In [3]: df.head(20) Out[3]: Strata Name Frequency Weighted Frequency Percent Lower 95% CL Upper 95% CL Strata Year **0** 2012 Total Total 1920 11.74 11.11 12.37 **1** 2012 Sex 1116664.0 8.12 7.32 8.92 Male 561 2 2012 Sex Female 1359 2163108.0 15.25 14.30 16.20 3 2012 Race-Ethnicity White 1806371.0 13.67 15.46 1314 14.57 **4** 2012 Race-Ethnicity Black 97 222022.0 13.54 10.44 16.65 923174.0 9.98 8.91 5 2012 Race-Ethnicity Hispanic 412 11.05 6 2012 Race-Ethnicity Asian/Pacific Islander 220418.0 5.48 3.92 7.03 17.34 7 2012 Race-Ethnicity Other 36 107786.0 11.09 23.60 8 2012 Education No High School Diploma 282 579047.0 14.43 12.60 16.26 High School Graduate or GED Certificate 9 2012 665672.0 9.98 12.89 Education 337 11.44 2012 Education Some College or Tech School 563 947473.0 13.25 11.95 14.55 **11** 2012 1040822.0 Education 717 10.00 10.90 College Graduate or Post Grad 9.11 **12** 2012 Income < \$20,000 642 1118292.0 16.97 15.42 18.51 **13** 2012 490532.0 Income \$20,000 - \$34,999 295 12.39 10.67 14.10 296225.0 **14** 2012 Income \$35,000 - \$49,999 187 9.88 8.16 11.60 **15** 2012 \$50,000 - \$74,999 440798.0 Income 250 12.65 10.82 14.49 \$75,000 - \$99,999 **16** 2012 Income 160 290492.0 10.17 8.26 12.07 **17** 2012 Income \$100,000+ 270 454444.0 8.31 7.17 9.46 18 to 34 **18** 2012 219 705000.0 7.63 Age 6.55 8.72 **19** 2012 240 576639.0 9.57 12.69 35 to 44 11.13 Age df=df.drop(['Strata Name', 'Weighted Frequency','Lower 95% CL','Upper 95% CL'],axis=1) In [4]: df.head(10)Out[4]: Year Strata Frequency Percent **0** 2012 Total 1920 11.74 **1** 2012 Sex 561 8.12 1359 **2** 2012 Sex 15.25 3 2012 Race-Ethnicity 1314 14.57 **4** 2012 Race-Ethnicity 97 13.54 **5** 2012 Race-Ethnicity 412 9.98 **6** 2012 Race-Ethnicity 61 5.48 7 2012 Race-Ethnicity 36 17.34 **8** 2012 Education 282 14.43 Education 9 2012 337 11.44 In [5]: year_total=df.loc[df['Strata'] == 'Total']

In [2]: | df = pd.read_csv("E:\Protfolio\Depression Data Analysis Using 2012-2018 California Dataset/adult-depres

Percentage of Frecuency per Year

data= year_total[['Year', 'Percent']]

Year Strata Frequency Percent

1920

1689

1309

1848

1645

1550

1964

In [7]: fig = px.pie(year total, values='Frequency',

11.74

13.08

13.30

12.92

13.77

19.04

17.78

title='Percentage of Frecuency per Year')

15.5%

14.2%

16.1%

names='Year', color_discrete_sequence=px.colors.sequential.Magma_r,

16.5%

13.8%

11%

13%

2018 2012 2015

Total

Total

Total

Total

Total

Total

Total

%matplotlib notebook

import seaborn as sns

import matplotlib.pyplot as plt

import plotly.express as px

sion-lghc-indicator-24.csv")

import pandas as pd
import numpy as np

In [1]:

In [6]:

Out[6]:

In [8]:

Out[8]:

In [9]:

data

0 2012

23 2013

46 2014

69 2015

9

10

11

12

13

14

15

16

17

18

19

0

In [12]:

Out[12]:

Education

Education

Education

Income

Income

Income

Income

Income

Income

Age

Age

a=a[a.Strata != 'Total']

Age

Strata Frequency

11925

337

563

717

642

295

187

250

160

270219

240

a=df_reason.groupby(['Strata']).sum().reset_index()

Year Percent

11.74

13.08

13.30

12.92

year_total

0 2012

23 2013

46 2014

69 2015

92 2016

115 2017

138 2018

fig.show()

92 2016 13.77
115 2017 19.04
138 2018 17.78

sns.set_style("darkgrid")
sns.lineplot(data-data, x="Year", y="Percent",markers=True,color='lawngreen').set(title='Increasing Percentage per Year')

Increasing Percentage per Year

19
18
17
16
14
13
12
2012 2013 2014 2015 2016 2017 2018

		14				/		
		13			\sim			
		12						
		2012	2013	2014	2015 Year	2016	2017	
Out[9]:	[Tex	xt(0.5, 1.0,	'Increasi	ng Percent	age per '	/ear')]		
In [10]:	<pre>df_reason= df[['Strata','Frequency']]</pre>							
In [11]:	df_reason.head(20)							
Out[11]:		Strata Fr	equency					
	0	Total	1920					
	1	Sex	561					
	2	Sex	1359					
	3	Race-Ethnicity	1314					
	4	Race-Ethnicity	97					
	5	Race-Ethnicity	412					
	6	Race-Ethnicity	61					
	7	Race-Ethnicity	36					
	8	Education	282					

1 Education 11283 2 Income 10270 3 Race-Ethnicity 11866 Sex 11925 fig = px.pie(a, values='Frequency', names='Strata', In [13]: color discrete sequence=px.colors.sequential.RdBu, title='Reason of Depression') fig.show() Reason of Depression

20.8%

20.8%

19.7%

17.9%

Age Sex

Income

Race-Ethnicity Education