

List of Trait Codes

What follows is a comprehensive list of the socio-cultural traits found in the following four Northeast African countries: Ethiopia before the Eritrean Independence; Kenya; Somalia; and the Sudan. Each trait is represented by a unique string code, and each code is input directly to the corresponding virtual state. Note, however, that some of the traits listed below do not end up being reflected in the list of *PopCells' Traits* of the corresponding virtual states. This is due to the crudeness of spatial resolution, as well as the fact that some of the traits have a relatively narrow range of spread. This causes certain traits to become overlapped with other traits during the data conversion process.

Traits in the ethnicity category have up to two additional subclasses. Each trait, which consists of the “ethnicity” class, followed by the two additional subclasses, is represented by a series of three two-digit strings with “00” denoting nonexistence of the corresponding subclass. The following list is based on the most detailed data available at present. Note, however, that with the exception of virtual Somalia, all of the reported simulations were conducted without introducing any subclass to the virtual states. In other words, only the first two digits of the codes matter in most of the cases.

ETHIOPIA-ERITREA

Ethnicity					
01-00-00	Tigre	18-02-01	Somali-Isaq-Habar Awal	49-00-00	Gidicho
02-00-00	Tigrinya	18-02-02	Somali-Isaq-Garhajis	50-00-00	Kachama
03-00-00	Amhara	18-02-03	Somali-Isaq-Tol Ja'lo	51-00-00	Chara
04-00-00	Argobba	18-03-01	Somali-Darod-Ogade n	52-00-00	Bench
05-00-00	Harari	18-03-01	Somali-Darod-Ogade n	53-00-00	She

06-01-00	Gurage-Zway	18-03-01	Somali-Darod-Ogade n	54-00-00	Yemsa
06-02-00	Gurage-Silt'i	18-03-02	Somali-Darod-Mareh an	55-00-00	Kefa
06-03-00	Gurage-Walane	18-03-03	Somali-Darod-Harti	56-00-00	Mocha
06-04-00	Gurage-Soddo	18-03-04	Somali-Darod-Jidwaa q	57-00-00	Bworo
06-05-00	Gurage-Gogot	18-03-05	Somali-Darod-Yabarr e	58-00-00	Anfillo
06-06-00	Gurage-Muxir	18-03-06	Somali-Darod-Bartire	59-00-00	Dizi
06-07-00	Gurage-Masqan	18-04-01	Somali-Hawiye-Habar Gidir	60-00-00	Sheko
06-08-00	Gurage-Ezha	18-04-04	Somali-Hawiye-Hawa adle	61-00-00	Nao
06-09-00	Gurage-Chaha	18-04-06	Somali-Hawiye-Jajele	62-00-00	Hozo-Sezo
06-10-00	Gurage-Gumar	18-04-17	Somali-Hawiye-Murill e	63-00-00	Bambeshi
06-11-00	Gurage-Innamor	18-04-18	Somali-Hawiye-Digod ia	64-00-00	Didessa
06-12-00	Gurage-Inar	18-04-19	Somali-Hawiye-Gugu ndabe	66-00-00	Hamer
06-13-00	Gurage-Indagan	18-04-20	Somali-Hawiye-Karan le	67-00-00	Banna
07-00-00	Gafat	21-00-00	Bayso	68-00-00	Karo
08-00-00	Beja	22-00-00	Dasenech	69-00-00	Aari
09-00-00	Bilin	23-00-00	Arbore	70-00-00	Dime
10-00-00	Chamir	25-00-00	Hadiyya	71-00-00	Anywa
11-00-00	Kemant	26-00-00	Kambaata	72-00-00	Nuer
12-00-00	Awi	27-00-00	Libido	73-00-00	Mabaan
13-00-00	Kunfal	28-00-00	Alaba	74-00-00	Burun
14-00-00	Afar	29-00-00	Timbaro	75-00-00	Turkana
15-00-00	Saho	30-00-00	Gedeo	76-00-00	Majang

