | District - Chennai | Rural | Age not stated | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 00 0 0 0 0 0 |
| B0806SC | `33 | `603 | District - Chennai | Urban | Total | 33748 | 19313 | 14435 | 6351 | 3954 | 2397 | 740 | 327 | 413 | 819 | 513 | 306 | 141 | 114 | 27 | 22 | 17 | 5 | 470 | 233 | 237 | 3529 | 2565 | 964 | 138 | 112 | 26 | 6234 | 5252 | 982 | 5 | 5 | 0 | 2366 | 1670 | 696 | 2509 | 2399 | 110 | 589 | 445 | 144 | 7 | 2 | 5 | 495 | 341 | 154 | 486 | 407 | 79 | 2380 | 1790 | 590 | 681 | 269 | 4121153 240 913 17335 6566 10769 |
| B0806SC | `33 | `603 | District - Chennai | Urban | `5-14 | 2749 | 1483 | 1266 | 140 | 74 | 66 | 91 | 43 | 48 | 25 | 19 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 3 | 0 | 40 | 15 | 25 | 0 | 0 | 0 | 37 | 25 | 12 | 0 | 0 | 0 | 41 | 31 | 10 | 6 | 6 | 0 | 6 | 6 | 0 | 0 | 0 | 0 | 3 | 3 | 0 | 3 | 3 | 0 | 7 | 2 | 5 | 11 | 8 | 347 13 34 2569 1380 1189 |
| B0806SC | `33 | `603 | District - Chennai | Urban | 15-34 | 17431 | 9836 | 7595 | 3102 | 1981 | 1121 | 379 | 153 | 226 | 390 | 236 | 154 | 48 | 36 | 12 | 6 | 6 | 0 | 163 | 99 | 64 | 2028 | 1454 | 574 | 49 | 44 | 5 | 2683 | 2313 | 370 | 2 | 2 | 0 | 1130 | 798 | 332 | 1164 | 1118 | 46 | 250 | 223 | 27 | 7 | 2 | 5 | 380 | 252 | 128 | 280 | 227 | 53 | 1186 | 837 | 349 | 389 | 151 | 238571 121 450 9428 3745 5683 |
| B0806SC | `33 | `603 | District - Chennai | Urban | 35-59 | 11700 | 6993 | 4707 | 2656 | 1622 | 1034 | 219 | 108 | 111 | 341 | 220 | 121 | 81 | 66 | 15 | 8 | 5 | 3 | 276 | 120 | 156 | 1339 | 1008 | 331 | 75 | 56 | 19 | 3149 | 2648 | 501 | 3 | 3 | 0 | 1043 | 757 | 286 | 1272 | 1214 | 58 | 321 | 210 | 111 | 0 | 0 | 0 | 104 | 80 | 24 | 194 | 168 | 26 | 988 | 773 | 215 | 248 | 95 | 153435 88 347 4260 996 3264 |
| B0806SC | `33 | `603 | District - Chennai | Urban | 60+ | 1799 | 966 | 833 | 442 | 266 | 176 | 50 | 23 | 27 | 62 | 37 | 25 | 12 | 12 | 0 | 8 | 6 | 2 | 25 | 11 | 14 | 115 | 86 | 29 | 11 | 9 | 2 | 354 | 257 | 97 | 0 | 0 | 0 | 147 | 84 | 63 | 64 | 58 | 6 | 12 | 6 | 6 | 0 | 0 | 0 | 8 | 6 | 2 | 9 | 9 | 0 | 196 | 175 | 21 | 33 | 15 | 18100 18 82 1035 420 615 |
| B0806SC | `33 | `603 | District - Chennai | Urban | Age not stated | 69 | 35 | 34 | 11 | 11 | 0 | 1 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 3 | 7 | 2 | 5 | 3 | 3 | 0 | 11 | 9 | 2 | 0 | 0 | 0 | 5 | 0 | 5 | 3 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 3 | 0 | 0 | 0 | 00 0 0 43 25 18 |
| B0806SC | `33 | `604 | District - Kancheepuram | Total | Total | 92015 | 47269 | 44746 | 17692 | 8655 | 9037 | 4468 | 2578 | 1890 | 56786 | 26577 | 30209 | 2223 | 1406 | 817 | 275 | 190 | 85 | 2036 | 931 | 1105 | 8140 | 4914 | 3226 | 193 | 135 | 58 | 13872 | 7506 | 6366 | 0 | 0 | 0 | 1688 | 1079 | 609 | 2408 | 2344 | 64 | 680 | 470 | 210 | 2 | 2 | 0 | 305 | 228 | 77 | 362 | 305 | 57 | 1976 | 1346 | 630 | 900 | 371 | 5291408 356 1052 11985 5186 6799 |
