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A Less Sheet-y Methodology: An Application-based Approach to Leveraging ILL Transaction Data

Matt Hartman

Tim Kohn

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A Less Sheet-y Methodology: An Application-based Approach to Leveraging ILL Transaction Data

Matt Hartman, Tim Kohn



Who We Are

- Matt Hartman Head of Resource Sharing
- Tim Kohn Resource Sharing Coordinator







Background







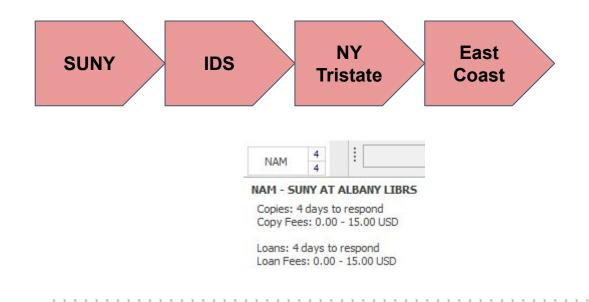
How do we decrease turnaround times AND spend less money?





FAR BEYOND

Decision Making, ILL Loans

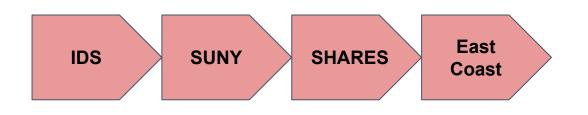


Loan TaT

- 1 New Jersey
- 2 Connecticut
- 3 Massachusetts
- 4 Pennsylvania
- 5 Virginia
- 15 New York
- 32 Idaho
- **33** Florida



Decision Making, ILL Articles



Article TaT

- 1 Texas
- 2 Tennessee
- 3 Pennsylvania
- 4 Nevada
- 5 New York



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M M	No. 188 8818 81 78 38.48 78.486 8 8 CONTRACTOR 17 1448 888 48 886 28.47 81237, 844.87 81237 P48 223	8.12 18 8	INCOMI 1998 4838-473 I B	I IIIII M 48134 IIII88 48148	48124 48148 1 CCC Bulles 48148 1
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	III CEW CINECI ME 38.88 78.88 8 8 /8888 88 CONSI 8. MITCHILL BERE 48.87 P1834.88334 847 1977			I II M 48148 101088 48148	
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				1	48141 48148 1 EEE Pili 4 48141 48143 1 EEE Biiliun 48364 1

