

**Chief Ministers Of India Dataset**

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**Terms and Conditions**

This dataset contains information on the Chief Ministers of the States of India. The data has been carefully extracted and verified from official government websites which documents their names and tenure dates.

We table it in an orderly manner, to systematically place the information under variables such as name of the candidates, state/UT, start date of appointment, end date of appointment, days in office, delay in appointment, Appointment year, Assembly number, Constituency number, Constituency name, Poll number, pid, Name as in the TCPD dataset and the method used to match the data. The data also mentions the sources of information for each instance captured, so that users can verify the same.

We have provided the documentation process in the following sections which lists the various sources and how they were used to populate the data. Moreover, we have also listed detailed exceptions that we came across while populating and checking the dataset, clarifying the assumptions we have made.

**Table 1: Variable names, type, and labels**

|  |  |  |  |
| --- | --- | --- | --- |
| **No.** | **Variable Name** | **Variable Type** | **Variable Label** |
| 1 | Sl\_no | numeric | Serial number of the person in the dataset |
| 2 | state | string | Name of the state |
| 3 | name | string | Name of the official |
| 4 | start\_date | date | Date of notification of beginning of appointment |
| 5 | end\_date | date | Date of notification of appointment end |
| 6 | source | string | Official source of information |
| 7 | days\_in\_off | numeric | Duration of holding the office |
| 8 | delay\_apt | numeric | Duration from the End date of the previous office holder to the Start date of the current |
| 9 | appointment\_year | numeric | The year of appointment of the official |
| 10 | assembly\_no | numeric | The number of the assembly in which they were appointed |
| 11 | Constituency\_no | numeric | The number of the constituency where they won |
| 12 | Constituency\_name | string | Name of the constituency where they won |
| 13 | Poll\_no | numeric | The number of the poll in which they were elected |
| 14 | pid | alphanumeric | A unique id assigned to the officials according to Lokdhaba |
| 15 | Tcpd\_cm\_name | string | Name of the Official as in Lokdhaba |
| 16 | Administrative\_rule | logical | Determines if the period had President’s Rule or Governor's Rule imposed. |
| 17 | MLC | logical | Determines if the candidate in question in question was a part of the Legislative Council and not the State Assembly |
| 18 | month | numeric | Month in which election results were announced |
| 19 | DelimID | numeric | Delimitation number |
| 20 | position | numeric | The Position they secured in the elections for their constituency |
| 21 | gender | string | The gender/sex of the candidate |
| 22 | party | string | Acronym of the party that the candidate was a part of |
| 23 | votes | numeric | The number of votes secured by the candidate in the election |
| 24 | valid\_votes | numeric | Number of valid votes in the constituency |
| 25 | Constitueny\_type | string | The type of the constituency that the candidate won from |
| 26 | N\_candidates | numeric | The number of candidates that contested from that constituency |
| 27 | turnout\_percentage | numeric | The percentage turnout for the vote in the constituency |
| 28 | vote\_share\_percent | numeric | Percentage of votes won by the candidate in his constituency |
| 29 | deposit\_lost | logical | Did the candidate lose their deposit? |
| 30 | margin | numeric | Difference in votes between a candidate and 4the next ordered candidate (ordered by position) |
| 31 | margin\_percent | numeric | Percentage margin of a candidate in compared to the next position candidate |
| 32 | ENOP | numeric | Effective number of parties (derived from vote shares of each candidate in a constituency) |
| 33 | last\_poll | logical | Whether this poll was the last? |
| 34 | contested | numeric | The number of times a candidate has contested so far |
| 35 | last\_party | string | The name of the last party the candidate contested from |
| 36 | last\_constituency | string | Name of constituency this candidate contested from the last time |
| 37 | same\_party | string | Is the candidate contesting from the same party? |
| 38 | same\_constituency | string | Is the candidate contesting from the same constituency? |
| 39 | number\_t | numeric | Number of contests won by the candidate |
| 40 | turncoat | logical | Is this candidate a turncoat? |
| 41 | incumbent | logical | Is this candidate an incumbent? |
| 42 | recontested | logical | If this person contested in the last assembly or not? |
| 43 | method | string | Method used to name match the data with Lokdhaba |

