In [1]:
```
import pandas as pd
import numpy as np
import matplotlib.pyplot as plt
```

In [135]:
```
data=pd.read_csv(r"C:\Users\user\Desktop\Vicky\5 Instagram data.csv")
```

In [137]:
```
data.head()
```

Out[137]:

	Impressions	From Home	From Hashtags	From Explore	From Other	Saves	Comments	Shares	Likes	Profile Visits	Fol
0	3920	2586	1028	619	56	98	9	5	162	35	
1	5394	2727	1838	1174	78	194	7	14	224	48	
2	4021	2085	1188	0	533	41	11	1	131	62	
3	4528	2700	621	932	73	172	10	7	213	23	
4	2518	1704	255	279	37	96	5	4	123	8	

In [138]:
```
data.tail()
```

Out[138]:

	Impressions	From Home	From Hashtags	From Explore	From Other	Saves	Comments	Shares	Likes	Profile Visits	F
114	13700	5185	3041	5352	77	573	2	38	373	73	
115	5731	1923	1368	2266	65	135	4	1	148	20	
116	4139	1133	1538	1367	33	36	0	1	92	34	
117	32695	11815	3147	17414	170	1095	2	75	549	148	
118	36919	13473	4176	16444	2547	653	5	26	443	611	

In [139]:
```
data.isna()
```

Out[139]:

	Impressions	From Home	From Hashtags	From Explore	From Other	Saves	Comments	Shares	Likes	Profile Visits	F
0	False	False	False	False	False	False	False	False	False	False	
1	False	False	False	False	False	False	False	False	False	False	
2	False	False	False	False	False	False	False	False	False	False	
3	False	False	False	False	False	False	False	False	False	False	
4	False	False	False	False	False	False	False	False	False	False	
...	...	...	...	...	...	...	...	...	...	...	
114	False	False	False	False	False	False	False	False	False	False	
115	False	False	False	False	False	False	False	False	False	False	
116	False	False	False	False	False	False	False	False	False	False	
117	False	False	False	False	False	False	False	False	False	False	
118	False	False	False	False	False	False	False	False	False	False	

119 rows × 13 columns

In [140]:
```
data.fillna(value=5)
```

Out[140]:

	Impressions	From Home	From Hashtags	From Explore	From Other	Saves	Comments	Shares	Likes	Profile Visits	F
0	3920	2586	1028	619	56	98	9	5	162	35	
1	5394	2727	1838	1174	78	194	7	14	224	48	
2	4021	2085	1188	0	533	41	11	1	131	62	
3	4528	2700	621	932	73	172	10	7	213	23	
4	2518	1704	255	279	37	96	5	4	123	8	
...	...	...	...	...	...	...	...	...	...	...	
114	13700	5185	3041	5352	77	573	2	38	373	73	
115	5731	1923	1368	2266	65	135	4	1	148	20	
116	4139	1133	1538	1367	33	36	0	1	92	34	
117	32695	11815	3147	17414	170	1095	2	75	549	148	

	Impressions	From Home	From Hashtags	From Explore	From Other	Saves	Comments	Shares	Likes	Profile Visits	F
118	36919	13473	4176	16444	2547	653	5	26	443	611	

119 rows × 13 columns

In [141]:
```
data.shape
```

Out[141]: (119, 13)

In [142]:
```
data.size
```

Out[142]: 1547

In [143]:
```
pd.isna(data)
```

Out[143]:

	Impressions	From Home	From Hashtags	From Explore	From Other	Saves	Comments	Shares	Likes	Profile Visits	F
0	False	False	False	False	False	False	False	False	False	False	
1	False	False	False	False	False	False	False	False	False	False	
2	False	False	False	False	False	False	False	False	False	False	
3	False	False	False	False	False	False	False	False	False	False	
4	False	False	False	False	False	False	False	False	False	False	
...	...	...	...	...	...	...	...	...	...	...	
114	False	False	False	False	False	False	False	False	False	False	
115	False	False	False	False	False	False	False	False	False	False	
116	False	False	False	False	False	False	False	False	False	False	
117	False	False	False	False	False	False	False	False	False	False	
118	False	False	False	False	False	False	False	False	False	False	

119 rows × 13 columns

In [144]:
```
data.dropna()
```

Out[144]:

	Impressions	From Home	From Hashtags	From Explore	From Other	Saves	Comments	Shares	Likes	Profile Visits	F
0	3920	2586	1028	619	56	98	9	5	162	35	
1	5394	2727	1838	1174	78	194	7	14	224	48	
2	4021	2085	1188	0	533	41	11	1	131	62	
3	4528	2700	621	932	73	172	10	7	213	23	
4	2518	1704	255	279	37	96	5	4	123	8	
...	...	...	...	...	...	...	...	...	...	...	
114	13700	5185	3041	5352	77	573	2	38	373	73	
115	5731	1923	1368	2266	65	135	4	1	148	20	
116	4139	1133	1538	1367	33	36	0	1	92	34	
117	32695	11815	3147	17414	170	1095	2	75	549	148	

	Impressions	From Home	From Hashtags	From Explore	From Other	Saves	Comments	Shares	Likes	Profile Visits	F
118	36919	13473	4176	16444	2547	653	5	26	443	611	

119 rows × 13 columns

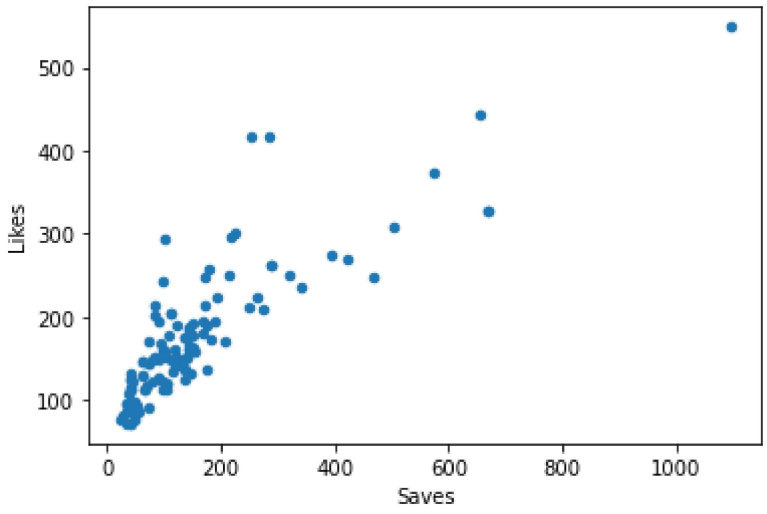
In [145]:
```
data.describe()
```

Out[145]:

	Impressions	From Home	From Hashtags	From Explore	From Other	Saves	Comn
count	119.000000	119.000000	119.000000	119.000000	119.000000	119.000000	119.0(
mean	5703.991597	2475.789916	1887.512605	1078.100840	171.092437	153.310924	6.6(
std	4843.780105	1489.386348	1884.361443	2613.026132	289.431031	156.317731	3.5
min	1941.000000	1133.000000	116.000000	0.000000	9.000000	22.000000	0.0(
25%	3467.000000	1945.000000	726.000000	157.500000	38.000000	65.000000	4.0(
50%	4289.000000	2207.000000	1278.000000	326.000000	74.000000	109.000000	6.0(
75%	6138.000000	2602.500000	2363.500000	689.500000	196.000000	169.000000	8.0(
max	36919.000000	13473.000000	11817.000000	17414.000000	2547.000000	1095.000000	19.0(

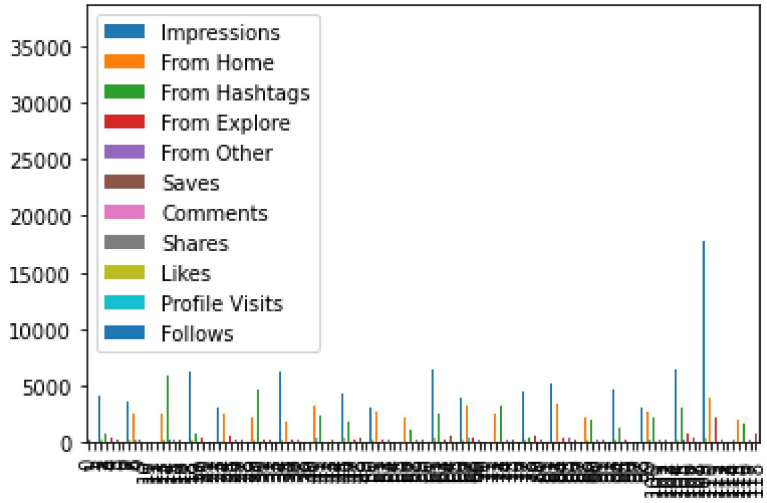
In [147]:
```
data.plot.scatter("Saves","Likes")
```