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1
                    function onOpen()
               2
                      var ui = SpreadsheetApp.getUi();
               3
                      ui.createMenu('Report')
                4
                          .addItem('Lender', 'Lender')
                5
                          .addItem('Borrowing', 'Borrowing')
                6
                          .addItem('No', 'No')
                7
               8
               9
                          .addToUi();
               10
              11
              12
                    function Lender()
              13
                    var ss = SpreadsheetApp.getActiveSpreadsheet();
              14
              15
                    var first = ss.getSheetByName("Import");
                    var appendSheet = ss.getSheetByName("LendData");
              16
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                    var source_sheet = ss.getSheetByName("CleanLend");
              18
                    var values = source_sheet .getRange("CleanLend!2:" + source_sheet .getLastRow()).getValues();
Articles -
                          CleanBorr -
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                                                                                                                    RESULTS -
                                                                                                                                    Sorted -
                    opreducineetApp.iiiuoin()
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                    first.clearContents()
              23
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                    function Borrowing()
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              27
                    var ss = SpreadsheetApp.getActiveSpreadsheet();
                    var first = ss.getSheetByName("Import");
              28
              29
                    var appendSheet = ss.getSheetByName("BorrData");
              30
                    var source_sheet = ss.getSheetByName("CleanBorr");
                    var values = source_sheet .getRange("CleanBorr!2:" + source_sheet .getLastRow()).getValues();
              31
              32
                      appendSheet.getRange(appendSheet.getLastRow()+1,1,values.length,values[0].length).setValues(values);
              33
                    SpreadsheetApp.flush()
              34
                    first.clearContents()
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              36
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1	A	в	С	D	E	F	G	н	1	J	к	L	М	N	0	P	Q	R	S	т	U	V	w
1	Symbol	Туре	\$ Loan	\$ Article	Lender Receive	Lender Ship	Borrower Receive	Days to Respond	Ship time	Symbol	Loan %	Article %	# of loan	# of article		Loan Count	Ship Time	Art Count	Response	Loans A	rticles	Total Requests	3
2	CGL	Loan	0.00		8/11/2023	8/16/2023	9/14/2023		-34	OSU	27.78	74.93		3 221	i i	CGL	34	BXM	1	1899	1279	3178	8 A2A
3	CS1	Loan	0.00		8/15/2023	8/16/2023	9/1/2023			IXA	43.05	56.99	6	3 89)	CS1	17	BXM	0				A7U
4	YUS	Loan	10.00		8/21/2023	8/22/2023	9/1/2023		11	SYB	48.12	27.27	10	8 3	3	YUS	11	MMV	1				AAA
5	SYB	Loan	0.00		8/22/2023	8/22/2023	9/7/2023		18	TFW	52.63	70.65	4	1 50	3	SYB	16	ZYU	8				AAL
6	RRR	Loan	0.00		8/23/2023	8/24/2023	9/1/2023		9	VJN	29.41	86.44		84	1	RRR	9	TFW	0				ABB
7	SYB	Loan	0.00		8/23/2023	8/24/2023	9/1/2023		9	PAU	45.6	40.74	8	3 5	5	SYB	9	EAU	7				ABC
8	FBR	Loan	0.00		8/23/2023	8/25/2023	9/6/2023		14	TEU	21.43	59.12	1	1 76	5	FBR	14	TKN	0				ACM
9	BNG	Loan	0.00		8/23/2023	8/24/2023	9/7/2023			NNY	0	71.54	-	0 84	1	BNG	15	BXM	5				ACN
10	FBR	Loan	0.00		8/23/2023	8/25/2023	9/6/2023			IWA.	42.22	36.84	5	8 7	7	FBR	14	IXA	1				ACNLC
11	SYB	Loan	0.00		8/23/2023	8/24/2023	9/1/2023		9	ZYU	24.64	59.09	2	0 39	2	SYB	9	NNY	1				AD#
12	BNG	Loan	0.00		8/23/2023	8/24/2023	9/7/2023		15	ZQP	44.04	0	5	7 0	9	BNG	15	BXM	0				ADA
13	BBH	Loan	0.00		8/23/2023	8/25/2023	9/6/2023			DRB	58.14	69.23	5	0 5	5	BBH	14	BXM	0				AEF
14	IWA	Loan	0.00		8/23/2023	8/28/2023	9/6/2023		14	AUM	51.43	38.1	4	8 3	3	IWA	14	IXA	1				AFU
15	UPM	Loan	10.00		8/24/2023	8/29/2023	9/1/2023		8	RRR	45.61	70.59	3	7 12	2	UPM	8	VVB	0				AGM
16	BUF	Loan	0.00		8/23/2023	8/25/2023	9/7/2023		15	IND	32.63	54.55	3	9 10	3	BUF	15	TEU	0				AHH
17	BXM	Article		10.00	8/24/2023	8/25/2023	9/1/2023	1		BNG	25	31.03	3	8 9		HUL	14	NYG	5				AHM
18	HUL	Loan	25.00		8/25/2023	8/29/2023	9/8/2023		14	BXM	18.37	64.29	1	1 33	3	LTM	19	COF	0				AHS
19	LTM	Loan	12.00		8/25/2023	8/30/2023	9/13/2023			TXF	53.85	70.69		8 36	5	GZN	12	YKJ	5				AKC
20	GZN	Loan	15.00		8/25/2023	8/28/2023	9/6/2023		12	NJG	68.25	37.5	4	1 2	2	PBR	13	NNY	0				AKP
21	PBR	Loan	15.00		8/24/2023	8/30/2023	9/6/2023		13	NAM	30.23	74.29	1	7 24	1	BUF	14	NNY	0				AKU
22	BUF	Loan	0.00		8/24/2023	8/28/2023	9/7/2023		14	COF	0	67.16		0 41	1	CKM	14	ZRS	0				ALL
23	CKM	Loan	0.00		8/25/2023	8/28/2023	9/8/2023			MDY	65.31	50	3	9 1	1	WVU	12	ZPM	1				AMH
24	WVU	Loan	0.00		8/25/2023	8/30/2023	9/6/2023		12	BTS	60.87	45.45	3	4 3	3	SYB	13	NYP	2				AMN
25	SYB	Loan	0.00		8/25/2023	8/25/2023	9/7/2023		13	EAU	33.33	57.89	3	2 5	5	UPM	12	OSU	0				ANJ
26	UPM	Loan	10.00		8/25/2023	8/30/2023	9/6/2023		12	WEL	43.59	57.14	2	1 14	1	VRU	7	DRB	1				ANM
27	VRU	Loan	0.00		8/25/2023	8/28/2023	9/1/2023		7	TKN	45.31	52.94	2	4 10	3	YHM	13	BNG	1				ANTCH
28	YHM	Loan	0.00		8/25/2023	8/25/2023	9/7/2023		13	ZEM	86.36	57.14	2	8 5	5	000	7	IXA	1				AP8
29	000	Loan	10.00		8/25/2023	8/29/2023	9/1/2023		7	NYP	35	60	2	9 2	2	TXF	7	TFW	0				APB
30	TXF	Loan	0.00		8/25/2023	8/25/2023	9/1/2023		7	FBR	40.38	Ø	3	0 0	9	IXA	7	ZPM	1				ASB
31	IXA	Loan	0.00		8/25/2023	8/29/2023	9/1/2023		7	BUF	27.03	53.85	1	5 14	1	CC8	10	IXA	0				ASK
32	CC8	Loan	0.00		8/29/2023	8/30/2023	9/8/2023		10	BBH	35	50	2	7 1	1	NDD	11	NNY	0				ASU
33	NDD	Loan	15.00		8/31/2023	9/8/2023	9/11/2023		11	COD	23.53	37.5	2	2 4	1	YHM	10	TSC	1				ASZ
34	YHM	Loan	0.00		8/28/2023	8/29/2023			10	IQU	25	72.41		4 21	1	ZFM		BNG	1				AUM
35	ZFM	Loan	0.00		8/28/2023	8/29/2023				000	37.5			9 5	5	SYB		TEU	0				AUT
36	SYB	Loan	0.00		8/28/2023	8/28/2023			14	PUL	30.12	25			1	YUS		CGU	5				AUU
37	YUS	Loan	10.00		8/28/2023	8/29/2023				EYM	51.85	40.74		4 10	3	IND	4	CGU	3				AVD
38	IND	Loan	0.00		8/28/2023	8/29/2023	9/1/2023			CBY	63.64	37.5			2	NAM		OSU	0				AW3
39	NAM	Loan	0.00		8/28/2023	8/28/2023	9/7/2023		10	PZS	36.36	78.26	2	0 3	3	SYB	14	COF	2				AXJ
40	SYB	Loan	0.00		8/28/2023	8/28/2023	9/11/2023		14	ZRS	60	86.36		9 14	1	VDB	4	TEU	0				AYP
41	VDB	Loan	0.00		8/28/2023	8/29/2023	<mark>9/1/2023</mark>		4	NYG	57.14	48.57		6 17	7	IXA	4	VJN	0				AZK
42	IXA	Loan	0.00		8/28/2023	8/29/2023	9/1/2023		4	UPM	21.43	44.07	1	1 11	1	SYB	14	IXA	1				AZM
43	SYB	Loan	0.00		8/28/2023	8/29/2023	9/11/2023		14	XFM	60	Ø	2	2 @	9	NYP	9	YUS	1				AZS
44	NYP	Loan	0.00		8/28/2023	8/28/2023	9/6/2023		9	TSC	40.48	33.33	2	0 1		WTU	9	IXA	0				AZU
45	WTU	Loan	10.00		8/28/2023	8/30/2023	9/6/2023		9	YUS	37.04	34.78		9 11	1	IWA	9	OSU	0				BAL
46	IWA	Loan	0.00		8/28/2023	8/29/2023	9/6/2023		9	ZCU	26.39	14.29	1	9 1		ONB	9	OSU	0				BAY 🔺
47	ONB	Loan	0.00		8/28/2023	8/29/2023	9/6/2023		9	KSU	34.38	80	1	5 5	5	FQG	9	NNY	0				BBH 🚽