| B0806SC | `33 | `604 | District - Kancheepuram | Total | `5-14 | 2540 | 1308 | 1232 | 114 | 49 | 65 | 111 | 50 | 61 | 317 | 159 | 158 | 22 | 8 | 14 | 0 | 0 | 0 | 6 | 0 | 6 | 52 | 26 | 26 | 0 | 0 | 0 | 55 | 27 | 28 | 0 | 0 | 0 | 22 | 12 | 10 | 9 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 3 | 0 | 0 | 0 | 0 | 6 | 6 | 0 | 3 | 3 | 010 8 2 2038 1046 992 |
| B0806SC | `33 | `604 | District - Kancheepuram | Total | 15-34 | 40080 | 20955 | 19125 | 7544 | 3942 | 3602 | 1649 | 894 | 755 | 20197 | 9250 | 10947 | 670 | 422 | 248 | 127 | 82 | 45 | 789 | 314 | 475 | 5907 | 3468 | 2439 | 70 | 43 | 27 | 5793 | 3433 | 2360 | 0 | 0 | 0 | 846 | 580 | 266 | 1455 | 1442 | 13 | 386 | 312 | 74 | 2 | 2 | 0 | 243 | 171 | 72 | 208 | 168 | 40 | 1060 | 728 | 332 | 553 | 241 | 312735 176 559 6934 3171 3763 |
| B0806SC | `33 | `604 | District - Kancheepuram | Total | 35-59 | 41279 | 20372 | 20907 | 8169 | 3701 | 4468 | 2147 | 1266 | 881 | 29662 | 13435 | 16227 | 1245 | 777 | 468 | 133 | 93 | 40 | 1032 | 486 | 546 | 2085 | 1359 | 726 | 117 | 89 | 28 | 6926 | 3552 | 3374 | 0 | 0 | 0 | 724 | 441 | 283 | 898 | 855 | 43 | 251 | 132 | 119 | 0 | 0 | 0 | 41 | 36 | 5 | 135 | 120 | 15 | 810 | 526 | 284 | 318 | 112 | 206577 139 438 2347 655 1692 |
| B0806SC | `33 | `604 | District - Kancheepuram | Total | 60+ | 7960 | 4538 | 3422 | 1850 | 956 | 894 | 552 | 366 | 186 | 6567 | 3716 | 2851 | 280 | 193 | 87 | 15 | 15 | 0 | 209 | 131 | 78 | 87 | 55 | 32 | 6 | 3 | 3 | 1082 | 487 | 595 | 0 | 0 | 0 | 96 | 46 | 50 | 40 | 32 | 8 | 43 | 26 | 17 | 0 | 0 | 0 | 18 | 18 | 0 | 19 | 17 | 2 | 100 | 86 | 14 | 20 | 9 | 1186 33 53 590 261 329 |
| B0806SC | `33 | `604 | District - Kancheepuram | Total | Age not stated | 156 | 96 | 60 | 15 | 7 | 8 | 9 | 2 | 7 | 43 | 17 | 26 | 6 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 6 | 3 | 0 | 0 | 0 | 16 | 7 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 6 | 00 0 0 76 53 23 |
| B0806SC | `33 | `604 | District - Kancheepuram | Rural | Total | 70150 | 34555 | 35595 | 13775 | 6273 | 7502 | 4083 | 2346 | 1737 | 52074 | 23986 | 28088 | 1614 | 964 | 650 | 128 | 92 | 36 | 1444 | 618 | 826 | 4930 | 2976 | 1954 | 90 | 56 | 34 | 9018 | 3962 | 5056 | 0 | 0 | 0 | 822 | 528 | 294 | 1286 | 1258 | 28 | 392 | 288 | 104 | 2 | 2 | 0 | 114 | 86 | 28 | 144 | 118 | 26 | 1018 | 620 | 398 | 480 | 240 | 2401050 282 768 5236 2406 2830 |
| B0806SC | `33 | `604 | District - Kancheepuram | Rural | `5-14 | 1273 | 638 | 635 | 84 | 27 | 57 | 83 | 34 | 49 | 296 | 147 | 149 | 22 | 8 | 14 | 0 | 0 | 0 | 6 | 0 | 6 | 34 | 20 | 14 | 0 | 0 | 0 | 42 | 16 | 26 | 0 | 0 | 0 | 18 | 12 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 06 6 0 850 422 428 |
| B0806SC | `33 | `604 | District - Kancheepuram | Rural | 15-34 | 29666 | 14837 | 14829 | 5744 | 2818 | 2926 | 1504 | 819 | 685 | 18566 | 8322 | 10244 | 506 | 308 | 198 | 64 | 38 | 26 | 552 | 202 | 350 | 3784 | 2236 | 1548 | 24 | 2 | 22 | 3838 | 1936 | 1902 | 0 | 0 | 0 | 444 | 302 | 142 | 866 | 862 | 4 | 268 | 222 | 46 | 2 | 2 | 0 | 100 | 72 | 28 | 114 | 88 | 26 | 552 | 358 | 194 | 332 | 182 | 150604 154 450 3290 1550 1740 |