Out[147]:
```
<AxesSubplot:xlabel='Saves', ylabel='Likes'>
```



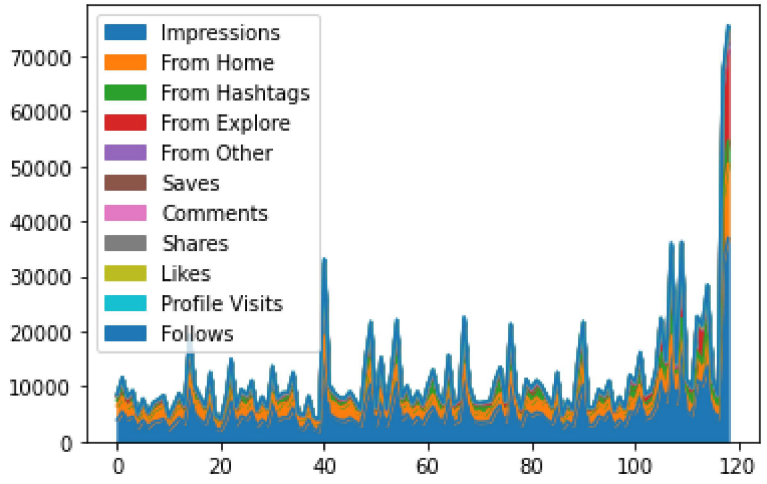
In [148]:
```
data.plot.bar()
```

Out[148]: <AxesSubplot:>



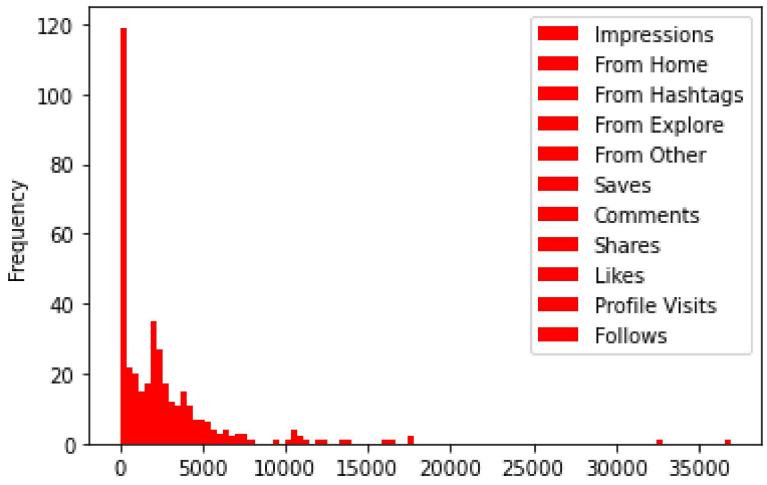
In [149]:
```
data.plot.area()
```

Out[149]: <AxesSubplot:>



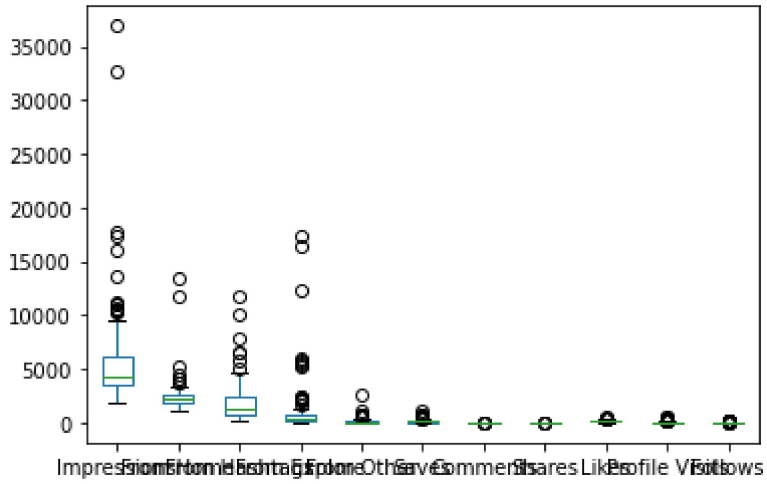
In [150]:
```
data.plot.hist(bins=100,color="r")
```

