

## Indian Administrative Services Dataset Codebook 1.0

<https://github.com/tcpd/ias-release>

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### Contents

Title	Page
1. Introduction	2
2. Terms and Conditions	3
3. Table 1: Variable names, type, and description for profile of IAS officers	4
4. Table 2: Variable names, type, and description for education details of IAS officers	6
5. Table 3: Variable names, type, and description for experience details of IAS officers	7
6. Table 4: Data Sources	9
7. Documentation Process	10
8. Exceptions	13

## 1. Introduction

This dataset contains information on the officers of the Indian Administrative Service (IAS). The data has been carefully extracted and verified from official government websites which documents their names and tenure dates. See Table 4 for the data sources.

We table it in an orderly manner, to systematically place the information under variables such as the unique IAS officer ID, name of the IAS officer, Service, Cadre, Allotment Year, Date of Birth, Date of Joining, Source of Recruitment, Gender, Place of Domicile, Mother Tongue, Languages Known, as well as variables around their experience history and educational qualifications. 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.

## 2. Terms and conditions

The TCPD-IAS dataset consists of information on all IAS officers from 1951 to 2020. The users are free to download, display or include the data in other products for non-commercial purposes at no cost subject to the following limitations:

**Data Citation:** "TCPD Indian Administrative Service Officers Dataset (TCPD-IAS), 1951-2020". Trivedi Centre for Political Data, Ashoka University.

**Codebook Citation:** Neelesh Agrawal, Vedant Jumle, Mohit Kumar, SV Sai Vikas. 2021. "TCPD Indian Administrative Service Officers Dataset (TCPD-IAS), 1951-2020 Codebook 1.0", Trivedi Centre for Political Data, Ashoka University.

**Acknowledgement:** The user must agree that the use of the Data presented within the application can be seen as the acknowledgement of unconditionally accepting the Terms of Use presented by the Centre.

**No Endorsement:** The user must not claim or imply that the Trivedi Centre for Political Data endorses the user's use of the data or use of the Centre's logo(s) or trademarks(s) in conjunction with the same.

**No Warranty:** The Centre makes no warranties with respect to the accuracy of the data. While we do our best to ensure that the numbers are accurate, there is room for error. And as such the user must agree that the Centre shall not be held responsible or liable to the user for any errors, omissions, misstatements and/or misrepresentations of the data though the user is encouraged to report the same to us ([send us a message](#) or write us at [tcpd-contact@ashoka.edu.in](mailto:tcpd-contact@ashoka.edu.in)).

**Personal data:** The Centre may record visits to the TCPD website without collecting the personal information of the users. The records shall be used for statistical reports only.

## 3. Table 1: Profile of IAS officers

No.	Variable Name	Variable Type	Variable Description
1	ID	string	Unique IDs given to the IAS officers.
2	Name	string	Name of the the IAS officer
3	Service	string	Service of the bureaucrat (in this case, it is Indian Administrative Service(IAS))
4	Cadre	string	State/Union territory to which the IAS officer was appointed
5	Allotment_Year	numeric	The year in which the IAS officer was allotted the state cadre.
6	Date_of_Birth	date	Date of Birth of the IAS officer. The format is: yyyy-mm-dd.
7	Date_of_Joining	date	Date of Joining of the IAS officer. The format is: yyyy-mm-dd.
8	Source_of_Recruitmment	string	Source of Recruitment of the IAS officer
9	Gender	string	Gender of the IAS officer
10	Place_of_Domicile	string	State in which the IAS officer holds a permanent residence
11	Mother_Tongue	string	Mother Tongue of the IAS officer
12	Languages_Known	string	Languages known by the IAS officer
13	Retired	logical	TRUE if retired, FALSE if active
14	Retirement_Reason	string	Reason for retirement of the IAS officer. This is NA if the officer is active.
16	Last_Education_Qualifi cation	string	Highest education qualification of the IAS officer.
17	Last_Education_Subject	string	Academic discipline in which the IAS officers acquired their highest education qualification.
18	Last_Education_Divisio n	string	Division in which the IAS officers secured their highest academic qualification.

19	Last_Designation	string	The last administrative position held by the IAS officer.
20	Last_Level	string	The last level of the administrative position held by the IAS officer
21	Last_Office	string	The last ministry or department or district where the IAS officer was working.
22	Last_Organisation	string	The last organisation where the officer was working.
23	Last_Field_of_Experience	string	This category shows the administrative department in which the IAS officer held the last designation.
24	Last_Category_of_Experience	string	This category shows the associated departments within the broad category for the Last_Field_of_Experience.
25	Last_Start_Date	date	Date of beginning of latest appointment. The format is: yyyy-mm-dd.
26	Last_End_Date	date	Date of the end of latest appointment. The format is: yyyy-mm-dd
15	Source	string	Website from which the data was extracted.

**4. Table 2: Education Details of IAS officers**

No.	Variable Name	Variable Type	Variable Description
1	ID	string	Unique IDs given to the IAS officers.
2	Name	string	Name of the bureaucrat i.e the IAS officer
3	Service	string	Service of the bureaucrat i.e Indian Administrative Service(IAS)
4	Cadre	string	State/Union territory to which the IAS was allotted
5	Reference_Value	numeric	These are numeric values assigned to the IAS officers qualifications. Value of "0" is assigned to the first level of qualification. For every increase in the level of qualification, values are assigned incrementally starting from 0.
6	Qualification	string	Education qualification of the IAS officer.
7	Subject	string	Academic discipline in which the IAS officers acquired their education qualifications.
8	Division	string	Division in which the IAS officers secured their academic qualifications.
9	Source	string	Website from which the data was extracted.