	A		▶ E	FG	Н	1	J	К	L	М	N	0	Р
1	TOP Article	TOP Loan	Loan State	Symbol	Loan IFM	Article IFM	Avg Response	Avg Ship Time	Percent Filled (article)	Percent filled (loan)	Total (article)	Total (Ioan)	
2	NNM	NJG	NJ						0.00	0.00	0.00	0.00	
3	TXF	YLS	NY	A2A	0.00		3.50	10.00	0.00	13.64	-35.00	-22.72	
4	COF	PZS	VA	A7U	10.00		1.00	14.00	0.00	50.00	-10.00	-40.00	
5	RNM	DXU	PA	AAA	0.00	0.00	0.44	7.67	59.19	14.29	113.93		
6	VJN	WLU	CT	ABC			1.00		9.09	0.00	8.18	0.00	
7	YFM	VYA	NY	ACM	15.00		1.00	4.00	0.00	50.00	-10.00	-25.00	
8	VND	WEN	MA	AFSAM		0.00	0.00		100.00	0.00	200.00	0.00	
9	VQT	TSC	MD	AIC	0.00		3.00	10.00	0.00	33.33	-30.00	16.66	
10	IAILL	PLL	PA	ASU	0.00		0.00	7.00	0.00	33.33	0.00	31.66	
11	YCM	TFW	MA	AUM	0.00	0.00	1.25	5.60	27.03	30.86	41.56	33.72	
12	VZJ	VRU	VA	AVD	0.00		0.00	6.00	0.00	16.67	0.00	3.34	
13	VYQ	TKN	TN	AVMAR			2.00		50.00	0.00	80.00	0.00	
14	CS1	ZGM	NY	AW3	0.00		0.00	7.00	0.00	25.00	0.00	15.00	
15	SYB	NJT	NJ	AYP	0.00		0.00	2.00	0.00	3.57	0.00	-2.86	
16	IQU	YDD	NY	AZN	20.00		3.00	9.50	0.00	100.00	-30.00	12.50	
17	VYT	MFS	MD	AZO	0.00		0.00	9.00	0.00	11.11	0.00	-22.78	
18	AAA	DRB	NH	AZU	10.00	10.00	0.67	6.50	35.00	9.52	-6.67	-83.46	
19	NAM	ZHC	NY	BBH	0.00	0.00	1.02	6.04	47.83	29.58	85.44	28.95	
20	ZLM	AUM	MA	BCO	0.00		0.00	15.00	0.00	33.33	0.00	-8.34	
21	CSA	CBY	ME	BER	0.00		1.00	6.00	0.00	10.00	-10.00	-10.00	
22	ZRS	CTW	CT	BGU	20.00		2.00	7.00	0.00	100.00	-20.00	25.00	
23	MDY	COD	CO	BKL	0.00		3.90	8.80	0.00	16.67	-39.00	-10.66	
24	VGA	BBH	ME	BMC	10.00		0.00	3.00	0.00	8.33	0.00	-68.34	
25	YTM	VVR	NY	BMU	15.00		1.00	4.00	0.00	25.00	-10.00	-75.00	

