What number of languages speaks in India? and how to get for all languages .ttf file?

###### **ChatGPT said:**

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### **Number of Languages Spoken in India:**

India is one of the most linguistically diverse countries in the world. According to various sources, the number of languages spoken in India can vary depending on the criteria used:

1. **Total Languages**: According to the **People's Linguistic Survey of India**, there are over **780 languages** spoken in India. However, many of these are considered endangered or spoken by very few people.
2. **Scheduled Languages**: The **Constitution of India** recognizes **22 scheduled languages** under the Eighth Schedule, which includes major languages like Hindi, Bengali, Telugu, Marathi, Tamil, Urdu, Gujarati, and more.
3. **Non-Scheduled Languages**: Apart from the scheduled languages, there are hundreds of **non-scheduled languages** that are also spoken by various communities across the country.

### **How to Get .ttf Files for All Languages:**

To render text in different Indian languages (or any other language), you need the appropriate .ttf (TrueType Font) file that supports the character sets for those languages. One of the best sources for multilingual fonts, including Indian languages, is the **Google Noto Fonts** project.

#### **Steps to Get .ttf Files for Indian Languages:**

1. **Noto Fonts by Google**: The **Noto Fonts** project by Google is a comprehensive collection of fonts that support a wide range of scripts, including those used for Indian languages.
   * **Website**: Noto Fonts
   * **GitHub Repository**: [Noto Fonts GitHub](https://github.com/googlefonts/noto-fonts)
2. **Find Language-Specific .ttf Files**: For each Indian language, you can find the corresponding .ttf font under the Noto project.  
   Below are some common .ttf files for major Indian languages:
   * **Hindi (Devanagari script)**: NotoSansDevanagari-Regular.ttf
   * **Bengali**: NotoSansBengali-Regular.ttf
   * **Telugu**: NotoSansTelugu-Regular.ttf
   * **Tamil**: NotoSansTamil-Regular.ttf
   * **Kannada**: NotoSansKannada-Regular.ttf
   * **Gujarati**: NotoSansGujarati-Regular.ttf
   * **Malayalam**: NotoSansMalayalam-Regular.ttf
   * **Odia**: NotoSansOriya-Regular.ttf
   * **Punjabi (Gurmukhi script)**: NotoSansGurmukhi-Regular.ttf
   * **Urdu**: NotoNaskhUrdu-Regular.ttf
3. **Download Specific Fonts**:
   * Visit the Google Noto Fonts website.
   * In the filter or search bar, you can select or type the language you want.
   * Download the appropriate .ttf file for the language.
4. **Using .ttf Files in Applications**:
   * Once downloaded, you can use these .ttf files in your application (e.g., Kivy, PyQt) by specifying the path to the .ttf file when rendering text.

Example for Hindi (Devanagari):  
python  
Copy code  
font = ImageFont.truetype("NotoSansDevanagari-Regular.ttf", size=16)

### **List of .ttf Fonts for Indian Languages (Noto Family):**

| **Language** | **Script** | **Font File (Noto)** |
| --- | --- | --- |
| Hindi | Devanagari | NotoSansDevanagari-Regular.ttf |
| Bengali | Bengali | NotoSansBengali-Regular.ttf |
| Telugu | Telugu | NotoSansTelugu-Regular.ttf |
| Tamil | Tamil | NotoSansTamil-Regular.ttf |
| Kannada | Kannada | NotoSansKannada-Regular.ttf |
| Gujarati | Gujarati | NotoSansGujarati-Regular.ttf |
| Malayalam | Malayalam | NotoSansMalayalam-Regular.ttf |
| Odia | Odia | NotoSansOriya-Regular.ttf |
| Punjabi | Gurmukhi | NotoSansGurmukhi-Regular.ttf |
| Urdu | Naskh (Arabic) | NotoNaskhUrdu-Regular.ttf |
| Assamese | Bengali | NotoSansBengali-Regular.ttf |
| Konkani | Devanagari | NotoSansDevanagari-Regular.ttf |
| Maithili | Devanagari | NotoSansDevanagari-Regular.ttf |
| Sindhi | Devanagari/Arabic | NotoSansDevanagari-Regular.ttf / NotoNaskhArabic.ttf |

### **Conclusion:**

You can use Google Noto Fonts for Indian languages, which cover almost all Indian scripts and ensure proper rendering. Download the required .ttf file for each language and specify it in your application to handle text rendering for that language.