5. Table 3: Experience Details of IAS officers

No.	Variable Name	Variable Type	Variable Description
1	ID	string	Unique IDs given to the IAS officers.
2	Name	string	Name of the bureaucrat i.e the IAS officer
3	Service	string	Service of the bureaucrat i.e Indian Administrative Service(IAS)
4	Cadre	string	State/Union territory to which the IAS was allotted
5	Reference_Value	numeric	These are numeric values assigned to the IAS officers designation. Value of "0" is assigned to the highest designation held by the IAS officer. The values are assigned incrementally from 0 and assigned to each designation held by the IAS officer, ending with their first designation when they started their tenure.
6	Designation	string	Administrative position held by the IAS officer.
7	Level	string	Level of the administrative position held by the IAS officer
8	Office	string	The ministry or the department or the district where the IAS officer was working.
9	Organisation	string	The organisation where the officer was working.
10	Field_of_Experience	string	This category shows the administrative department in which the IAS officer held the designation.
11	Category_of_Experience	string	This category shows the associated departments within the broad category for the Field_of_Experience.

12	Start_Date	date	Date of beginning of appointment. The format is: yyyy-mm-dd
13	End_Date	date	Date of the end of appointment. The format is: yyyy-mm-dd
14	Source	string	Website from which the data was extracted.



**6. Table 4: Data Sources**

No.	Name of the source	Link to the Source
1.	Department of Personnel and Training (DOPT)	<a href="https://easy.nic.in/civilListIAS/YrCurr/FinalCL.asp">https://easy.nic.in/civilListIAS/YrCurr/FinalCL.asp</a>
2.	Supremo	<a href="https://supremo.nic.in/KnowYourOfficerIAS.aspx">https://supremo.nic.in/KnowYourOfficerIAS.aspx</a>

## 7. Documentation Process

For the data, the primary data sources were the official government websites with domain names *gov* and *nic* (as referred in table 4). The Department of Personnel and Training (DOPT) website provides data on the IAS officers who were appointed between the years 1983 to 2019 whereas the data collected from the Supremo website has the data of IAS officers who were appointed between 1951 to 2019.

Data from the [DOPT](#) & [Supremo](#) websites was scraped into tables. Both the datasets were merged to generate the final dataset.

The DOPT website has data only on the latest experience of the IAS officer. Therefore, when combining the datasets, entries in the Supremo dataset were considered to compare similar or duplicate entries.

### Formatting fixes:

1. An important part to the combining of the two dataset was the 'Identity No.' Identity No. is a unique alpha-numeric string that was assigned to each IAS officer. It is an 8-character long string where the first 2 characters are short-forms of the officer's cadre and the last 6 digits are numbers (Example: MH16100). In the combined dataset, the column called 'Officer IDs' contains all the relevant Identity Nos.
2. Some rows in the Supremo data refer to the same person. These rows are in the form of pairs where one row contains the information on education, while the other contains the information on experience. Both these rows were combined into one single row and the first 2-digits in the ID value were removed.
3. There were some instances where dates were written with '-' as the separator value. In such cases, '-' was replaced with '/'.
4. All filler entries like 'Not Found', 'Not applicable', etc. are replaced with 'N.A.' in the TCPD-IAS dataset.

The final dataset contains 11569 entries. It has been split into three tables for better comprehension.

1. `ias-profile.csv`:  
This is a csv file that contains the data that was scraped and cleaned. This does not include the education and experience details of the officers. There are 11569 rows in this dataset.
2. `ias-education.csv`:  
This is a csv file that has data on the educational background of the IAS officers. Every row contains information on one specific educational detail for each IAS officer.
3. `ias-experience.csv`:  
This is a csv file that has data on the past and the current experience of the IAS officers. Each row presents the information on the IAS officer's experience.

This data is also represented in a hierarchical json format, combining the three files. This allows more technically advanced users to only use one file to analyse the data. The format for the json file is as follows.

```
{
  "<ID>":{
    "Name": "",
    "Service": "",
    "Cadre": "",
    "Allotment_Year": "",
    "Date_of_Birth": "",
    "Date_of_Joining": "",
    "Source_of_Recruitment": "",
    "Gender": "",
    "Place_of_Domicile": "",
    "Mother_Tongue": "",
    "Languages_Known": "",
    "Retirement_Reason": "",
    "Source": "",
    "Education":[
      {
        "Qualification":"",
        "Subject":"",
        "Division":""
      },<repeat>
    ],
    "Experience":[
      {
        "Designation": "",
        "Level": "",
        "Office": "",
        "Organisation": "",
        "Major_Experience": "",
        "Minor_Experience": "",
        "Start_Date": "",
        "End_Date": ""
      },<repeat>
    ]
  },
  "<ID>":<repeat>
}
```

Example queries for the json file:

- officer[MH0123][Education][0][Qualification]  
This will return the first educational qualification for the officer with ID "MH0123"

- `officer[RJ1209][Experience][1][Organisation]`  
This will return the second organisation that the officer with ID "RJ1209" has worked with. (May give error if officer has held only one position)

## 8. Exceptions

- Detailed profile information for officers allotted in 2019 isn't available on the Supremo website.
- Unique entries taken from the DOPT dataset (about 1100) do not follow the labeled convention for the 'Period(from - to)' column, which is <date> - <date>. They just have one date value which indicates when the officer started on the post. This is because the DOPT dataset did not have an ending date for the period.
- Row number: **2560, 9210, 9246** do not have Date of Birth and Date of Joining
- Row number: **4687** has conflicting information on the allotment year and date of joining.