

Assignment-5

Question 1: In the extdata folder of the learning r package, there is a file named hafu.csv, containing data on mixed-race manga characters. Import the data into a data frame.

Ans:

code	Solution																																																																																																																																																																																																																																																																																																						
<pre>data1<-read.csv(file.choose(), header = T, sep = ",", stringsAsFactors = FALSE) data1 class(data1)</pre>	<pre>> data2<-read.csv("C:/Users/Mostafiz/Desktop/R-FAES/Assignemnt -7 documents /hafu.csv") > data2</pre> <table><thead><tr><th>Year</th><th>Father</th><th>Mother</th><th>Series</th><th>Character</th><th>Gender</th></tr></thead><tbody><tr><td>1 1963</td><td>Japanese</td><td>American</td><td>Yuki no Taiyou</td><td>Sanae</td><td>F</td></tr><tr><td>2 1964</td><td>American</td><td>Japanese</td><td>Cyborg 009</td><td>Joe Shimamura</td><td>M</td></tr><tr><td>3 1967</td><td>French?</td><td>Japanese?</td><td>Lupin III</td><td>Lupin III</td><td>M</td></tr><tr><td>4 1967</td><td>Japanese</td><td>Fantasy</td><td>Nekome Kozou</td><td>Cat-Eyed Boy</td><td>M</td></tr><tr><td>5 1972</td><td>American</td><td>Japanese</td><td>Gatchaman</td><td>Jun the Swan</td><td>F</td></tr><tr><td>6 1974</td><td>American</td><td>Japanese</td><td>Great Mazinger</td><td>Jun Hono</td><td>F</td></tr><tr><td>7 1975</td><td>ndinavian?</td><td>Japanese?</td><td>Ichigo Monogatari</td><td>Ichigo</td><td>F Sca</td></tr><tr><td>8 1976</td><td>Japanese?</td><td>French?</td><td>Kochira Katsushika-ku... 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Airbats</td><td>Mitaka Arisa</td><td>F</td></tr><tr><td>36 1991</td><td>Japanese?</td><td>Spanish?</td><td>Shin Seiki GPX Cyber Formula</td><td>Kaga Joutarou</td><td>M</td></tr><tr><td>37 1991</td><td>American</td><td>Japanese</td><td>Silent Mobius</td><td>Katsumi Liqueur</td><td>F</td></tr><tr><td>38 1992</td><td>Japanese</td><td>German</td><td>Hana Yori Dango</td><td>Thomas</td><td>M</td></tr><tr><td>39 1992</td><td>English</td><td>Japanese</td><td>JoJo's Bizarre Adventure</td><td>Josuke Higashikata</td><td>M</td></tr><tr><td>40 1992</td><td>Japanese</td><td>Mongolian</td><td>Rainbow Trotsky</td><td>Hunbord</td><td>M</td></tr><tr><td>41 1992</td><td>Fantasy</td><td>Japanese</td><td>Tenchi Muyo!</td><td>Katsuhito Masaki</td><td>M</td></tr><tr><td>42 1992</td><td>Japanese</td><td></td><td>X1999</td><td>Karen Kasumi</td><td>F</td></tr><tr><td>43 1993</td><td>Japanese</td><td>American?