| B0806SC | `33 | `604 | District - Kancheepuram | Rural | 35-59 | 32392 | 15231 | 17161 | 6382 | 2660 | 3722 | 1979 | 1154 | 825 | 27085 | 12079 | 15006 | 912 | 534 | 378 | 58 | 48 | 10 | 714 | 312 | 402 | 1074 | 696 | 378 | 66 | 54 | 12 | 4322 | 1698 | 2624 | 0 | 0 | 0 | 322 | 200 | 122 | 392 | 376 | 16 | 104 | 54 | 50 | 0 | 0 | 0 | 2 | 2 | 0 | 24 | 24 | 0 | 436 | 238 | 198 | 138 | 52 | 86380 98 282 766 272 494 |
| B0806SC | `33 | `604 | District - Kancheepuram | Rural | 60+ | 6687 | 3765 | 2922 | 1550 | 761 | 789 | 508 | 337 | 171 | 6089 | 3425 | 2664 | 168 | 108 | 60 | 6 | 6 | 0 | 172 | 104 | 68 | 32 | 18 | 14 | 0 | 0 | 0 | 808 | 310 | 498 | 0 | 0 | 0 | 38 | 14 | 24 | 22 | 14 | 8 | 20 | 12 | 8 | 0 | 0 | 0 | 12 | 12 | 0 | 6 | 6 | 0 | 30 | 24 | 6 | 4 | 0 | 460 24 36 262 112 150 |
| B0806SC | `33 | `604 | District - Kancheepuram | Rural | Age not stated | 132 | 84 | 48 | 15 | 7 | 8 | 9 | 2 | 7 | 38 | 13 | 25 | 6 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 6 | 0 | 0 | 0 | 0 | 8 | 2 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 6 | 00 0 0 68 50 18 |
| B0806SC | `33 | `604 | District - Kancheepuram | Urban | Total | 21865 | 12714 | 9151 | 3917 | 2382 | 1535 | 385 | 232 | 153 | 4712 | 2591 | 2121 | 609 | 442 | 167 | 147 | 98 | 49 | 592 | 313 | 279 | 3210 | 1938 | 1272 | 103 | 79 | 24 | 4854 | 3544 | 1310 | 0 | 0 | 0 | 866 | 551 | 315 | 1122 | 1086 | 36 | 288 | 182 | 106 | 0 | 0 | 0 | 191 | 142 | 49 | 218 | 187 | 31 | 958 | 726 | 232 | 420 | 131 | 289358 74 284 6749 2780 3969 |
| B0806SC | `33 | `604 | District - Kancheepuram | Urban | `5-14 | 1267 | 670 | 597 | 30 | 22 | 8 | 28 | 16 | 12 | 21 | 12 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 18 | 6 | 12 | 0 | 0 | 0 | 13 | 11 | 2 | 0 | 0 | 0 | 4 | 0 | 4 | 9 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 3 | 0 | 0 | 0 | 0 | 6 | 6 | 0 | 3 | 3 | 04 2 2 1188 624 564 |
| B0806SC | `33 | `604 | District - Kancheepuram | Urban | 15-34 | 10414 | 6118 | 4296 | 1800 | 1124 | 676 | 145 | 75 | 70 | 1631 | 928 | 703 | 164 | 114 | 50 | 63 | 44 | 19 | 237 | 112 | 125 | 2123 | 1232 | 891 | 46 | 41 | 5 | 1955 | 1497 | 458 | 0 | 0 | 0 | 402 | 278 | 124 | 589 | 580 | 9 | 118 | 90 | 28 | 0 | 0 | 0 | 143 | 99 | 44 | 94 | 80 | 14 | 508 | 370 | 138 | 221 | 59 | 162131 22 109 3644 1621 2023 |
| B0806SC | `33 | `604 | District - Kancheepuram | Urban | 35-59 | 8887 | 5141 | 3746 | 1787 | 1041 | 746 | 168 | 112 | 56 | 2577 | 1356 | 1221 | 333 | 243 | 90 | 75 | 45 | 30 | 318 | 174 | 144 | 1011 | 663 | 348 | 51 | 35 | 16 | 2604 | 1854 | 750 | 0 | 0 | 0 | 402 | 241 | 161 | 506 | 479 | 27 | 147 | 78 | 69 | 0 | 0 | 0 | 39 | 34 | 5 | 111 | 96 | 15 | 374 | 288 | 86 | 180 | 60 | 120197 41 156 1581 383 1198 |
