]:	Imports and Set-up import pandas as pd import numpy as np %matplotlib inline from plotly importversion from plotly.offline import download plotlyis, init notebook mode, plot, iplot
]:	<pre>from plotly importversion from plotly.offline import download_plotlyjs, init_notebook_mode, plot, iplot print(version) # requires version >= 1.9.0 5.1.0 #pip install cufflinks import cufflinks as cf</pre>
]:]:	<pre># For Notebooks init_notebook_mode(connected=True) # For offline use cf.go_offline()</pre>
7]: 3]:	Fake Data df = pd.DataFrame(np.random.randn(100,4),columns='A B C D'.split()) df.head() A B C D 0 -0.005758 0.855622 0.287523 0.498316 1 0.635753 -1.127362 0.714455 -0.723504
)]:	1 0.635753 -1.127362 0.714455 -0.723504 2 1.207882 -0.526920 -0.263739 -0.199086 3 -0.428437 -0.805413 0.154534 -0.275439 4 1.014145 -0.749069 -2.272460 1.768593 df2 = pd.DataFrame({'Category':['A','B','C'],'Values':[32,43,50]})
)]:	Category Values
	 scatter bar box spread ratio heatmap surface histogram
1]:	• bubble Scatter df.iplot(kind='scatter', x='A', y='B', mode='markers', size=10)
	-1 -2 -3 -2 -1.5 -1 -0.5 0 0.5 1 1.5 2 2.5
2]:	Export to plot.I Bar Plots df2.iplot(kind='bar', x='Category', y='Values') • • • • • • • • • • • • • • • • • • •
	40
	30 20 20 10 10 10 10 10 10 10 10 10 10 10 10 10
3]:	D A B C Export to plot.I df.count().iplot(kind='bar')
	100
	60 40 20
1]:	A B C D Export to plot.I Boxplots df.iplot(kind='box')
	A B C D Export to plot.I
5]:	df3 = pd.DataFrame({'x':[1,2,3,4,5],'y':[10,20,30,20,10],'z':[5,4,3,2,1]}) df3.iplot(kind='surface',colorscale='rdylbu') © Q + © : A W
	3(2) 11
	5 Export to plot.
6]:	Spread df[['A','B']].iplot(kind='spread') C:\Users\Yasin\anaconda3\lib\site-packages\cufflinks\plotlytools.py:849: FutureWarning: The pandas.np module is deprecated and will be removed from pandas in a future version. Import numpy directly instead C:\Users\Yasin\anaconda3\lib\site-packages\cufflinks\plotlytools.py:850: FutureWarning:
	C:\Users\Yasin\anaconda3\lib\site-packages\cufflinks\plotlytools.py:850: FutureWarning: The pandas.np module is deprecated and will be removed from pandas in a future version. Import numpy directly instead Q +
	Export to plot.
7]:	histogram df['A'].iplot(kind='hist',bins=25) ① ① ① ① ① ① ② ② ② ② ② ② ② ② ② ② ② ② ②
8]:	df.iplot(kind='bubble', x='A', y='B', size='C')
	Export to plot. Scatter_matrix() Similar to sns.pairplot() df. scatter_matrix()
	Export to pixel. Scatter_matrix() Similar to ansa peripMU df. scatter_matrix() Q + 1
9]:	Scatter_matrix() Smilar to ansupulplate 97 - scatter_matrix() Choropleth Maps (Helps to identify Global or national scale senario) Wetcome to the Chorocaleth Maps (senator in this exercise we will give you some simple datasets and ask you to create Chorogleth Maps from them. Due to the Nature of I Hody we can't show ye
9]:	Export to produce the Chargoveth Maps (Helps to identify Global or national scale senario) We come to the Chargoveth Maps Export to global or national scale senario) We come to the Chargoveth Maps Export to global or national scale senario) We come to the Chargoveth Maps Export to global or national scale senario) We come to the Chargoveth Maps Export to global or national scale senario) We come to the Chargoveth Maps Export to global or national scale senario) We come to the Chargoveth Maps Export to global or national scale senario) Separate to global scale the residuols. Full Export to global or national scale senario (page 1) to global or national scale senario) We come to the Chargoveth Maps Export to global or national scale senario) We come to the Chargoveth Maps Export to global or national scale senario) We come to the Chargoveth Maps Export to global or national scale senario)
9]:	Expert to petal Choropleth Maps (Helps to identify Global or national scale senario) Webcare to first Choropteth Maps Expert as petal Choropleth Maps (Helps to identify Global or national scale senario) Webcare to first Choropteth Maps Expert as petal Chapter to petal Chapter to petal Chapter to petal Chapter to first Choropteth Maps Expert as petal Chapter to
9]:	Scatter matrix() finite transpal prop of scatter statist() Choropleth Maps (Helps to identify Global or national scale senario) Was among the Crosshaft days five dark in its send does all give yet some ample deposits and why no prevent Stray
9]:	Scatter_matrix() There is not project. The complete of the project of the proje
9]:	Scatter matrix() Street to prospective If it is accommodate to the property of the provided to the provided
9]:	Scatter matrix() Smith to social and on If starter not risk) The starter not risk) Choropleth Maps (Helps to identify Global or national scale senario) According or oriected hyper Evence or not according to a control or not according to the starter or not risk or not or necessary to the starter or not risk or not necessary to the starter or not risk or not necessary to the starter or not risk or not necessary to the starter or necessary to the s
9]: 1]:	Scatter_matrix() Scatter_matr
<pre>4]: 4]:</pre>	Security matrix () The complete Maps (Helps to identify Global or national scale senario) Note that require matrix () The complete Maps (Helps to identify Global or national scale senario) Note that require matrix () The complete Maps (Helps to identify Global or national scale senario) Note that require matrix () The complete Maps (Helps to identify Global or national scale senario) Note that require matrix () The complete Maps (Helps to identify Global or national scale senario) Note that require matrix () The complete Maps () The
9]: 4]: 4]:	Secretary and the control of the con
9]: 4]: 4]:	Section
2]: 4]: 4]:	Section matrix) Characteristics Charac
9]: 4]: 4]:	Section matrix Choropleth Maps (Helps to identify Global or national scale senario) Choropleth Maps (Helps to identify Global or national scale senario) Matrix (Architecture) Matr
	According to the property of t
)]: 1]: 2]: 3]:	Scalar routing Characteristics Charact
[] : [[[[According to the control of the cont
9]: 3]: 4]: 5]:	Characteristics and the control of t
9]: 3]: 4]: 9]:	Characteristics and security of the control of the
9]: 4]: 8]: 8]:	Characteristics and a contraction of
9]: 3]: 4]: 9]:	Characterist Maps (Holps to seemidy Clobal or national socials socials and in the control of the
9]: 3]: 4]: 9]:	Characteristics and Control of Co
9]: 4]: 7]:	Characteristics and the control of t