storeinfo.head(5)

Out[96]:

Storenum City State Zip unknown

0 2 ST. PETERSBURG FL 33710 0

1 3 ST. LOUIS MO 63126 0

2 4 LITTLE ROCK AR 72201 0

3 7 FORT WORTH TX 76137 0

4 9 TEMPE AZ 85281 0

storeinfo.groupby(['State'])['Storenum'].count()

Out[97]:

State

AL 13

AR 27

AZ 26

CA 8

CO 14

FL 48

GA 16

IA 5

ID 3

IL 3

IN 2

KS 15

KY 14

LA 22

MO 20

MS 7

MT 3

NC 24

NE 4

NJ 3

NM 6

NV 5

NY 2

OH 25

OK 15

SC 8

TN 19

TX 79

UT 6

VA 10

WY 1

Name: Storenum, dtype: int64

storeil=storeinfo[storeinfo.State=='IL']

print (storeil) #storenum is 603,1003,4903

Storenum City State Zip unknown

42 603 FAIRVIEW HEIGHTS IL 62208 1

64 1003 MARION IL 62959 1

251 4903 MOLINE IL 61265 1

valuecount = pd.DataFrame(df['SKU'].value\_counts())

valuecount.head(10)

Out[107]:

SKU

4108011 1773

3524026 1064

3978011 934

2783996 829

5528349 799

4208011 655

6318344 618

803921 600

3161221 574

2698353 558

g=testbasket.groupby(pd.Grouper(freq="M"))

g.count()

Out[109]:

basket date register store trannum

date

2004-08-31 1059 1059 1059 1059 1059

2004-09-30 1268 1268 1268 1268 1268

2004-10-31 4387 4387 4387 4387 4387

2004-11-30 2355 2355 2355 2355 2355

2004-12-31 3686 3686 3686 3686 3686

2005-01-31 2212 2212 2212 2212 2212

2005-02-28 3560 3560 3560 3560 3560

2005-03-31 3269 3269 3269 3269 3269

2005-04-30 1643 1643 1643 1643 1643

2005-05-31 1303 1303 1303 1303 1303

2005-06-30 1408 1408 1408 1408 1408

2005-07-31 1569 1569 1569 1569 1569

2005-08-31 1531 1531 1531 1531 1531

finals20.head()

Out[113]:

trueantecedents trueconsequents support confidence lift \

128 [2801257] [6931514] 0.000581 1.0 975.000000

67 [929823] [4980033] 0.000752 1.0 411.971831

5 [270789] [7351914] 0.000752 1.0 311.170213

69 [989823] [4980033] 0.000684 1.0 411.971831

91 [2266446] [7351914] 0.000650 1.0 311.170213

leverage

128 0.000581

67 0.000750

5 0.000750

69 0.000682

91 0.000647

finalresultcopy.head(10)

Out[116]:

sku description sku\_x description sku description \

0 2.80126e+06 BLUE 2801257.0 NaN 6.93151e+06 BLUE

1 929823 CELEBRT 929823.0 NaN 4.98003e+06 CELEBRT

2 270789 CELEBRT 270789.0 NaN 7.35191e+06 CELEBRT

3 989823 CELEBRT 989823.0 NaN 4.98003e+06 CELEBRT

4 2.26645e+06 CELEBRT 2266446.0 NaN 7.35191e+06 CELEBRT

5 4.47222e+06 CELEBRT 4472217.0 NaN 7.35191e+06 CELEBRT

6 3.89801e+06 CLINIQUE 3898011.0 CLINIQUE 3.96801e+06 CLINIQUE

7 4.55222e+06 CELEBRT 4552217.0 NaN 7.35191e+06 CELEBRT

8 3.36242e+06 CELEBRT 3362422.0 NaN 7.35191e+06 CELEBRT

9 4.75247e+06 NOB 4752472.0 NaN 4.77247e+06 NOB

sku\_x description

0 6931514.0 NaN

1 4980033.0 NaN

2 7351914.0 NaN

3 4980033.0 NaN

4 7351914.0 NaN

5 7351914.0 NaN

6 3968011.0 NaN

7 7351914.0 NaN

8 7351914.0 NaN

9 4772472.0 NaN