</td><td>Bokutachi Otoko no Ko</td><td>Takashi Fujii</td><td>M</td></tr><tr><td>44 1993</td><td>Japanese</td><td>Fantasy</td><td>Hyper Police</td><td>Sasahara Natsuki</td><td>F</td></tr><tr><td>45 1993</td><td>Japanese</td><td>Dutch</td><td>Samurai Gun</td><td>Ichimatsu</td><td>M</td></tr><tr><td>46 1994</td><td>Japanese</td><td>English</td><td>Detective Conan</td><td>Ai Haibara</td><td>F</td></tr><tr><td>47 1994</td><td>American</td><td>Japanese</td><td>Fake</td><td>Randy Ryo Maclean</td><td>M</td></tr><tr><td>48 1995</td><td>Japanese?</td><td>English?</td><td>Angel Sanctuary</td><td>Sara Mudo</td><td>F</td></tr></tbody></table>	Year	Father	Mother	Series	Character	Gender	1 1963	Japanese	American	Yuki no Taiyou	Sanae	F	2 1964	American	Japanese	Cyborg 009	Joe Shimamura	M	3 1967	French?	Japanese?	Lupin III	Lupin III	M	4 1967	Japanese	Fantasy	Nekome Kozou	Cat-Eyed Boy	M	5 1972	American	Japanese	Gatchaman	Jun the Swan	F	6 1974	American	Japanese	Great Mazinger	Jun Hono	F	7 1975	ndinavian?	Japanese?	Ichigo Monogatari	Ichigo	F Sca	8 1976	Japanese?	French?	Kochira Katsushika-ku... Reiko	Katherine Akimoto	F	9 1977	Japanese	German	Haikara-san ga Tooru	Shinobu Iijyuin	M	10 1979	Japanese	Canadian	Mobile Suit Gundam	Amuro Ray	M	11 1981	Japanese	French	GoShogun	Remy Shimada	F	12 1982	Chinese?	Japanese?	Macross	Lynn Minmay	F	13 1982	Swedish	Japanese	Yukan Club	Bido Granmarie	M	14 1983	German	Japanese	Adolf	Adolf Kaufmann	M	15 1983	American	Japanese	Rean no Tsubasa	Asap Suzuki	M	16 1986	Japanese?	American?	Mad Bull 34	Daizaburo Eddie Ban	M	17 1986	Japanese?	American?	Pineapple Army	Jed Goshi	M	18 1986	Japanese	Russian	Saint Seiya	Cygnus Hyoga	M	19 1987	American	Japanese	Hanasakeru Seishounen	Kajika Burnsworth	F	20 1987	English	Japanese	Lady!!	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Assignment-5

	49	1995		Angel Sanctuary	Setsuna Mudo	M
Japanese?	50	1995	English?	Chuka Ichiban!	Shirou	M
Chinese	51	1995	Japanese	Kashou no Tsuki	Tsuchikimado Arimasa	M
Japanese	52	1995	Fantasy	Kodomo no Omocha	Naozumi Kamura	M
American	53	1995	Japanese	Mobile Suit Gundam Wing	Heero Yuy	M
Russian	54	1995	Japanese	Neon Genesis Evangelion	Asuka Soryu Langley	F
Japanese	55	1996	German	Card Captors Sakura	Eriol Hiiragizawa	M
Japanese	56	1996		Hana-kimi	Mizuki's brother	M
Japanese	57	1996	American?	InuYasha	InuYasha	M
Fantasy	58	1996	Japanese	JoJo's Bizarre Adventure	Giorno Giovanna	M
English	59	1996	Japanese	Sakura Taisen	Maria Tachibana	F
Japanese	60	1996	Russian	Sakura Taisen	Orihime Soletta	F
Japanese	61	1997	Italian	Devil Lady	Asuka Lan	F
American	62	1997	Japanese	Great Teacher Onizuka	Kanzaki Urumi	F