**Table 2: Data Sources**

|  |  |  |
| --- | --- | --- |
| **No.** | **State/UT** | **Source** |
| 1 | Assam | http://assamassembly.gov.in/cm-list.html |
| 2 | Gujarat | https://gujaratindia.gov.in/about-gujarat/history-2.htm |
| 3 | Haryana | https://haryanacmoffice.gov.in/previous-chief-minister-of-haryana |
| 4 | Jammu and Kashmir | https://jkgad.nic.in/PDF/cmarchive.PDF |
| 5 | Karnataka | http://www.kla.kar.nic.in/prevcms.htm |
| 6 | Kerala | https://kerala.gov.in/chief-ministers-since-1957 |
| 7 | Rajasthan | https://rajassembly.nic.in/CMFormer.aspx |
| 8 | Tamil Nadu | http://www.assembly.tn.gov.in/history/cmlist.htm |
| 9 | Uttar Pradesh | http://up.gov.in/upexcms.aspx |
| 10 | Maharashtra | ﻿ |
| 11 | West Bengal | ﻿ |
| 12 | Madhya Pradesh | https://www.mpinfo.org/MPinfoStatic/English/whoiswho/cmlist.asp |
| 13 | Odisha | https://cm.odisha.gov.in/former-cms |
| 14 | Bihar |  |
| 15 | Uttarakhand | https://cm.uk.gov.in/pages/display/1160-exchief-ministers |
| 16 | Jharkhand |  |
| 17 | Himachal Pradesh |  |
| 18 | Mizoram | https://rajbhavan.mizoram.gov.in/page/chief-ministers-of-mizoram |
| 19 | Manipur |  |
| 20 | Nagaland | https://www.nagaland.gov.in/portal/portal/StatePortal/Government/ChiefMinister |
| 21 | Tripura | https://tripurainfo.com/AboutTripura/Tripura\_CMs.htm |
| 22 | Meghalaya | http://megassembly.gov.in/governors\_chiefministers.htm |
| 23 | Goa | https://www.dip.goa.gov.in/list-of-past-chief-ministers-of-goa.php |
| 24 | Telangana |  |
| 25 | Andhra Pradesh | http://ipr.ap.nic.in/release/ap\_cms.asp |
| 26 | Punjab |  |
| 27 | Arunachal Pradesh | http://www.arunachalipr.gov.in/?page\_id=329 |
| 28 | Sikkim | https://www.oneindia.com/list-of-chief-ministers-of-sikkim/ |

**Documentation Process**

For the data, the data sources were the official government websites of the states and union territories with domain names *gov* and *nic*. The data was further processed to combine it with the already existing Lok Dhaba Dataset. The steps for that included -

* The first run to match the Chief Ministers according to their names in their respective years through an algorithm by going through the electoral list of that particular state.
* After the first round of matchings there were majorly two kinds of data that were unmatched data - The ones with no matches, and ones with more than one match in a particular year.
* The multiple matches findings were dealt with by finding out the constituency they were elected from, and matching the data accordingly in the Lok Dhaba.
* The No Match Found names went through several levels of checks to either see if the Row was of a time period of President’s/Governor’s Rule or the candidate was an MLC ( Member of the Legislative Council), or found in the data set manually by going through various factors that might have caused the match to not happen in the first run.
* There Are still a few exceptional cases the details of which can be seen below

**Exceptions**

* **CM within a year before next assembly election -**

Andhra Pradesh -

* Sri K.Vijaya Bhaskara Reddy (20-09-1982 , 08-01-1983)

Arunachal Pradesh -

* Dorjee Khandu (10-04-2007 , 31-10-2011) : Replaced Gegong after resignation, and won elections in 2009 again (<https://economictimes.indiatimes.com/news/politics-and-nation/rebel-dorjee-khandu-upstages-veteran-apang-in-arunachal/articleshow/1882889.cms?from=mdr>)

Haryana -

* Shri Bhagwat Dayal Sharma (01-11-1966 , 10-03-1967 ; 11-03-1967 , 23-03-1967)