Out[150]: <AxesSubplot:ylabel='Frequency'>

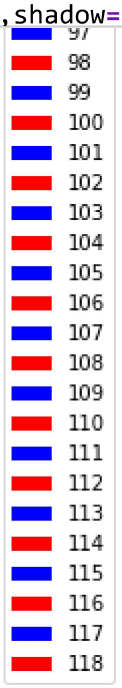


In [151]:
```
data.plot.box()
```

Out[151]: <AxesSubplot:>



In [152]:
```
cols=["r","b"]
data.plot.pie(y="Saves",shadow=True,startangle=90,colors=cols)
```

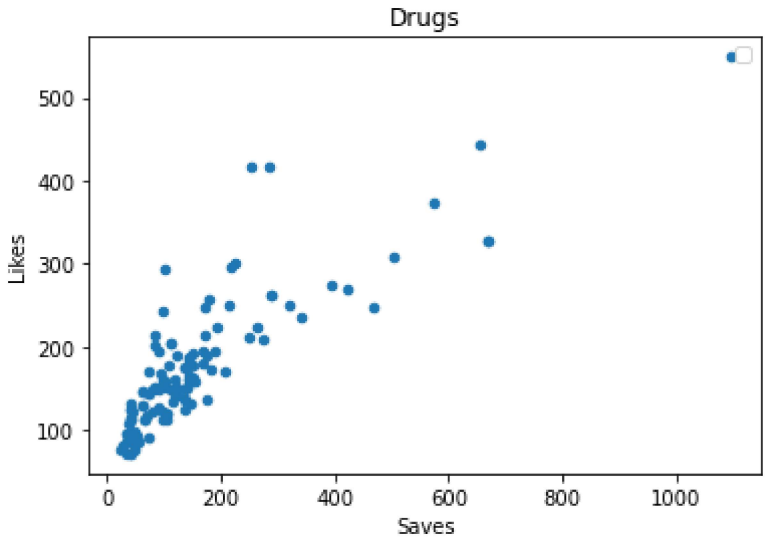


In [153]:
```
data.plot.scatter(x="Saves",y="Likes")


plt.title("Drugs")
plt.legend()
```

```
No handles with labels found to put in legend.
```

Out[153]:
```
<matplotlib.legend.Legend at 0x244005f1400>
```



In [154]:
```
from numpy import linalg as la
```

In [155]:
```
data.mean()
```

Out[155]:
```
Impressions       5703.991597
From Home         2475.789916
From Hashtags     1887.512605
From Explore      1078.100840
From Other         171.092437
Saves              153.310924
Comments             6.663866
Shares               9.361345
Likes              173.781513
Profile Visits      50.621849
Follows             20.756303
dtype: float64
```

In [156]:
```
data.median()
```

Out[156]:
```
Impressions       4289.0
From Home         2207.0
From Hashtags     1278.0
From Explore       326.0
From Other          74.0
Saves              109.0
Comments             6.0
Shares               6.0
Likes              151.0
Profile Visits      23.0
Follows              8.0
dtype: float64
```

In [157]:
```
data.mode()
```

Out[157]:

	Impressions	From Home	From Hashtags	From Explore	From Other	Saves	Comments	Shares	Likes	Profile Visits	F
0	5394.0	1975.0	116	45.0	34.0	40.0	6.0	3.0	114.0	19.0	
1	NaN	NaN	201	84.0	NaN	135.0	NaN	NaN	151.0	21.0	
2	NaN	NaN	278	NaN	NaN	144.0	NaN	NaN	NaN	NaN	
3	NaN	NaN	362	NaN	NaN	NaN	NaN	NaN	NaN	NaN	
4	NaN	NaN	411	NaN	NaN	NaN	NaN	NaN	NaN	NaN	
5	NaN	NaN	583	NaN	NaN	NaN	NaN	NaN	NaN	NaN	
6	NaN	NaN	655	NaN	NaN	NaN	NaN	NaN	NaN	NaN	
7	NaN	NaN	707	NaN	NaN	NaN	NaN	NaN	NaN	NaN	
8	NaN	NaN	771	NaN	NaN	NaN	NaN	NaN	NaN	NaN	
9	NaN	NaN	794	NaN	NaN	NaN	NaN	NaN	NaN	NaN	
10	NaN	NaN	1248	NaN	NaN	NaN	NaN	NaN	NaN	NaN	
11	NaN	NaN	1260	NaN	NaN	NaN	NaN	NaN	NaN	NaN	
12	NaN	NaN	1278	NaN	NaN	NaN	NaN	NaN	NaN	NaN	
13	NaN	NaN	1693	NaN	NaN	NaN	NaN	NaN	NaN	NaN	
14	NaN	NaN	1938	NaN	NaN	NaN	NaN	NaN	NaN	NaN	
15	NaN	NaN	2351	NaN	NaN	NaN	NaN	NaN	NaN	NaN	
16	NaN	NaN	2975	NaN	NaN	NaN	NaN	NaN	NaN	NaN	
17	NaN	NaN	3450	NaN	NaN	NaN	NaN	NaN	NaN	NaN	
18	NaN	NaN	3551	NaN	NaN	NaN	NaN	NaN	NaN	NaN	