Configure Custom Holdings Paths

Required fields are marked with an asterisk '			
Custom Holdings Path	BOOKS	~	
Custom Holdings Path			
* Custom Holdings Path Name	BOOKS		Create New Custom Hold
Description:			
		9	
Add an	d remove groups between these lists to configure you	r custom holdings path. Drag and drop to order your	custom holdings path.
Choose from available Custom Holdings	Groups (13)	Groups chosen for this path (10)	
BOOSTA	Add	+ BOOSTB	
ECHEAP		+ FREELOCAL	
ELVIS		+ FREEAST	
EPAID		+ FREEREST	
		1 THEENEOT	
IDS		+ SHARESNE	
IDS IDSDOWNSTATE			
C. M. Statement and the second		+ SHARESNE	
IDSDOWNSTATE			
IDSDOWNSTATE IDSNEW		 	

To modify or delete available groups visit the *Custom Holdings Groups* ⊕ page.

Configure Custom Holdings Groups

Required fields are marked with an asterisk * Display groups: by group name | by symbol

Custom Holdings Groups	BOOSTA	~						
Custom Holdings Groups	Add/Edit OOL O symphole							
* Custom Holdings Groups Name:	Add/Edit OCLC symbols	Create New Custom Holdings Group						
Description:	Enter the OCLC institution codes of the libraries symbols. You can highlight and delete codes as separate window.	the						
OCLC Symbol(s) Symbols currently in the group: 65	AAA AUM BBH BNG BUF CBY CLART COD COF CS1 CSA DLC DRB EAU HUH IAILL IQU IWA JHE MDY NAM NGA NNM NRC NYP OSU RNM RRR RVE SYB TEU TFW TKN TXF TYC UCW VGA VJN VND VQT VRU VVB VWB VXW VYQ VYT VZJ WEL WLU XBM XFM XLM YBM YCM YFM YTM ZCU ZCZ ZEM ZIH ZLM ZNC ZOW ZRS ZYU							
		Update Symbols Cano	zel					
	BOWDOIN COL		_					
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	BUF SUNY AT BUFFALO	۲						
		<u> </u>						

