Wordclouds with stylecloud

```
import pandas as pd
import numpy as np
import matplotlib.pyplot as plt
from wordcloud import WordCloud, STOPWORDS, ImageColorGenerator
!pip install stylecloud
import stylecloud
```

names = pd.read_csv("https://raw.githubusercontent.com/fivethirtyeight/data/master/
names.head()

\Box		name	total	male_share	female_share	gap
	1	Casey	176544.328149	0.584287	0.415713	0.168573
	2	Riley	154860.665173	0.507639	0.492361	0.015278
	3	Jessie	136381.830656	0.477834	0.522166	0.044331
	4	Jackie	132928.788740	0.421133	0.578867	0.157735
	5	Avery	121797.419516	0.335213	0.664787	0.329574

names.tail()

	name	total	male_share	female_share	gap
915	Eaden	102.319579	0.572761	0.427239	0.145521
916	Inioluwa	101.384201	0.352729	0.647271	0.294542
917	Gwin	101.243364	0.562137	0.437863	0.124273
918	Yacine	100.230400	0.544599	0.455401	0.089198
919	Aeon	100.211040	0.464835	0.535165	0.070331

names.info()

<class 'pandas.core.frame.DataFrame'>
Int64Index: 919 entries, 1 to 919
Data columns (total 5 columns):

#	Column	Non-Null Count	Dtype
0	name	919 non-null	object
1	total	919 non-null	float64
2	male_share	919 non-null	float64
3	female_share	919 non-null	float64
4	gap	919 non-null	float64

dtypes: float64(4), object(1)

memory usage: 43.1+ KB

female = names.query("female_share > male_share") female

	name	total	male_share	female_share	gap
3	Jessie	136381.830656	0.477834	0.522166	0.044331
4	Jackie	132928.788740	0.421133	0.578867	0.157735
5	Avery	121797.419516	0.335213	0.664787	0.329574
7	Peyton	94896.395216	0.433719	0.566281	0.132561
8	Kerry	88963.926250	0.483949	0.516051	0.032102
910	Eudell	103.921273	0.419673	0.580327	0.160655
911	Mikele	103.518292	0.394806	0.605194	0.210388
914	Olayinka	102.625879	0.418250	0.581750	0.163500
916	Inioluwa	101.384201	0.352729	0.647271	0.294542
919	Aeon	100.211040	0.464835	0.535165	0.070331

428 rows × 5 columns

male = names.query("male_share > female_share") male

	name	total	male_share	female_share	gap
1	Casey	176544.328149	0.584287	0.415713	0.168573
2	Riley	154860.665173	0.507639	0.492361	0.015278
6	Jaime	109870.187290	0.561793	0.438207	0.123586
12	Skyler	53486.390419	0.646053	0.353947	0.292106
13	Frankie	51288.068109	0.623671	0.376329	0.247343
912	Alija	103.229976	0.576972	0.423028	0.153945
913	Carel	102.758657	0.564701	0.435299	0.129403
915	Eaden	102.319579	0.572761	0.427239	0.145521
917	Gwin	101.243364	0.562137	0.437863	0.124273
918	Yacine	100.230400	0.544599	0.455401	0.089198

491 rows × 5 columns

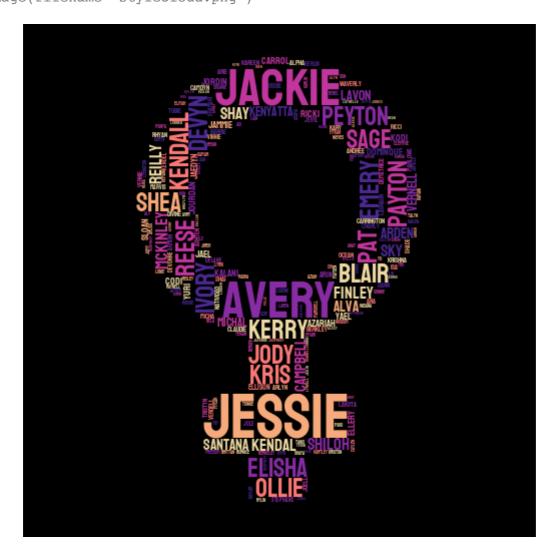
text = " ".join(name for name in female.name)

print ("There are {} names that are used more for females than for males".format(le text_male = " ".join(name for name in male.name)

print ("There are {} names that are used more for males than for remales".format(le

There are 2876 names that are used more for females than for males There are 3206 names that are used more for males than for females

style = stylecloud.gen_stylecloud(text=text, icon_name= "fas fa-venus", palette='ca
from IPython.display import Image
Image(filename='stylecloud.png')



style = stylecloud.gen_stylecloud(text=text_male, icon_name= "fas fa-mars", palette
from IPython.display import Image
Image(filename='stylecloud.png')

