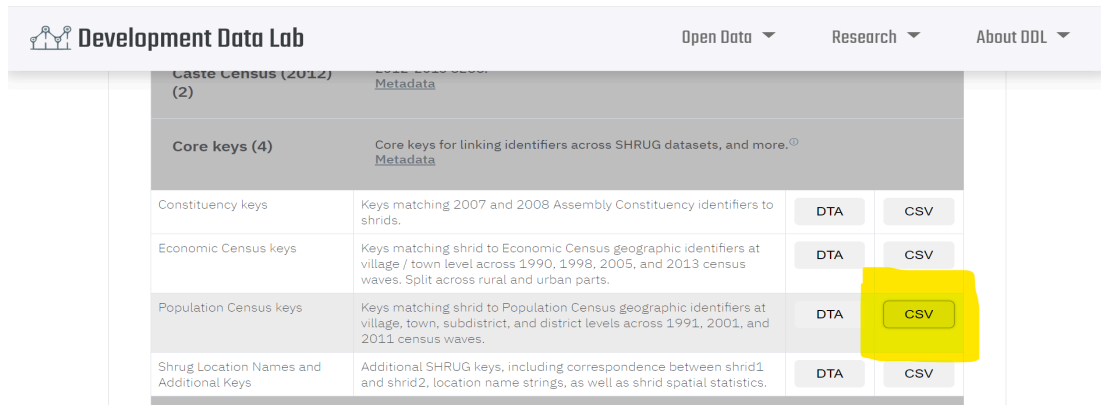


## SHRUG Mapping:

- a) Website: [https://www.devdatalab.org/shrug\\_download/](https://www.devdatalab.org/shrug_download/)
- b) Download Population Census Keys:



Caste Census (2012) (2)		Metadata	
Core keys (4)		Core keys for linking identifiers across SHRUG datasets, and more. <sup>Ⓢ</sup>	
Metadata			
Constituency keys	Keys matching 2007 and 2008 Assembly Constituency identifiers to shrids.	DTA	CSV
Economic Census keys	Keys matching shrid to Economic Census geographic identifiers at village / town level across 1990, 1998, 2005, and 2013 census waves. Split across rural and urban parts.	DTA	CSV
Population Census keys	Keys matching shrid to Population Census geographic identifiers at village, town, subdistrict, and district levels across 1991, 2001, and 2011 census waves.	DTA	CSV
Shrug Location Names and Additional Keys	Additional SHRUG keys, including correspondence between shrid1 and shrid2, location name strings, as well as shrid spatial statistics.	DTA	CSV

- **Data:** [https://drive.google.com/drive/folders/1wS1pwcPW3JP4d0UkcQl0n56-ERxfwgOH?usp=drive\\_link](https://drive.google.com/drive/folders/1wS1pwcPW3JP4d0UkcQl0n56-ERxfwgOH?usp=drive_link)

### c) SHRUG Mapping:

- Map 2001 rural villages (pc01r\_shrid\_key.csv) with 2011 rural villages (pc11r\_shrid\_key.csv) using 'shrid2'
- Similarly, map 2001 urban villages (pc01u\_shrid\_key.csv) with 2011 urban villages (pc11u\_shrid\_key.csv) using 'shrid2'
- Combine final rural and urban villages:

```
In [2]: shrug_mapping.columns
Out[2]:
Index(['shrid2', 'pc01_state_id', 'pc01_district_id', 'pc01_subdistrict_id',
      'pc01_land_area', 'pc01_pca_tot_p', 'pc11_state_id', 'pc11_district_id',
      'pc11_subdistrict_id', 'pc11_land_area', 'pc11_pca_tot_p',
      'Town/Village_01', 'Town/Village_11'],
      dtype='object')
```

- **Code:**  
[https://drive.google.com/file/d/1TM-s74YZxNnAt\\_ExTic3gNnCYq19fZVX/view?usp=drive\\_link](https://drive.google.com/file/d/1TM-s74YZxNnAt_ExTic3gNnCYq19fZVX/view?usp=drive_link)
- **SHRUG Mapping:**  
[https://drive.google.com/file/d/1UNKmS\\_gTr7Oc8ukI6B-Gwbz11yp-2Urv/view?usp=drive\\_link](https://drive.google.com/file/d/1UNKmS_gTr7Oc8ukI6B-Gwbz11yp-2Urv/view?usp=drive_link)

d) Add District name:

- District name from Census 2001:  
Link: <https://www.educationforallinindia.com/page163.html>
- Merge District names with each GEOJSON file
- **Code:** [https://drive.google.com/file/d/1iZOZd1\\_IOEIC2aGoiHUvwGPrsNAzoCYP/view?usp=drive\\_link](https://drive.google.com/file/d/1iZOZd1_IOEIC2aGoiHUvwGPrsNAzoCYP/view?usp=drive_link)
- **Data Folder:**  
[https://drive.google.com/drive/folders/1dbHGLhC5vzcamOXlnmkclgohhZBNitLj?usp=drive\\_link](https://drive.google.com/drive/folders/1dbHGLhC5vzcamOXlnmkclgohhZBNitLj?usp=drive_link)

e) Combine SHRUG and Shapefiles (Village Level):

- Based on shrug\_mapping.csv (Step 2), we will combine shrug and shapefile to form the final shapefiles. These shapefiles will contain village IDs of the year 2001, village IDs of the year 2011, the geometry of villages, and other metadata.
- **Code:** [https://drive.google.com/file/d/1DGHS2pzAx1zGdtKGuOaXK1SrDtN7BoMi/view?usp=drive\\_link](https://drive.google.com/file/d/1DGHS2pzAx1zGdtKGuOaXK1SrDtN7BoMi/view?usp=drive_link)
- **Final SHRUG folder:**  
[https://drive.google.com/drive/folders/1jYvJTlgwR4OeH05RrOOUMrrnNuJHMut3?usp=drive\\_link](https://drive.google.com/drive/folders/1jYvJTlgwR4OeH05RrOOUMrrnNuJHMut3?usp=drive_link)