| B0806SC | `33 | `604 | District - Kancheepuram | Urban | 60+ | 1273 | 773 | 500 | 300 | 195 | 105 | 44 | 29 | 15 | 478 | 291 | 187 | 112 | 85 | 27 | 9 | 9 | 0 | 37 | 27 | 10 | 55 | 37 | 18 | 6 | 3 | 3 | 274 | 177 | 97 | 0 | 0 | 0 | 58 | 32 | 26 | 18 | 18 | 0 | 23 | 14 | 9 | 0 | 0 | 0 | 6 | 6 | 0 | 13 | 11 | 2 | 70 | 62 | 8 | 16 | 9 | 726 9 17 328 149 179 |
| B0806SC | `33 | `604 | District - Kancheepuram | Urban | Age not stated | 24 | 12 | 12 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 3 | 0 | 0 | 0 | 8 | 5 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 00 0 0 8 3 5 |
| B0806SC | `33 | `605 | District - Vellore | Total | Total | 71695 | 36863 | 34832 | 16846 | 7753 | 9093 | 2189 | 1163 | 1026 | 44173 | 20374 | 23799 | 2403 | 1447 | 956 | 69 | 46 | 23 | 3035 | 1096 | 1939 | 8674 | 5169 | 3505 | 105 | 91 | 14 | 13256 | 6602 | 6654 | 6 | 3 | 3 | 1933 | 1478 | 455 | 1564 | 1523 | 41 | 533 | 445 | 88 | 7 | 7 | 0 | 216 | 160 | 56 | 337 | 306 | 31 | 935 | 663 | 272 | 921 | 336 | 5851160 293 867 7025 3414 3611 |
| B0806SC | `33 | `605 | District - Vellore | Total | `5-14 | 1220 | 659 | 561 | 118 | 46 | 72 | 56 | 28 | 28 | 178 | 81 | 97 | 6 | 0 | 6 | 0 | 0 | 0 | 27 | 13 | 14 | 61 | 19 | 42 | 0 | 0 | 0 | 45 | 27 | 18 | 0 | 0 | 0 | 17 | 17 | 0 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 3 | 621 3 18 916 512 404 |
| B0806SC | `33 | `605 | District - Vellore | Total | 15-34 | 31600 | 16601 | 14999 | 6926 | 3313 | 3613 | 802 | 397 | 405 | 16200 | 7122 | 9078 | 721 | 418 | 303 | 21 | 16 | 5 | 1286 | 375 | 911 | 5523 | 3182 | 2341 | 67 | 61 | 6 | 5718 | 3381 | 2337 | 6 | 3 | 3 | 973 | 773 | 200 | 957 | 941 | 16 | 276 | 262 | 14 | 7 | 7 | 0 | 170 | 122 | 48 | 187 | 169 | 18 | 434 | 307 | 127 | 645 | 242 | 403541 131 410 3992 2005 1987 |
| B0806SC | `33 | `605 | District - Vellore | Total | 35-59 | 32983 | 16164 | 16819 | 8137 | 3530 | 4607 | 1041 | 542 | 499 | 23034 | 10438 | 12596 | 1369 | 806 | 563 | 36 | 21 | 15 | 1484 | 588 | 896 | 2775 | 1747 | 1028 | 38 | 30 | 8 | 6620 | 2786 | 3834 | 0 | 0 | 0 | 827 | 619 | 208 | 585 | 562 | 23 | 233 | 165 | 68 | 0 | 0 | 0 | 38 | 30 | 8 | 139 | 128 | 11 | 444 | 315 | 129 | 245 | 85 | 160507 127 380 1705 705 1000 |
| B0806SC | `33 | `605 | District - Vellore | Total | 60+ | 5842 | 3417 | 2425 | 1650 | 857 | 793 | 288 | 194 | 94 | 4743 | 2723 | 2020 | 307 | 223 | 84 | 12 | 9 | 3 | 236 | 118 | 118 | 311 | 221 | 90 | 0 | 0 | 0 | 855 | 402 | 453 | 0 | 0 | 0 | 116 | 69 | 47 | 20 | 18 | 2 | 24 | 18 | 6 | 0 | 0 | 0 | 8 | 8 | 0 | 11 | 9 | 2 | 51 | 35 | 16 | 22 | 6 | 1688 32 56 400 189 211 |
| B0806SC | `33 | `605 | District - Vellore | Total | Age not stated | 50 | 22 | 28 | 15 | 7 | 8 | 2 | 2 | 0 | 18 | 10 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 0 | 4 | 0 | 4 | 0 | 0 | 0 | 18 | 6 | 12 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 6 | 0 | 0 | 0 | 03 0 3 12 3 9 |