Detail OCLC	History Z39.5	0 PubMed/Dodin	e												
Searching Rec	ord Detail Holdin	ngs Work Form													
▲ BOOSTB															Í
TFW	4	CBY	4	ONB	4 4	AUM	4	NJG	2	ZCU	8	PLL	8	DRB	4
IND	4	PAU	4 8	VSI	4 20	COD	4 4	BTS	4	MFS	4	MDY	4 4		
A FREELOCAL															
XQM	4	СТХ	4	CTL	4	TYC	4	VVX	4	ydd	4	YLS	4	٤٧٧	8
VVP	4	ALA	4 8	VDB	4	ZXC	4								
FREEEAST															
YPM	4	VVC	8	RVE	4	VVV	4	WLU	4	VDN	20 20	ZAM	4	YOM	2
СКМ	8	BUF	8	VXV	4	jhe	4	ZQM	4						
▲ FREEREST															
IQU	4	CHU	4	HDC	8 12	AAA	4	CSJ	4	CS1	4 4	WVU	4 4		
▲ SHARESNE															
DLM	4	COO	4 4	NJR	4	EMI	4	UMC	4	RBN	4 4	PUL	8	VYF	4
UPM	4	ZYU	8	TEU	4	EYM	4								
▲ SHARESSE															
Default Local															



Percentage of Borrowing Acquired for Free YSM OCLC Lending Profits minus Borrow Expenses 100.00% \$1,000.00 90.00% \$0.00 % Free Borrow 80.00% Profit -\$1,000.00 70.00% -\$2,000.00 60.00% Jan 2020 Jan 2021 Jan 2022 -\$3,000.00 Jan 2020 Jan 2021 Jan 2022 Jan 2023 Date

Jan 2024



Fruit	Count	Cost (Each)	Tax (Each)	Shipping Cost
Apple	8	\$1.00	\$0.09	\$0.55
Banana	21	\$0.78	\$0.07	\$0.22
Coconut	4	\$2.50	\$0.22	\$1.30





Fruit	Count	Price (Each)	Tax (Each)	Shipping Cost	Total Price	Total Tax	Total Cost
Apple	8	\$1.00	\$0.09	\$0.55			
Banana	21	\$0.78	\$0.07	\$0.22	\$16.38	\$1.47	\$17.85
Coconut	4	\$2.50	\$0.23	\$1.30			





Fruit	Count	Price (Each)	Tax (Each)	Shipping Cost	Total Price	Total Tax	Total Cost
Apple	8	\$1.00	\$0.09	\$0.55	\$8.00	\$0.72	\$8.72
Banana	21	\$0.78	\$0.07	\$0.22	\$16.38	\$1.47	\$17.85
Coconut	4	\$2.50	\$0.23	\$1.30	\$10.00	\$0.90	\$10.90

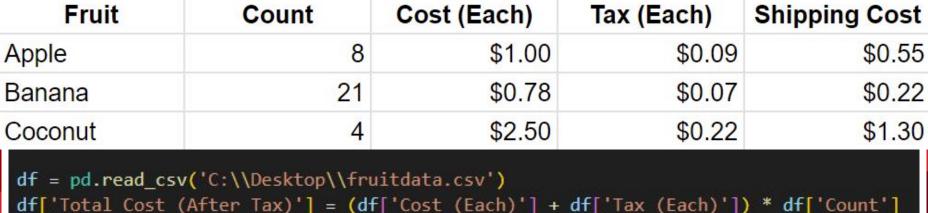




Fruit	Count	Price (Each)	Tax (Each)	Shipping Cost	Total Price	Total Tax	Total Cost
Apple	8	\$1.00	\$0.09	\$0.55	\$8.00	0	\$8.72
Banana	21	\$0.78	\$0.07	\$0.22	\$17	01.0	\$17.85
Coconut	4	\$2.50	\$0.23	\$1.30		15e) '\$0.90 \$1.32	\$10.90
Date	5	\$2.93	\$0.26	\$1	2.10	\$1.32	\$15.95
Elderberry	6	\$3.68	\$0.33	10	. 1 2.06	\$1.99	\$24.05
Fig	3	\$4.43	\$0 15	THIN	\$13.28	\$1.20	\$14.48
Grape	65	\$3.68 \$4.43 \$0.08 \$5.9 ² RROR(V) \$1.12 \$9.68 \$10.43		MA1	\$5.20	\$0.47	\$5.67
Honeydew	2	\$5.92	-IG	\$3.00	\$11.85	\$1.07	\$12.92
Ice	27		KUP .s	\$5.00	\$9.99	\$0.90	<mark>\$10.89</mark>
Jackfruit	4	1,120	\$0.67	\$5.45	\$29.71	\$2.67	\$32.38
Kiwi		DORL	\$0.21	\$4.07	\$28.08	\$2.53	\$30.61
Lemon	TEF	RK \$1.12	\$0.10	\$0.24	\$19.04	\$1.71	\$20.75
Mango	=74-	\$9.68	\$0.87	\$4.82	\$9.68	\$0.87	\$10.55
Nectarine	0	\$10.43	\$0.94	\$0.90	\$0.00	\$0.00	\$0.00