Meghalaya -

* Capt. W.A. Sangma (02-04-1970 , 21-01-1972 ) : Selected as interim CM before elections

Madhya Pradesh -

* Shri Shyamacharan Shukla (09-12-1989 , 04-03-1990)

Nagaland -

* ?P.Shilu Ao (01-12-1963 , 14-08-1966) : Selected as the first cm before the elections in 1964. (https://en.wikipedia.org/wiki/P.\_Shilu\_Ao)

Rajasthan -

* Barkatullah Khan (09-07-1971 , 11-10-1973) : Replaced ML Sukhadia (https://www.asianage.com/india/politics/270217/breaking-the-caste-barrier-in-rajasthan-politics.html)

Uttar Pradesh -

* Sri N.D. Tiwari (03-08-1984 , 10-03-1985)
* Ms. Mayawati (03-06-1995 , 17-10-1995)
* Sri Hemvati Nandan Bahuguna (08-11-1973 , 04-03-1974)
* **Still Not Found -**

Goa -

* Shri Manohar Parrikar (14-03-2017 , 17-03-2019)

Haryana -

* Shri Om Parkash Chautala (02-12-1989 , 22-05-1990 ; 12-07-1990 , 17-07-1990) : Could not find any compatible data ( Multiple CM Changes during this assembly - Son of choudhary devi lal - preceeding CM)

Kerala -

* ?Shri. A. K. Antony (27-04-1977 , 27-10-1978)

Meghalaya -

* Capt. W.A. Sangma (18-03-1972 , 21-11-1976 ; 22-11-1976 , 03-03-1978)

Madhya Pradesh -

* Shri Dwarka Prasad Mishra (30-09-1963 , 08-03-1967) : Possibly MLC

Nagaland -

* ?Dr.Shurhozelie? Liezietsu (22-02-2017 , 18-07-2017)

Sikkim -

* Sanchaman Limboo (17-06-1994 , 12-12-1994)
* Kazi Lhendup Dorjee (16-05-1975 , 18-08-1979)

Uttar Pradesh -

* Sri T N Singh (18-10-1970 , 03-04-1971) : Could not find any compatible data ( Multiple CM Changes during this assembly)
* **Special Cases -**

Arunachal Pradesh -

* P.K. Thungon (16-08-1975 , 06-09-1979) : 3 years gap between appointment date and first assembly elections for the state.

Haryana -

* Rao Birender Singh (16-07-1967 , 20-11-1967) : Defected as sitting MLA

Jammu and Kashmir -

* Dr Farooq Abdullah (08-09-1982 , 02-07-1984) : Upon the death of Sheikh Abdullah in September 1982, Farooq succeeded his father as the chief minister and as president of the JKNC. (https://www.britannica.com/biography/Farooq-Abdullah)

Mizoram -

* Laldenga (21-08-1986 , 19-02-1987) : Became state from union territory in 1987

Madhya Pradesh -

* Shri Kamal Nath (17-12-2018 , 22-03-2020) : this is a bypoll aparently (Missing from LokDhaba) (<https://economictimes.indiatimes.com/news/politics-and-nation/madhya-pradesh-cm-kamal-nath-takes-oath-as-mla/articleshow/69723615.cms>)

Odisha -

* Dr. Giridhar Gamang (17-02-1999 , 06-12-1999) : Probably an MP, who was also serving as a CM

Rajasthan -

* Bhairon Singh Shekhawat (22-06-1977 , 16-02-1980) : ECI data - Prem Singh is the winning candidate

Sikkim -

* Pawan Kumar Chamling (21-05-2004 , 20-05-2009) : Missing from Lokdhaba

Tamil Nadu -

* Dr. Kalaignar M Karunanidhi (10-02-1969 , 04-01-1971) : Elected for Madras
* Thirumathi Janaki Ramachandran (07-01-1988 , 30-01-1988) : 23 days before President's Rule imposed, not sitting MLA

Uttar Pradesh -

* Sri Ram Naresh yadav (23-06-1977 , 27-02-1979) : Winning Candidate on LD is named Ram Singh