In [158]:
```
data.std()
```

Out[158]:
```
Impressions       4843.780105
From Home         1489.386348
From Hashtags     1884.361443
From Explore      2613.026132
From Other         289.431031
Saves              156.317731
Comments             3.544576
Shares              10.089205
Likes               82.378947
Profile Visits      87.088402
Follows             40.921580
dtype: float64
```

In [159]:
```
data.var()
```

Out[159]:
```
Impressions       2.346221e+07
From Home         2.218272e+06
From Hashtags     3.550818e+06
From Explore      6.827906e+06
From Other        8.377032e+04
Saves             2.443523e+04
Comments          1.256402e+01
Shares            1.017921e+02
Likes             6.786291e+03
Profile Visits    7.584390e+03
Follows           1.674576e+03
dtype: float64
```

In [160]:
```
data.max()
```

Out[160]:
```
Impressions                                                 36919
From Home                                                   13473
From Hashtags                                               11817
From Explore                                                17414
From Other                                                   2547
Saves                                                        1095
Comments                                                       19
Shares                                                         75
Likes                                                         549
Profile Visits                                                611
Follows                                                       260
Caption           You must have seen the news divided into categ...
Hashtags          #timeseries#time#statistics#datascience#bi...
dtype: object
```

In [161]:
```
data.min()
```

Out[161]:
```
Impressions                                                    1941
From Home                                                      1133
From Hashtags                                                   116
From Explore                                                      0
From Other                                                        9
Saves                                                            22
Comments                                                          0
Shares                                                            0
Likes                                                            72
Profile Visits                                                    4
Follows                                                           0
Caption                170 Python Projects with Source Code solved an...
Hashtags               #career#job#jobs#jobsearch#education#busi...
dtype: object
```

In [170]:
```
data1=data[["Saves","Likes"]]
data1
```

Out[170]:

	Saves	Likes
0	98	162
1	194	224
2	41	131
3	172	213
4	96	123
...	...	...
114	573	373
115	135	148
116	36	92
117	1095	549
118	653	443

119 rows × 2 columns

In [163]:
```
data1.sum()
```

Out[163]:
```
Sum of Jan    5.62%4.21%9.83%2.81%25.28%8.15%18.54%25.56%100...
Sum of Feb    7.73%17.27%11.60%21.91%10.57%16.24%8.76%5.93%1...
dtype: object
```

In [164]:
```
data.cumsum()
```

Out[164]:

	Impressions	From Home	From Hashtags	From Explore	From Other	Saves	Comments	Shares	Likes	Profile Visits
0	3920	2586	1028	619	56	98	9	5	162	35
1	9314	5313	2866	1793	134	292	16	19	386	83
2	13335	7398	4054	1793	667	333	27	20	517	145
3	17863	10098	4675	2725	740	505	37	27	730	168
4	20381	11802	4930	3004	777	601	42	31	853	176
...	...	...	...	...	...	...	...	...	...	...
114	599291	266275	214385	90803	17545	16325	782	1011	19448	5211
115	605022	268198	215753	93069	17610	16460	786	1012	19596	5231
116	609161	269331	217291	94436	17643	16496	786	1013	19688	5265
117	641856	281146	220438	111850	17813	17591	788	1088	20237	5413

	Impressions	From Home	From Hashtags	From Explore	From Other	Saves	Comments	Shares	Likes	Profile Visits
118	678775	294619	224614	128294	20360	18244	793	1114	20680	6024

119 rows × 13 columns

In [165]:
```
data1.cumsum()
```

Out[165]:

	Sum of Jan	
0	5.62%	
1	5.62%4.21%	
2	5.62%4.21%9.83%	7.73%
3	5.62%4.21%9.83%2.81%	7.73%17.27%
4	5.62%4.21%9.83%2.81%25.28%	7.73%17.27%11.60%2
5	5.62%4.21%9.83%2.81%25.28%8.15%	7.73%17.27%11.60%21.91%
6	5.62%4.21%9.83%2.81%25.28%8.15%18.54%	7.73%17.27%11.60%21.91%10.57%
7	5.62%4.21%9.83%2.81%25.28%8.15%18.54%25.56%	7.73%17.27%11.60%21.91%10.57%16.24
8	5.62%4.21%9.83%2.81%25.28%8.15%18.54%25.56%100...	7.73%17.27%11.60%21.91%10.57%16.24%8

In [168]:
```
from scipy.stats import spearmanr
from scipy.stats import pearsonr
```

In [171]:
```
print(spearmanr(data,data1))
```

```
SpearmanrResult(correlation=array([[ 1.        ,  0.54111916,  0.78284883,
0.60853014,  0.47271031,
         0.6878312 ,  0.22460215,  0.46509098,  0.85372195,  0.65391264,
         0.76249303, -0.11923572, -0.07834586,  0.6878312 ,  0.85372195],
       [ 0.54111916,  1.        ,  0.11752787,  0.45713177,  0.17735755,
         0.70528458,  0.33121214,  0.57572567,  0.70511803,  0.24471092,
         0.35010337, -0.23189933, -0.0455001 ,  0.70528458,  0.70511803],
       [ 0.78284883,  0.11752787,  1.        ,  0.23560225,  0.37665975,
         0.39464139,  0.15544285,  0.25112206,  0.62531318,  0.58361583,
         0.56200148, -0.05454856, -0.13141977,  0.39464139,  0.62531318],
       [ 0.60853014,  0.45713177,  0.23560225,  1.        ,  0.25895127,
         0.64740417,  0.01499004,  0.42173515,  0.53149329,  0.32531341,
         0.48242707, -0.23297645,  0.03177927,  0.64740417,  0.53149329],
       [ 0.47271031,  0.17735755,  0.37665975,  0.25895127,  1.        ,
         0.30024895, -0.13413307,  0.28323067,  0.38385759,  0.60508262,
         0.61659294,  0.12707647,  0.04178666,  0.30024895,  0.38385759],
       [ 0.6878312 ,  0.70528458,  0.39464139,  0.64740417,  0.30024895,
         1.        ,  0.18289067,  0.61795509,  0.84970296,  0.25819824,
         0.43528821, -0.3177887 , -0.12563038,  1.        ,  0.84970296],
       [ 0.22460215,  0.33121214,  0.15544285,  0.01499004, -0.13413307,
         0.18289067,  1.        ,  0.13394561,  0.30573301,  0.02867602,
        -0.07851576, -0.12214797,  0.04169435,  0.18289067,  0.30573301],
       [ 0.46509098,  0.57572567,  0.25112206,  0.42173515,  0.28323067,
         0.61795509,  0.13394561,  1.        ,  0.5692667 ,  0.11292941,
         0.22778796, -0.30178224, -0.26236235,  0.61795509,  0.5692667 ],
       [ 0.85372195,  0.70511803,  0.62531318,  0.53149329,  0.38385759,
         0.84970296,  0.30573301,  0.5692667 ,  1.        ,  0.48510841,
         0.56795648, -0.24411165, -0.06717791,  0.84970296,  1.        ],
       [ 0.65391264,  0.24471092,  0.58361583,  0.32531341,  0.60508262,
         0.25819824,  0.02867602,  0.11292941,  0.48510841,  1.        ,
         0.75762796,  0.23631128,  0.06655087,  0.25819824,  0.48510841],
       [ 0.76249303,  0.35010337,  0.56200148,  0.48242707,  0.61659294,
         0.43528821, -0.07851576,  0.22778796,  0.56795648,  0.75762796,
         1.        ,  0.02301764,  0.03617207,  0.43528821,  0.56795648],
       [-0.11923572, -0.23189933, -0.05454856, -0.23297645,  0.12707647,
        -0.3177887 , -0.12214797, -0.30178224, -0.24411165,  0.23631128,
         0.02301764,  1.        , -0.04940412, -0.3177887 , -0.24411165],
       [-0.07834586, -0.0455001 , -0.13141977,  0.03177927,  0.04178666,
        -0.12563038,  0.04169435, -0.26236235, -0.06717791,  0.06655087,
         0.03617207, -0.04940412,  1.        , -0.12563038, -0.06717791],
       [ 0.6878312 ,  0.70528458,  0.39464139,  0.64740417,  0.30024895,
         1.        ,  0.18289067,  0.61795509,  0.84970296,  0.25819824,
         0.43528821, -0.3177887 , -0.12563038,  1.        ,  0.84970296],
       [ 0.85372195,  0.70511803,  0.62531318,  0.53149329,  0.38385759,
         0.84970296,  0.30573301,  0.5692667 ,  1.        ,  0.48510841,
         0.56795648, -0.24411165, -0.06717791,  0.84970296,  1.        ]]), p
value=array([[0.00000000e+00, 2.10415376e-10, 7.27363663e-26, 2.11639002e-13,
        5.69101183e-08, 5.57179233e-18, 1.40602879e-02, 9.87370888e-08,
        5.99576983e-35, 7.44719262e-16, 7.20467362e-24, 1.96498538e-01,
        3.97031859e-01, 5.57179233e-18, 5.99576983e-35],
       [2.10415376e-10, 0.00000000e+00, 2.03031656e-01, 1.73105178e-07,
        5.36505126e-02, 3.42866380e-19, 2.33805392e-04, 7.40589087e-12,
        3.52449378e-19, 7.31369934e-03, 9.49535634e-05, 1.11578948e-02,
        6.23169718e-01, 3.42866380e-19, 3.52449378e-19],
       [7.27363663e-26, 2.03031656e-01, 0.00000000e+00, 9.89702195e-03,
        2.42059331e-05, 8.94486953e-06, 9.13997462e-02, 5.87294543e-03,
        2.91561315e-14, 3.26524361e-12, 2.92493122e-11, 5.55718716e-01,
```