Japanese	63	1997		Sensual Phrase	Sakuya Ookochi	M
American	64	1997	Japanese	Street Fighter 3	Sean Matsuda	M
Japanese	65	1997	Brazilian	To Heart	Lemmy Miyauchi	F
American	66	1997	Japanese	Vampire Princess Miyu (TV)	Miyu	F
Fantasy	67	1998	Japanese	Full Metal Panic!	Kurz Weber	M
German?	68	1998	Japanese?	Kinnikuman Nisei	Terry the Kid	M
American	69	1998	Japanese	Maria-sama Ga Miteru	Sei Sato	F
Japanese?	70	1998	American?	Parasite Eve	Aya Brea	F
American	71	1998	Japanese	Secret Area	Jake	M
Japanese	72	1998	American	Shanimuni Go	Takita Louis	M
Japanese	73	1998	French	UFO Baby	Christine Hanakomachi	F
Japanese	74	1999	French	Digimon Adventure	Yamato Ishida	M
Japanese	75	1999	French	Fruits Baskets	Momiji Sohma	M
Japanese?	76	1999	German?	GetBackers	Ban Mido	M
German	77	1999	Japanese	Peacemaker Kurogane	Akesato	F
German	78	1999	Japanese	Prince of Tennis	Jackal Kuwahara	M
Brazilian?	79	1999	Japanese?	Sister Princess	Aria	F
Japanese	80	1999	French	Sister Princess	Haruka	F
Japanese	81	1999	German	Sister Princess	Yotsuba	F
Japanese	82	1999	English	Venus in Love	Yuki Ikeuchi	M
Japanese?	83	2000	Greek?	Beyblade	Max Tate	M
Japanese	84	2000	American	Boys Be...	Shoko Uzuki	F
Japanese	85	2000		Digimon Adventure 02	Takeru Takaishi	M
Japanese	86	2000	French	JoJo's Bizarre Adventure	Jolyne Kujo	F
Japanese	87	2000	Italian	Maya Madoromijima no Nemurihime	Mikagura Hijiri	F
Japanese	88	2000		Nana	Layla Serizawa	F
American	89	2000	Japanese	Nigai Kajitsu	Jack Yuchi	M
Japanese	90	2000	American	Pani Poni Dash! (manga)	Rebecca Miyamoto	F
Japanese	91	2000	American	Read or Die	Yomiko Readman	F
Japanese	92	2000	English	Ring Of Red	Masami von Weisegger	M
German?	93	2000	Japanese?	Shiyouzumi Condom	Sara Karariev	F
Japanese	94	2000	Russian	Tsukihime	Ciel	F
French	95	2000	Japanese?	Yo-u	Kaede	F
Fantasy	96	2001	Japanese	Bleach	Yasutora Sado	M
Japanese?	97	2001	Mexican?	Dead or Alive 3	Hitomi	F
German	98	2001	Japanese	Desert Storm	Eimi	F
Japanese	99	2001	Russian	Diamond Head	Leica Hanugi	M
Chinese	100	2001	Japanese	Digimon Tamers	Lee Jaarin	F
Chinese	101	2001	Japanese	Digimon Tamers	Lee Jianliang	M
Chinese	102	2001	Japanese	Digimon Tamers	Lee Rinchei	M
Chinese	103	2001	Japanese	Digimon Tamers	Lee Shiuchon	F
Chinese	104	2001	Japanese	Koiseyo Shounen	Yamato Sakurai	M
Canadian	105	2001	Japanese	Sakura Taisen 3	Hanabi Kitaoji	F
Japanese	106	2001	French	Shadow Hearts	Yuri Volte Hyuga	M
Japanese	107	2002	German	.hack//Legend of the Twilight	Hotaru	M
Irish			Japanese			

Assignment-5

	108	2002		Da Capo	Alice Tsukishiro	F
	Japanese?	English?				
	109	2002		Da Capo	Grandma?	F
	English?	Japanese?				
