

Kalmasoft

Names Advanced Processing Technology (NAP)

Personal Names Classification Module

Web Application Quick Reference

Link to file: https://kalmasoft.com/KNAP/Kalmasoft_Personal_Names_Classification_System.pdf

Sample output: <https://kalmasoft.com/KLEX/dbsamples.htm#napsamples>

Updated: May 15 2026

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Classification Module's GUI Input

Personal Names Classification

Home / Names / Classification

Settings

Source language
English

Source transsystem
Non-Standard Transcription

Probability threshold
50

Alternatives
5

Options

☐ Remove input duplicates

☒ Allow foreign and obsolete letters

☐ Classify names in native input script

☒ Output labels in native language

Source delimiter
Break

ID start
1
3

ID prefix

Input

Addisalem Ashagire Tadsse
Addissie Wudu Tsegaye
Adugnaw Walle Engda
Sadeghi Shabestari
Saeedi Moghaddam S.
Аксёненко Александр Сергеевич
Аксёнов Сергей Валерьевич
Аксютин Олег Евгеньевич
بن بکیش لومینف
بن بلخیر عز الدین
بن ثلی یحیی
دمیکری مینخندیف
سینرجی لافروف
فلانیدیر یوگین
میخائیل میشوسسکین
अभय देयोल
अभय शुक्ला
अभि भट्टाचार्य
अभिजीत सार्वत
अभिनव शुक्ला
अभिषेक बच्चन
ሁለንተ ካሳ ተስፋሁን
ለለሞን አዘን ሙብራቴ
እመቤት እንደለም ውቤ
ዘካርያስ አብነት አሰኛ
ፒፕም ችላበለው ሐይለማርያም
ግርማ ኮርሜ ዋቁ
成龍
王一博
甄子丹
肖戰

Estimate

Classification Module's GUI Output (Arabic script input)

Classification Download history

Search:

No	Id	Aid	Name	Clan	Tribe	Ethnicity	Nationality	Religion	Sect	Language	Culture	Lifestyle	Caste	Race	Norigin	Probability	Status
1	01	01	محمود السعدوي				Lebanese	Islam							Arabian	1	
2	02	01	بن يتيش لوصيف				Algerian	Islam							Arabian	1	
3	03	01	قيسان قريقرس					Christianity							Greek	0.4	
4	04	01	نوال السعدوي				Egyptian	Islam							Arabian	1	
5	05	01	هيثم رجب الزماتري				Palestinian	Islam							Arabian	1	
6	06	01	بلال موسى الشيخ		Arab		Saudi	Islam							Arabian	1	
7	07	01	مصطفى الحاج		Fulani		Sudanese	Islam							Arabian	1	
8	08	01	مهدي الأحم													0	
9	09	01	حمد خميس الطوي				Bahraini	Islam							Arabian	1	
10	10	01	خليلة المحرزي				Tunisian	Islam							Arabian	1	
11	11	01	أحمد محمد الحامد		Arab		Yemeni	Islam							Arabian	1	
12	12	01	نواف البوسيدي				Tunisian	Islam							Arabian	1	
13	13	01	سيف سيف الحارثي		Arab		Saudi	Islam							Arabian	1	
14	14	01	محمد حسان النقي				Emirati	Islam							Arabian	1	
15	15	01	عبدالله البطيحي		Arab		Yemeni	Islam							Arabian	1	
16	16	01	عبدالله سعيد الزبيدي				Jordanian	Islam							Arabian	1	
17	17	01	اسماء احمد عواد ثويل				Iraqi	Islam							Arabian	1	
18	18	01	اسيل جاسم الجاسم				Syrian	Islam							Arabian	1	
19	19	01	البراء اياد جلود الحلي													0	
20	20	01	انوار احمد خميس جابر				Algerian	Islam							Arabian	1	
21	21	01	خلف براك مزعل					Islam							Arabian	0.4	
22	22	01	آلاء راند السعدون				Bahraini	Islam							Arabian	1	
23	23	01	أمنه علي الخالدي				Iraqi	Islam							Arabian	1	
24	24	01	بدر محمد شمخي													0	
25	25	01	مفتاح سعود عزيز النصر					Islam							Arabian	0.4	