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 4.99691207e-10, 3.06196498e-04, 2.76348912e-08, 1.07773566e-02,
 7.31524496e-01, 1.77560737e-15, 4.99691207e-10],
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 1.63641548e-05, 3.13480037e-13, 8.28733146e-14, 1.68450863e-01,
 6.51827905e-01, 9.07782657e-04, 1.63641548e-05],
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 9.07782657e-04, 0.00000000e+00, 4.64953934e-02, 7.05458788e-14,
 2.59014227e-34, 4.58086204e-03, 7.52530656e-07, 4.28584449e-04,
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 7.21460549e-04, 7.56880163e-01, 3.96005685e-01, 1.85711169e-01,
 6.52547062e-01, 4.64953934e-02, 7.21460549e-04],
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 3.94533941e-03, 7.05458788e-14, 1.42478205e-11],
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 0.00000000e+00, 2.25503976e-08, 1.62421738e-11, 7.46317514e-03,
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 4.72067533e-01, 4.58086204e-03, 2.25503976e-08],
[7.20467362e-24, 9.49535634e-05, 2.92493122e-11, 2.76348912e-08,
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 7.46317514e-03, 9.67042936e-03, 8.03766594e-01, 0.00000000e+00,
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 0.00000000e+00, 2.25503976e-08, 1.62421738e-11, 7.46317514e-03,
 4.67894001e-01, 2.59014227e-34, 0.00000000e+00]]))
```

In [75]:
```
from numpy import mean,std,cov
from numpy.random import randn,seed
from matplotlib import pyplot
```

In [ ]:

In [173]:
```
data.fillna(value=5)
```

Out[173]:

	Impressions	From Home	From Hashtags	From Explore	From Other	Saves	Comments	Shares	Likes	Profile Visits	F
0	3920	2586	1028	619	56	98	9	5	162	35	
1	5394	2727	1838	1174	78	194	7	14	224	48	
2	4021	2085	1188	0	533	41	11	1	131	62	
3	4528	2700	621	932	73	172	10	7	213	23	
4	2518	1704	255	279	37	96	5	4	123	8	
...	...	...	...	...	...	...	...	...	...	...	
114	13700	5185	3041	5352	77	573	2	38	373	73	
115	5731	1923	1368	2266	65	135	4	1	148	20	
116	4139	1133	1538	1367	33	36	0	1	92	34	
117	32695	11815	3147	17414	170	1095	2	75	549	148	

	Impressions	From Home	From Hashtags	From Explore	From Other	Saves	Comments	Shares	Likes	Profile Visits	F
118	36919	13473	4176	16444	2547	653	5	26	443	611	

119 rows × 13 columns

In [174]:
```
data.count()
```

Out[174]:
```
Impressions       119
From Home         119
From Hashtags     119
From Explore      119
From Other        119
Saves             119
Comments          119
Shares            119
Likes             119
Profile Visits    119
Follows           119
Caption           119
Hashtags          119
dtype: int64
```

In [175]:
```
data.count
```

Out[175]:
```
<bound method DataFrame.count of      Impressions  From Home  From Hashtags
From Explore  From Other  Saves  \
0            3920       2586           1028          619           56     98
1            5394       2727           1838         1174           78    194
2            4021       2085           1188            0          533     41
3            4528       2700            621          932           73    172
4            2518       1704            255          279           37     96
..            ...        ...            ...          ...          ...    ...
114         13700       5185           3041         5352           77    573
115          5731       1923           1368         2266           65    135
116          4139       1133           1538         1367           33     36
117         32695      11815           3147        17414          170   1095
118         36919      13473           4176        16444         2547    653