	110	2002		Eyeshield 21	Mamori Anezaki	F
	Japanese	American				
	111	2002		Hungry Heart	Kouji Sakai	M
	Japanese	Swedish				
		Eyes	Hair			
	1					
	2	brown	brown			
	3	black	black			
	4	brown				
	5	green	green			
	6	black	black			
	7	brown	brown			
	8	blue	blond			
	9	blue	blond			
	10	blue	brown			
	11	blue	blond			
	12	blue	blue			
	13		blond			
	14					
	15		blond			
	16	brown	black			
	17	black	black			
	18	blue	blond			
	19	grey	brown			
	20	red	blond			
	21	brown	brown			
	22	blue	brown			
	23	black	black			
	24	black	black			
	25	brown	brown			
	26	blue	blond			
	27	green	blue			
	28	brown	blond			
	29	blue	blond			
	30	blue	blond			
	31	blue	blond			
	32	blue	blond			
	33	blue	blond			
	34		red			
	35	black	black			
	36		green			
	37	blue	blue			
	38		blond			
	39	blue	blue			
	40					
	41	purple	black			
	42	brown	red			
	43	blue	blond			
	44	green	green			
	45	blue	white			
	46	blue	brown			
	47	black	brown			
	48	brown	blond			
	49	brown	blond			
	50	brown	blue			
	51		black			
	52	green	blue			
	53	blue	brown			
	54	blue	red			
	55	blue	blue			
	56					
	57	brown	white			
	58	blue	blond			
	59	blue	blond			
	60	green	black			
	61	blue	blond			
	62		blond			
	63	blue	black			
	64	brown	brown			
	65	blue	blond			
	66	brown	brown			
	67	blue	blond			
	68	blue	blond			
	69	grey	brown			
	70	blue	blond			
	71		blond			
	72	brown	brown			
	73	purple	pink			
	74	blue	blond			
	75	brown	blond			
	76	blue	brown			
	77	blue	brown			
	78		black			
	79	grey	blue			
	80	blue	purple			
	81	brown	brown			
	82	green	brown			
	83	blue	blond			
	84		blond			
	85	blue	blond			
	86	blue				
	87	blue	blond			
	88	brown	pink			
	89		black			
	90	blue	blond			
	91	blue	black			
	92					
	93	blue	blond			
	94	blue	blue			
	95	brown	brown			
	96	brown	brown			
	97	blue	brown			
	98	black	black			
	99	red	red			
	100					
	101	grey	blue			
	102					
	103	purple	brown			
	104	blue	brown			
	105	black	black			

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	<div>106 red brown</div> <div>107 blue blond</div> <div>108 purple white</div> <div>109</div> <div>110 blue red</div> <div>111 grey white</div> <div>Notes</div> <div>1</div> <div>2</div> <div>TVTropes says half-Japanese (mother), half-American (father), and in the manga he was bullied because of that; I did not find any other online sources specifying the parents, and do not have the manga handy.</div> <div>3</div> <div>Wikipedia discusses the ambiguity.</div> <div>4</div> <div>5</div> <div>Information about Jun is very scarce; asked</div> <div>6</div> <div>7</div> <div>Baka-Updates describes the plot: Ichigo is a fourteen year old half Japanese girl that grew up in Lapland. After the death of her father, she moves to Japan where she is hosted by Ikuta Rintaro and his family., translating from an Italian website. Making matters worse, the Lapland region is claimed in parts by Norway, Sweden, Finland and Russia.</div> <div>8</div> <div>Asked</div> <div>9</div> <div>10</div> <div>TVTropes says Ray's mother is Canadian, and was changed to Mexican in a much later Gundam anime; the Gundam Wikia says she is either American or Canadian but it is not specified.</div> <div>11</div> <div>Alan Takahashi's Anime Pocket Guide compiled for rec.arts.anime comments of a later GoShogun movie that Remy's mother was a French prostitute, so Remy has a tainted and confused past.</div> <div>12</div> <div>The father-mother mix is unclear; it may be Japanese-Chinese.</div> <div>13</div> <div>14</div> <div>15</div> <div>Google Translate of official profile: Has a Japanese mother and an American father.</div> <div>16</div> <div>17</div> <div>18</div> <div>19</div> <div>20</div> <div>21</div> <div>22</div> <div>23</div> <div>24</div> <div>Asked.</div> <div>25</div> <div>26</div> <div>Second story in the anthology.