16-01-00	Oromo-Raya	31-00-00	Sidamo	77-00-00	Mursi
16-02-00	Oromo-Wollo	32-00-00	Burji	78-00-00	Tirma
16-03-00	Oromo-Wallagga	33-00-00	Dullay	79-00-00	Me'en
16-04-00	Oromo-Shoa	36-00-00	Wolaitta	80-00-00	Bodi
16-05-00	Oromo-Karayu	37-00-00	Gemo	81-00-00	Zilmam-Olam
16-06-00	Oromo-Arsi	38-00-00	Gofa	82-00-00	Nara
16-07-00	Oromo-Eastern	39-00-00	Malo	83-00-00	Gumuz
16-08-00	Oromo-Guji	40-00-00	Kullo	84-00-00	Komo
16-09-00	Oromo-Boraan	41-00-00	Konta	85-00-00	Kwama
16-10-00	Oromo-Gabra	42-00-00	Dorze	86-00-00	Berta
16-11-00	Oromo-Garre	43-00-00	Oyda	87-00-00	Kunama
17-00-00	Konso	44-00-00	Male	88-00-00	Mikeyir
18-01-01	Somali-Dir-'Ise	45-00-00	Basketo	91-01-00	BantuSomali-Dube
18-01-02	Somali-Dir-Gadabu rsi	46-00-00	Doko	91-02-00	BantuSomali-Shebel le
18-01-03	Somali-Dir-Bursuk	47-00-00	Zayse	92-00-00	Birale
18-01-04	Somali-Dir-Goora	48-00-00	Koyra		
Religion					
01-00-00	Muslim				
93-00-00	Christian				
Others	Religion specific to the ethnic group that the code represents				
Region					
01-00-00	Ethiopia				
02-00-00	Eritrea				

KENYA

Ethnicity					
01-00-00	Swahili	10-00-00	Embu	53-03-00	Kalenjin-Kony
02-00-00	Ilwana	11-00-00	Kikuyu	53-04-00	Kalenjin-Pok
03-00-00	Pokomo	12-00-00	Meru	53-05-00	Kalenjin-Bong'omok

04-01-00	Miji Kenda-Giriama	13-00-00	Igoji	53-06-00	Kalenjin-Terik
04-02-00	Miji Kenda-Kauma	14-00-00	Nithi	53-07-00	Kalenjin-Kipsigis
04-03-00	Miji Kenda-Chonyi	15-00-00	Tharaka	53-08-00	Kalenjin-Nandi
04-04-00	Miji Kenda-Jibana	16-00-00	Chuka	53-09-00	Kalenjin-Tuken
04-05-00	Miji Kenda-Kambe	17-00-00	Kuria	53-10-00	Kalenjin-Keyo
04-06-00	Miji Kenda-Ribe(Rihe)	18-00-00	Suba	53-11-00	Kalenjin-Marakwet
04-07-00	Miji Kenda-Rabai	19-00-00	Gusii	54-00-00	Maasai
04-08-00	Miji Kenda-Duruma	20-00-00	Luhya	55-00-00	Ongamo
04-09-00	Miji Kenda-Digo	46-00-00	Dahalo	56-00-00	Chamus
04-10-00	Miji Kenda-Segeju	47-00-00	Rendille	57-00-00	Samburu
05-00-00	Shamba(l)a	48-00-00	Boni	58-00-00	Turkana
06-00-00	Taveta	49-00-00	Somali	59-00-00	Dodos
07-01-00	Taita-Dabida	50-00-00	Burji	60-00-00	Jie
07-02-00	Taita-Sag(h)ala	51-00-00	Oromo	61-00-00	Karamojong
07-03-00	Taita-Sighau	52-00-00	Dasenech	62-02-00	Teso- S.Teso
08-00-00	Chag(g)a	53-01-00	Kalenjin-Sapiny	64-00-00	Luo
09-00-00	Kamba	53-02-00	Kalenjin-Pokot	72-00-00	Ik
Religion					
01-00-00	Muslim				
75-00-00	Christian				
Others	Religion specific to the ethnic group that the code represents				

SOMALIA

Ethnicity					
16-11-00	Oromo-Garre	18-04-05	Somali-Hawiye-Badi-Addo	18-06-01	Somali-Digil-Geledi
18-01-01	Somali-Dir-'Ise	18-04-06	Somali-Hawiye-Jajele	18-06-02	Somali-Digil-Jiido
18-01-02	Somali-Dir-Gadabu rsi	18-04-07	Somali-Hawiye-Galjaa l	18-06-03	Somali-Digil-Tunni

18-01-05	Somali-Dir-Bimal	18-04-08	Somali-Hawiye-Hintere	18-06-04	Somali-Digil-Irole
18-02-01	Somali-Isaq-Habar Awal	18-04-09	Somali-Hawiye-Hillivi	18-06-05	Somali-Digil-Dabarre
18-02-02	Somali-Isaq-Garhajis	18-04-10	Somali-Hawiye-Mobilen	89-00-00	Swahili
18-02-03	Somali-Isaq-Tol Ja'lo	18-04-11	Somali-Hawiye-Wadann	90-00-00	Mushungulu
18-03-01	Somali-Darod-Ogaden	18-04-12	Somali-Hawiye-Shan Dafet	91-03-00	BantuSomali-Makanne
18-03-02	Somali-Darod-Marehan	18-04-13	Somali-Hawiye-Hober	91-04-00	BantuSomali-Shidle
18-03-03	Somali-Darod-Harti	18-04-14	Somali-Hawiye-Herab	91-05-00	BantuSomali-Kabole
18-03-06	Somali-Darod-Bartire	18-04-15	Somali-Hawiye-Aurmale	91-06-00	BantuSomali-Eile
18-04-01	Somali-Hawiye-Habar Gidir	18-04-16	Somali-Hawiye-Ajuran	91-07-00	BantuSomali-Sha Baidoa
18-04-02	Somali-Hawiye-Abgal	18-05-01	Somali-Rahanweyn-Siyeed	91-08-00	BantuSomali-Tunni Torre
18-04-03	Somali-Hawiye-Murursade	18-05-02	Somali-Rahanweyn-Sa gaal	91-09-00	BantuSomali-Gosha
18-04-04	Somali-Hawiye-Hawaadle	18-05-03	Somali-Rahanweyn-Begeda		
Religion					
01-00-00	Muslim				
Region					
01-00-00	South (ex-Italian Somalia)				
02-00-00	North (ex-British Somaliland)				