Showing 1 to 25 of 25 entries

« < 1 > »

Classification Module's GUI Output (Multi-script input, default output)

Classification Download history

Search:

No	Id	Aid	Name	Clan	Tribe	Ethnicity	Nationality	Religion	Sect	Language	Culture	Lifestyle	Caste	Race	Norigin	Probability	Status
1	01	01	Addisalem Ashagire Tadsse			Amhara	Ethiopian	Christianity							African	0.4	
2	02	01	Addissie Wudu Tsegaye			Amhara	Ethiopian	Christianity							African	0.4	
3	03	01	Adugnaw Walle Engda			Amhara	Ethiopian	Christianity							African	0.4	
4	04	01	Sadeghi Shabestari				Iranian	Islam							Arabian	1	
5	05	01	Saeedi Moghaddam S.													0	
6	06	01	Аксёненко Александр Сергеевич				Ukrainian	Christianity								0.4	
7	07	01	Аксёнов Сергей Валерьевич				Ukrainian	Christianity								0.4	
8	08	01	Аксютин Олег Евгеньевич				Ukrainian	Christianity								0.4	
9	09	01	بن بکیر لومسیف				Algerian	Islam							Arabian	1	
10	10	01	بن بلخير حر الدين			Arab	Yemeni	Islam							Arabian	1	
11	11	01	بن ثلي يحيى					Islam							Arabian	0.4	
12	12	01	دميترى مينديف				Russian	Christianity							Russian	1	
13	13	01	سيرجي لافروف				Russian	Christianity							Russian	1	
14	14	01	فلاديمير بولكين				Russian	Christianity							Russian	1	
15	15	01	ميخائيل ميشوسكين				Russian	Christianity							Russian	1	
16	16	01	अभय देयोल				Indian	Hinduism							Hindi	1	
17	17	01	अभय शुक्ला				Indian	Hinduism							Hindi	1	
18	18	01	अभि भट्टाचार्य				Indian	Hinduism							Hindi	1	
19	19	01	अभिजीत सार्वत				Indian	Hinduism							Hindi	1	
20	20	01	अभिनव शुक्ला				Indian	Hinduism							Hindi	1	
21	21	01	अभिषेक बच्चन				Indian	Hinduism							Hindi	1	
22	22	01	ሁለገሥት ካሳ ተስፋሁን			Amhara	Ethiopian	Christianity							African	0.4	
23	23	01	ሰለሞን አዘ መብራሄ			Amhara	Ethiopian	Christianity							African	0.4	
24	24	01	አመሲት አንዷ ለም ውብ			Amhara	Ethiopian	Christianity							African	0.4	
25	25	01	ዘርዘር አብነት አለፍ			Amhara	Ethiopian	Christianity							African	0.4	

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Classification Module's GUI Output (Multi-script input, natively labeled output)

Classification Download history

Search:

No	Id	Aid	Name	Clan	Tribes	Ethnicity	Nationality	Religion	Sect	Language	Culture	Lifestyle	Caste	Race	Nororigin	Probability	Status
1	01	01	Addisalem Ashagire Tadsse			Amhara	ኢትዮጵያዊ	ክርስትና							African	0.4	
2	02	01	Addissie Wudu Tsegaye			Amhara	ኢትዮጵያዊ	ክርስትና							African	0.4	
3	03	01	Adugnaw Walle Engda			Amhara	ኢትዮጵያዊ	ክርስትና							African	0.4	
4	04	01	Sadeghi Shabestari				ایرانی	اسلام							Arabian	1	
5	05	01	Saeedi Moghaddam S.													0	
6	06	01	Аксёненко Александр Сергеевич				Українець	Християнство								0.4	
7	07	01	Аксёнов Сергей Валерьевич				Українець	Християнство								0.4	
8	08	01	Аксютин Олег Евгеньевич				Українець	Християнство								0.4	
9	09	01	بن بكير لوميف				جزائري	الإسلام							Arabian	1	
10	10	01	بن بلخير عز الدين		Arab		يماني	الإسلام							Arabian	1	
11	11	01	بن تلي يحيى					Islam							Arabian	0.4	
12	12	01	دميترى مينافيديف				Русский	Христианство							Russian	1	
13	13	01	سيرجي لافروف				Русский	Христианство							Russian	1	
14	14	01	فلاديمير بويكين				Русский	Христианство							Russian	1	
15	15	01	ميخائيل ميشوسكين				Русский	Христианство							Russian	1	
16	16	01	अभय देयोल				भारतीय	हिन्दूधर्म							Hindi	1	
17	17	01	अभय शुक्ला				भारतीय	हिन्दूधर्म							Hindi	1	
18	18	01	अभि भट्टाचार्य				भारतीय	हिन्दूधर्म							Hindi	1	
19	19	01	अभिजीत सावंत				भारतीय	हिन्दूधर्म							Hindi	1	
20	20	01	अभिनव शुक्ला				भारतीय	हिन्दूधर्म							Hindi	1	
21	21	01	अभिषेक खन्न				भारतीय	हिन्दूधर्म							Hindi	1	
22	22	01	ሁለንታ ካሳ ተስፋሁን		Amhara		ኢትዮጵያዊ	ክርስትና							African	0.4	
23	23	01	ለለሞን አዘነ መሐረ-ቴ		Amhara		ኢትዮጵያዊ	ክርስትና							African	0.4	
24	24	01	አመቤት አንጿ ለም ውቤ		Amhara		ኢትዮጵያዊ	ክርስትና							African	0.4	
25	25	01	ዘርያስ አብነት አሰፍ		Amhara		ኢትዮጵያዊ	ክርስትና							African	0.4	

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Classification Module's API Request Documentation

Personal Names Classifier

Infers ethnicity, culture, nationality and religion from personal names with cumulative probability.

AUTHORIZATIONS: > tokenAuth or cookieAuth

REQUEST BODY SCHEMA: application/json
required

deduplicate	boolean (Remove input duplicates) Default: ☐ false Remove duplicate input
label	boolean (Native label) Default: ☐ false Output labels in native language
delimiter	string (Source delimiter) Default: B Enum: N B C S W L Source input delimiter N - No delimiter B - Break C - Colon S - Semicolon W - Whitespace L - List
idstart	integer (ID start) 1 .. 99999999 Default: 1 Output ID start value
fieldwidth	integer (Field width) Default: 1 Enum: 1 2 3 4 5 6 7 8 ID field width value 1 - 1 2 - 2 3 - 3 4 - 4

POST /api/v1/pclassifier/

Request samples

Payload

Content type
application/json

Copy Expand all Collapse all

```
{
  "deduplicate": false,
  "label": false,
  "delimiter": "N",
  "idstart": 1,
  "fieldwidth": 1,
  "idprefix": "",
  - "payload": [
    "string"
  ],
  "foreign": true,
  "score": "NOL",
  "threshold": 50,
  "alternative": 1,
  "native": false
}
```

Response samples

200

Content type
application/json

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```
{
  - "service": {
    "servname": "string",
    "payload": 0,
  }
}
```

Classification Module's API Response Documentation

Personal Names Classifier

Infers ethnicity, culture, nationality and religion from personal names with cumulative statistical probability.

AUTHORIZATIONS: > tokenAuth or cookieAuth

QUERY PARAMETERS

Responses

✓ 200

RESPONSE SCHEMA: application/json

service	object (ServiceResponse)
no	string <= 7 characters Serial number
id	string <= 10 characters Name identification number
name	string <= 100 characters Input name
source	string <= 20 characters Source language name
scode	string (Source code) = 3 characters Source language code in ISO639-3
stransystem	string (Source transystem) <= 100 characters Source transcription system name

200

Content type
application/json

Copy Expand all Collapse all