</div> <div>27</div> <div>28</div> <div>29</div> <div>30</div> <div>31</div> <div>TVTropes: Englishwoman Christine Chris Robbins has a thing for Japanese men and go to Japan specifically to find one to date and marry. At first she's interested in male lead Naoki, but ends up marrying Kotoko's former Dogged Nice Guy Kinnosuke. They have three kids, with their dad's features and the mother's eye/hair color scheme.</div> <div>32</div> <div>33</div> <div>34</div> <div>TVTropes asserts he is half-Japanese as the name indicates; descriptions of his backstory are hard to come by, and I am relying on a GameFAQs forum summary: Shuu's mom is kidnapped by a member of the Royal Family of Lan Gran (one of the 3 kingdoms of La Gias) and is made his consort/concubine, and Shuu is born some time afterwards - thus, Shuu is half Earthian, half La Gias, and a legitimate heir of the throne of Lan Gran. He grows up to value his independence much more than anything (most likely stemming from his mother's freedom being stripped from her since she was kidnapped), and thus has no interest of the throne. Shuu travels back-and-forth from the surface world, and becomes the genius he is as he absorbs knowledge from the surface AND La Gias, using this knowledge to build the Granzon.</div> <div>35</div> <div>Hitoshi Doi on the audiodrama adaptation: Mitaka Arisa got transferred to the 801 TTS. Kengamine looked at Arisa's papers and found out that she was half Japanese (her father was Japanese).</div> <div>36</div> <div>37</div> <div>38</div> <div>Margaret O'Connell quotes Thomas as saying: Because I'm half Japanese. My dad's from here. My mom's German.</div> <div>39</div> <div>40</div> <div>The father is named Fukami Keisuke and the mother identified as a member of the Buryat subethnic group; dates, names, and parentage are sourced from Heroes and Villains: Manchuko in Yasuhiko Yoshikazu's Rainbow Trotsky (O'Dwyer 2012; anthologized in Manga and the Representation of Japanese History).</div> <div>41</div> <div>Original hair color as young man.</div> <div>42</div> <div>Not certain Karen is the half-Japanese character TVTropes's main page alludes to; asked: http://tvtropes.org/pmwiki/remarks.php?tropes=Main.ButNotTooForsureign#latest</div> <div>43</div> <div>In chapter 02, Takashi's blonde Caucasian mother named Sarah is introduced and Takashi says she was actually born in Tokyo. Though she moved to South Africa right after she was born, and then Kyoto, and Pakistan, then Tokyo again, and now she's here [rural Japan]. Unfortunately, the rest of the manga only rarely mentions her and her side of the family never appears, so while she is surely an American, it cannot be proven from the manga.</div> <div>44</div> <div>45</div> <div>46</div> <div>47</div> <div>48</div> <div>O'Connell quotes volume 1 of the manga: Since our grandfather was from England, we both have blonde hair and light-brown eyes, so everyone's gonna know</div>
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	<p>w that we're brother and sister. Asked for more details: http://angelsanctuary.wikia.com/wiki/Talk:Setsuna Mudo#Parentage; commenter germaninjapan on this page says it was the mother planning to leave, so through the maternal line?</p> <p>49 50 51 52 Sourced from subtitles of episode 73 & 74, and interpretation checked against a fansite</p> <p>53 TvTropes: Heero, on the other hand, is revealed to be half-Russian in the novel Frozen Teardrop. His canon father does have a Russian name.</p> <p>54 55 English-Japanese, reportedly. I omitted related characters like Watanuki as they are too complicated to fairly include.</p> <p>56 57 58 59 Maria Tachibana was born in Russia to a Japanese father and a Russian mother. Sakura Taisen, Ex.org</p> <p>60 61 62 Heterochromatic: brown/blue. Canonically unknown father.