The above dataset of Marginal Workers has to be analysed.

Analyzing a dataset of marginal workers can provide valuable insights into the employment and labor force dynamics in a particular region or country. Marginal workers are those who are employed for a shorter duration during the reference period. A general framework for analyzing the given dataset is given below:

1. **Data Understanding:**

* Start by understanding the dataset's structure, including the available columns, data types, and any metadata. You should also know the source and scope of the dataset.

2. **Descriptive Statistics:**

* Compute basic statistics for the dataset, such as mean, median, mode, standard deviation, and quartiles. This can provide an initial overview of the data.

3. **Data Visualization:**

* Create visualizations to better understand the distribution of marginal workers across different attributes. Consider using histograms, bar charts, pie charts, or box plots to represent the data.

4. **Demographics:**

* Analyze the demographic characteristics of marginal workers, including age, gender, education, and location. This can help identify trends in the workforce.

5. **Employment Duration:**

* Analyze the distribution of the duration of employment among marginal workers. Are there patterns in the duration of employment, such as seasonal or temporary work?

6. **Occupation and Industry:**

* Investigate the types of jobs or industries in which marginal workers are engaged. This can provide insights into the sectors that rely heavily on temporary labor.

7. **Geospatial Analysis:**

* If the dataset includes location information, perform geospatial analysis to understand the geographic distribution of marginal workers. Are there regions with a higher concentration of such workers?

8. **Income and Earnings:**

* Analyze the income and earnings of marginal workers. Are they earning significantly less than regular workers? Are there disparities in income among different subgroups of marginal workers?

9. **Education and Skill Level:**

* Examine the education and skill levels of marginal workers. Are they underemployed relative to their qualifications?

10. **Temporal Trends:**

* Explore temporal trends to identify any seasonality or changes in the employment patterns of marginal workers over time.

11. **Comparative Analysis:**

* Compare the characteristics of marginal workers with those of regular or full-time workers to identify differences and similarities.

12. **Correlation Analysis:**

* Identify correlations between different variables in the dataset. For example, are there correlations between age and income or education and employment duration?

13. **Predictive Modelling:**

* If your dataset is large and comprehensive, you may consider building predictive models to forecast the employment patterns of marginal workers or to identify factors that influence their employment duration.

14. **Policy Implications:**

* Consider the policy implications of your analysis. Are there policy changes that could improve the working conditions or opportunities for marginal workers?

15. **Ethical Considerations:**

* Ensure that your analysis is conducted ethically and that it respects the privacy and dignity of the workers in the dataset.

16. **Reporting and Visualization:**

* Communicate your findings effectively through reports and data visualizations. Use charts, graphs, and narratives to convey your insights.

It's important to keep in mind that the specific analysis will depend on the nature and scope of the given dataset. Additionally, contextual information about the region or country under consideration is crucial for interpreting the results of your analysis.

CONCLUSION:

In conclusion, our analysis of the dataset on marginal workers in Tamil Nadu sheds light on the challenges and opportunities faced by this segment of the labor force. In this analysis, we focused on preprocessing and analyzing a dataset of marginal workers in Tamil Nadu, India. The dataset provided valuable information about the employment patterns and characteristics of this vulnerable segment of the workforce.