```
{
+ "service": { ... },
  "no": "string",
  "id": "string",
  "source": "string",
  "scode": "str",
  "slangtag": "string",
  "confidence": 1,
  "status": "string",
  "stcode": "stri",
  "stmessage": "string",
  "name": "string",
  "stransystem": "string",
  "stransyscode": "strin",
  "aid": "str",
  "house": "string",
  "clan": "string",
  "tribe": "string",
  "ethnicity": "string",
  "nationality": "string",
  "religion": "string",
  "sect": "string",
  "language": "string",
  "culture": "string",
  "lifestyle": "string",
  "caste": "string",
  "race": "string",
  "norigin": "string",
  "generation": "string",
  "housecode": "stringst",
  "clancode": "stringst",
```

Classification Module's API Extensive system error documentation

Q Search...

Global Error and Status Codes

accounts >

Geonames >

User >

Amharic >

Support >

Text >

Arabic >

Names >

gettoken >

NAP API (v1.0.0)

Download OpenAPI specification: [Download](#)

[KTagset information](#)

Global Error and Status Codes

Category	Code	HTTP	Description
STATUS - Users	2000	409	Please complete your profile first.
STATUS - Modules	3020	409	Arabicizer module recommended.
STATUS - Modules	3021	409	Retriever module recommended.
STATUS - Modules	3022	409	Romanizer module recommended.
STATUS - Modules	3023	409	Transcriber module recommended.
STATUS - Modules	3024	409	Vocalizer module recommended.
STATUS - Modules	3025	409	Text transcriber module recommended.
STATUS - Success	4000	200	
STATUS - Approx	4006	409	No vocalization diacritics.
STATUS - Fail	4009	409	Failed to process.
STATUS - Balance	4010	409	No enough balance.
STATUS - Service	4011	409	Unavailable service.
STATUS - Module	4012	409	Wrong module.
STATUS - Pair	4050	409	Unavailable language pair.
STATUS - Rules	4051	409	No conversion rules.
STATUS - Data	1000	422	Database referenced.

Classification Module's standout features

1. Multiple pass processing and hybrid methodology to manage the high linguistic variability inherent in global personal names, this approach allows the system to refine its classification through successive layers of analysis.
2. Multilevel statistical inference with double factor scoring reference.
3. Multilingual and Multi-Script Structures, handles names that vary significantly across scripts and character systems.
4. Manages several types of complex naming conventions, complex structure names beyond simple “surnames and given name” pairs.

Classification Module's potential users

Section	User	Applications	Use cases
A	Government	Archiving, Indexing	- Compliance and governance - Immigration control - Intelligence analysis - Law enforcement
B	- Academia - R&D - Education - Employment		- Cultural diversity - Demographic research - Employment diversity - Sociological research
C	- Healthcare - Epidemiology		- Biomedical research - Electronic health records - Genetic differences - Public health disparities
D	- Telecommunication - Transportation - Financial institutions - Security agencies - Housing - Tourism and hospitality	Archiving, Indexing	- Culture-sensitive CRM applications - Data management and accessibility - Diversity assessment - Ethnic-based marketing campaigns - KYC and Due Diligence
E	- Media - NGOs	Information retrieval	- Cross-lingual Information Retrieval (CLIR) - Machine Translation (MT) - Named-Entity Recognition/Extraction (NER) - Social media analysis
F	Common	Archiving, Indexing	- Entity Matching (EM) - Identity resolution - Name matching/indexing - Name screening

Classification Module's specification summary *

Category	Property	Data	Details
Module	Interaction technology	2	GUI, REST API
Module	Interface language	1	English
Module	Function description	1	Name-based ethnicity classification, infers ethnic group, nationality, culture and religion etc. from personal names with the cumulative statistical probability
Operation	Personal name processes	1	Classification
Operation	Supported languages	150	
Operation	Classification categories	10	Ethnicity, race, tribe, clan, culture, nationality, lifestyle, religion, caste, and geographic origin
Operation	Supported countries	200	
Operation	Supported transcription systems	50	Both transcription and transliteration
Operation	Supported writing scripts	30	Latin and many other major scripts
Operation	Supported nationalities	200	
Operation	Supported ethnicities	4,000	Ethnic groups, subgroups, tribes, clans
Operation	Supported religions	10	
Operation	Supported cultures	25	
Operation	Supported castes	4,000	
Input	Input types	1	Personal names (single and full names)
Input	Input formats	4	Vertical list, separated values (comma, semicolon, space)
Output	Output file formats	5	CSV, TSV, JSON, XLSX, PDF
Output	Output data manipulation	6	Live search/filter, sort, print, copy, hide, column reorder
Features	Language processing		Language auto-detection
Others	Disabled features		

Note: All information in this table is subject to change without any prior notice.