</p> <p>63 64 Sean Matsuda was born in Brazil, though his paternal grandfather was Japanese. SF Wikia</p> <p>65 Cloud668 says the parents' nationalities are listed in the guidebook.</p> <p>66 67 68 69 Seems to be zero information besides a comment she is attractive despite the foreign blood; the surname is Japanese and she graduates to study English & American Literature, so probably she has a mother who is one of those nationalities. Asked.</p> <p>70 Aya Brea is not in the original Parasite Eve novel, but the first video game adaptation.</p> <p>71 Story 5 in the anthology.</p> <p>72 73 74 75 76 His father, Der Kaiser, seems to be half-German/half-Japanese, making Ban a quarter-German.</p> <p>77 The mangaka Sakamoto has apparently only commented she is a hafu (presumably Caucasian), nothing more. Asked.</p> <p>78 Guesses based on surname, unreliable as that is. Asked.</p> <p>79 80 81 82 Guessing based on surname; asked.</p> <p>83 84 85 86 This is a major simplification. Wikipedia notes that It's mentioned that she is an Italian-American, making Jolyne 1/4 Japanese, 1/4 American, 3/8 Italian, and 1/8 British.</p> <p>87 88 89 Story 4, Blue Period</p> <p>90 Miyamoto appears twice because the anime reverses her parentage.</p> <p>91 92 93 94 Ciel says only I looked like my mother, who was Oriental; asked: http://typemoon.wikia.com/wiki/Talk:Ciel#Parentage</p> <p>95 96 Asked.</p> <p>97 Surprisingly, there doesn't seem to be a DOA anime or manga, except for a DOA Xtreme Beach Volleyball manga.</p> <p>98 Technically, Chechnyan; as usual, assimilated to the neighboring major nationality.</p> <p>99 His nationality is three-fourths mixed; the most mysterious one of all. pg21 c01. He is depicted in color illustrations with reddish hair, red eyes, and is Christian; one associated character returns from several years abroad living in Seattle. In the complete manga, there are no other hints as to his nationalities or parentages: the mother is depicted once with neutral hair color.</p> <p>100 101 102 103 104 Story 1 of the anthology, Letter from Canada.</p> <p>105 Her maternal grandmother is French, or so MyAnimeList claims. This is consistent with her nobility and her father being named Masamichi Kitaoji.</p> <p>106 107 108 109 I am not certain about this character. She is obscure and there are overlapping characters polluting the search results. I am going off a much copy-pasted description which claims Junichi and Sakura's grandmother. Half Japanese</p>
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	se, half British. Said to have looked young until she was about a hundred y ears old. Already dead by the events of Da Capo, but that doesn't stop her from showing up every once in a while. 110 Technically, her mother is half-American and hence Mamori is a quarter-Japa nese, like Asuka Soryu Langley's mother is half-Japanese/half-German in NGE . 111 [reached 'max' / getOption("max.print") -- omitted 185 rows] > class(data2) [1] "data.frame" >
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Question 2: Also in the extdata folder of learning r is an Excel file named multi-drug-resistant gonorrhoea infection.xls. Import the data from the first (and only) sheet into a data frame.

Code	solution
<pre>install.packages("readxl") library("readxl") my_data <- read_excel("multi.drug.resistant.gonorrhoea. infection.xls", sheet = 1) my_data class(my_data)</pre>	<pre>> my_data <- read_excel("multi.drug.resistant.gonorrhoea.infection.xls", sheet = 1) > my_data # A tibble: 100 x 4 Year Age Group Gender Rate <dbl> <chr> <chr> <dbl> 1 2006 14 to 10 Male 6.4 2 2006 15 to 19 Male 273. 3 2006 20 to 24 Male 449. 4 2006 25 to 29 Male 309. 5 2006 30 to 34 Male 188. 6 2006 35 to 39 Male 129. 7 2006 40 to 44 Male 94.3 8 2006 45 to 54 Male 51.6 9 2006 55 to 64 Male 17.5 10 2006 65+ Male 4.1 # ... with 90 more rows > class(my_data) [1] "tbl_df" "tbl" "data.frame"</pre>