     Comments  Shares  Likes  Profile Visits  Follows  \
0           9       5    162              35        2
1           7      14    224              48       10
2          11       1    131              62       12
3          10       7    213              23        8
4           5       4    123               8        0
..        ...     ...    ...             ...      ...
114         2      38    373              73       80
115         4       1    148              20       18
116         0       1     92              34       10
117         2      75    549             148      214
118         5      26    443             611      228

                                              Caption  \
0    Here are some of the most important data visua...
1    Here are some of the best data science project...
2    Learn how to train a machine learning model an...
3    Here's how you can write a Python program to d...
4    Plotting annotations while visualizing your da...
..                                                 ...
114  Here are some of the best data science certifi...
115  Clustering is a machine learning technique use...
116  Clustering music genres is a task of grouping ...
117  Here are some of the best data science certifi...
118  175 Python Projects with Source Code solved an...

                                              Hashtags
0    #finance#money#business#investing#investme...
1    #healthcare#health#covid#data#datascience#...
2    #data#datascience#dataanalysis#dataanalytic...
3    #python#pythonprogramming#pythonprojects#py...
4    #datavisualization#datascience#data#dataana...
..                                                 ...
114  #datascience#datasciencejobs#datasciencetrai...
115  #machinelearning#machinelearningalgorithms#d...
116  #machinelearning#machinelearningalgorithms#d...
117  #datascience#datasciencejobs#datasciencetrai...
118  #python#pythonprogramming#pythonprojects#py...

[119 rows x 13 columns]>
```

In [176]:
```
data.columns
```

Out[176]:
```
Index(['Impressions', 'From Home', 'From Hashtags', 'From Explore',
       'From Other', 'Saves', 'Comments', 'Shares', 'Likes', 'Profile Visit
s',
       'Follows', 'Caption', 'Hashtags'],
      dtype='object')
```

In [132]:
```
data.iloc[3]
```

Out[132]:
```
Row Labels                D
Sum of Jan            2.81%
Sum of Feb           21.91%
Sum of Mar            7.88%
Sum of Total Sales     127
Name: 3, dtype: object
```

In [177]:
```
data.dropna(axis=1,how="any")
```

Out[177]:

	Impressions	From Home	From Hashtags	From Explore	From Other	Saves	Comments	Shares	Likes	Profile Visits	F
0	3920	2586	1028	619	56	98	9	5	162	35	
1	5394	2727	1838	1174	78	194	7	14	224	48	
2	4021	2085	1188	0	533	41	11	1	131	62	
3	4528	2700	621	932	73	172	10	7	213	23	
4	2518	1704	255	279	37	96	5	4	123	8	
...	...	...	...	...	...	...	...	...	...	...	
114	13700	5185	3041	5352	77	573	2	38	373	73	
115	5731	1923	1368	2266	65	135	4	1	148	20	
116	4139	1133	1538	1367	33	36	0	1	92	34	
117	32695	11815	3147	17414	170	1095	2	75	549	148	

	Impressions	From Home	From Hashtags	From Explore	From Other	Saves	Comments	Shares	Likes	Profile Visits	F
118	36919	13473	4176	16444	2547	653	5	26	443	611	

119 rows × 13 columns

In [179]:
```
data.index
```

Out[179]:
```
RangeIndex(start=0, stop=119, step=1)
```

In [ ]:
```

```