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##### **You said:**

wrtite all Indian states and state lnaguagae, language code and their .ttf file name 4 column table, state, language, language code, .ttf

###### **ChatGPT said:**

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Here’s a table listing all Indian states, their official languages, the language codes (ISO 639-1 where available), and their corresponding .ttf file name from the **Noto Fonts** family:

| **State** | **Language** | **Language Code** | **.ttf File Name** |
| --- | --- | --- | --- |
| Andhra Pradesh | Telugu | te | NotoSansTelugu-Regular.ttf |
| Arunachal Pradesh | English | en | NotoSans-Regular.ttf |
| Assam | Assamese | as | NotoSansBengali-Regular.ttf |
| Bihar | Hindi | hi | NotoSansDevanagari-Regular.ttf |
| Chhattisgarh | Hindi | hi | NotoSansDevanagari-Regular.ttf |
| Goa | Konkani | kok | NotoSansDevanagari-Regular.ttf |
| Gujarat | Gujarati | gu | NotoSansGujarati-Regular.ttf |
| Haryana | Hindi | hi | NotoSansDevanagari-Regular.ttf |
| Himachal Pradesh | Hindi | hi | NotoSansDevanagari-Regular.ttf |
| Jharkhand | Hindi | hi | NotoSansDevanagari-Regular.ttf |
| Karnataka | Kannada | kn | NotoSansKannada-Regular.ttf |
| Kerala | Malayalam | ml | NotoSansMalayalam-Regular.ttf |
| Madhya Pradesh | Hindi | hi | NotoSansDevanagari-Regular.ttf |
| Maharashtra | Marathi | mr | NotoSansDevanagari-Regular.ttf |
| Manipur | Meitei (Manipuri) | mni | NotoSansMeeteiMayek-Regular.ttf |
| Meghalaya | English | en | NotoSans-Regular.ttf |
| Mizoram | Mizo | lus | NotoSans-Regular.ttf |
| Nagaland | English | en | NotoSans-Regular.ttf |
| Odisha | Odia | or | NotoSansOriya-Regular.ttf |
| Punjab | Punjabi | pa | NotoSansGurmukhi-Regular.ttf |
| Rajasthan | Hindi | hi | NotoSansDevanagari-Regular.ttf |
| Sikkim | Nepali | ne | NotoSansDevanagari-Regular.ttf |
| Tamil Nadu | Tamil | ta | NotoSansTamil-Regular.ttf |
| Telangana | Telugu | te | NotoSansTelugu-Regular.ttf |
| Tripura | Bengali | bn | NotoSansBengali-Regular.ttf |
| Uttar Pradesh | Hindi | hi | NotoSansDevanagari-Regular.ttf |
| Uttarakhand | Hindi | hi | NotoSansDevanagari-Regular.ttf |
| West Bengal | Bengali | bn | NotoSansBengali-Regular.ttf |
| Jammu and Kashmir | Urdu | ur | NotoNaskhUrdu-Regular.ttf |
| Ladakh | Urdu | ur | NotoNaskhUrdu-Regular.ttf |

### **Union Territories:**

| **Union Territory** | **Language** | **Language Code** | **.ttf File Name** |
| --- | --- | --- | --- |
| Andaman and Nicobar | Hindi/English | hi/en | NotoSansDevanagari-Regular.ttf / NotoSans-Regular.ttf |
| Chandigarh | Punjabi/Hindi | pa/hi | NotoSansGurmukhi-Regular.ttf / NotoSansDevanagari-Regular.ttf |
| Dadra and Nagar Haveli | Gujarati/Hindi | gu/hi | NotoSansGujarati-Regular.ttf / NotoSansDevanagari-Regular.ttf |
| Lakshadweep | Malayalam | ml | NotoSansMalayalam-Regular.ttf |
| Delhi | Hindi | hi | NotoSansDevanagari-Regular.ttf |
| Puducherry | Tamil | ta | NotoSansTamil-Regular.ttf |

### **Notes:**

* Some states have more than one official language, but the table lists the most prominent one.
* The .ttf files are part of the **Noto Fonts** project, which provides support for most of these Indian languages. You can download these fonts from Google Noto Fonts.