SUDAN

Ethnicity					
01-01-01	Arab-Ga'aliyyin-Sha yqiyya	09-02-00	Nuba-Dilling	29-00-00	Burun
01-01-02	Arab-Ga'aliyyin-Rub atab	09-03-00	Nuba-Kodhin	30-00-00	Anywa
01-01-03	Arab-Ga'aliyyin-Mir afab	09-04-00	Nuba-Dauri	31-00-00	Shilluk
01-01-04	Arab-Ga'aliyyin-Ga' aliyyin	09-05-00	Nuba-Ronge	32-00-00	Lwo
01-01-05	Arab-Ga'aliyyin-Ka wahla	09-06-00	Nuba- Doni/Jirru	33-00-00	Dinka
01-01-06	Arab-Ga'aliyyin-Ruf a'a	09-07-00	Nuba- Dese	34-00-00	Mabaan
01-02-01	Arab-Guhayna-Shuk riyya	09-08-00	Nuba-Shatt	35-00-00	Nuer
01-02-02	Arab-Guhayna-Guh ayna	09-09-00	Nuba-Liguri	36-00-00	Bari
01-02-03	Arab-Guhayna-Bed ouin	09-10-00	Nuba-Nyimang	37-00-00	Lotuko
01-02-04	Arab-Guhayna-Hass aniyya	09-11-00	Nuba-Dinik	38-00-00	Jiye-Toposa
01-02-05	Arab-Guhayna-Haw awir	09-12-00	Nuba-Kadugli	39-00-00	Turkana
01-02-06	Arab-Guhayna-Kab abish	09-13-00	Nuba-Krongo	40-00-00	Nyangatom
01-02-07	Arab-Guhayna-Ham id	09-14-00	Nuba-Kamdang	41-00-00	Moru
01-02-08	Arab-Guhayna-Sali ma	09-15-00	Nuba-Koalib	42-00-00	Madi
01-02-09	Arab-Guhayna-Haw azma	09-16-00	Nuba-Tegali	43-00-00	Kresh
01-02-10	Arab-Guhayna-Mes	09-17-00	Nuba-Talodi	44-00-00	Yulu-Binga

	siriyya				
01-02-11	Arab-Guhayna-Humr	10-00-00	Birgid	45-00-00	Bongo
01-02-12	Arab-Guhayna-Hamer	11-00-00	Meidob	46-00-00	Sinyar
01-02-13	Arab-Guhayna-Rizaygat	13-00-00	Murle	47-00-00	Fongoro
01-02-14	Arab-Guhayna-Habaniyya	14-00-00	Didinga	48-00-00	Aja
01-02-15	Arab-Guhayna-Ta'aysha	15-00-00	Bale	49-00-00	Sara
01-02-16	Arab-Guhayna-Baggara	16-00-00	Zilmamu-Olam	50-00-00	Berta
01-03-00	Arab-Hadarib	21-00-00	Tirma	51-00-00	Kunama
01-04-00	Arab-'Ababda	23-00-00	Ingessana	52-00-00	Uduk
02-00-00	Beja	24-00-00	Aka	53-00-00	Komo
04-00-00	Berti	25-00-00	Kelo	54-00-00	Kwama
05-00-00	Zaghawa	26-00-00	Molo	55-00-00	Gumuz
06-00-00	Masalit	27-01-00	Daju-Shatt	56-00-00	Ganza
07-00-00	Fur	27-02-00	Daju-Nyala	57-00-00	Fellata
08-01-00	Nubian-Nobin	27-03-00	Daju-Beygo	58-00-00	Homa
08-02-00	Nubian-Dongolawi	28-01-00	Tama-Tama	59-00-00	Boguru
09-01-00	Nuba-Kadaru-Debri	28-02-00	Tama-Erengo	60-00-00	Zande
Religion					
01-00-00	Muslim				
61-00-00	Christian				
Others	Religion specific to the ethnic group that the code represents				
Region					
01-00-00	North				
02-00-00	South				