BEYOND



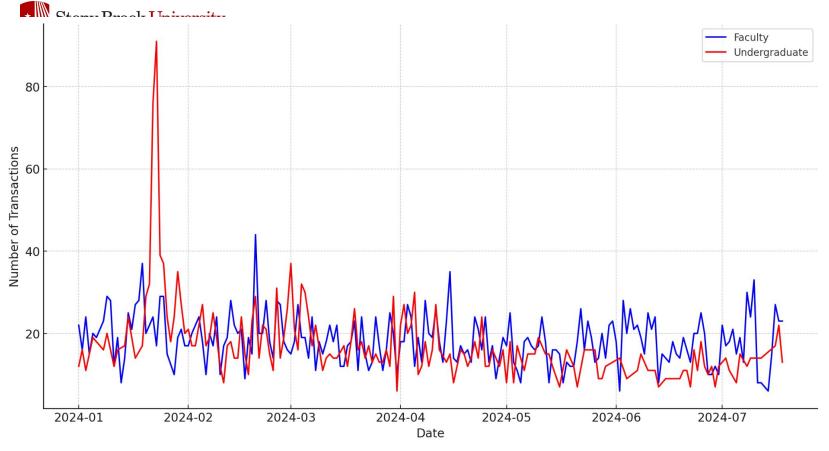


banana_cost = df[df['Fruit'] == 'Banana']['Total Cost (After Tax)']
print(banana_cost)

pandas

Output = '\$17.85'









```
data = pd.read_excel('/data/ILLiaddf.xlsx')
data_2024 = data[data['Creation Date'].dt.year == 2024]
```

```
faculty_data = data_2024[data_2024['Status'] == 'Faculty']
undergraduate_data = data_2024[data_2024['Status'] == 'Undergraduate']
```

transaction_volume_faculty = faculty_data.groupby(faculty_data['Creation Date'].dt.date).size()
transaction_volume_undergraduate = undergraduate_data.groupby(undergraduate_data['Creation Date'].dt.date).size()

```
# Plotting for graph
plot.plot(transaction_volume_faculty.index, transaction_volume_faculty.values, label='Faculty')
plot.plot(transaction_volume_undergraduate.index, transaction_volume_undergraduate.values, label='Undergraduate')
plot.xlabel('Date')
plot.ylabel('Number of Transactions')
plot.show()
```





A short aside to talk about Generative AI or (how we fake being good at computers by asking ChatGPT to be good at computers for us)







Use the attached xlsx file as a dataframe, then filter the data to create a dataframe where 'Creation Date' is 2024. Each row is a transaction. Plot a graph using transaction data across the year 2024.

The data contains many columns. To focus on the 'Creation Date', I'll first check if this column exists in the dataset and inspect its format. Let's check this now. [--]

The dataset includes a 'Creation Date' column with datetime data type, which is exactly what we need for filtering and plotting the transactions. I'll filter the transactions where the 'Creation Date' is within the year 2024 and then plot a graph to show the number of transactions across different months of the year. Let's proceed with this. [2-]

Here's Python code that you can use to create a chart displaying the number of transactions across the year 2024:

python O Copy code import pandas as pd import matplotlib.pyplot as plt

ChatGPT



Address Book, States call back

Loan TaT

- 1 New Jersey
- 2 Connecticut
- 3 Massachusetts
- 4 Pennsylvania
- 5 Virginia

Article TaT

- 1 Texas
- 2 Tennessee
- 3 Pennsylvania
- 4 Nevada
- 5 New York



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A^B_C Lending Library Address

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Custom Column

Add a column that is computed from the other columns.

New column name

StateAl

*

Custom column formula ()

= OpenAI("Context: address = "&[Lending Library Address]&". You are an assisntant helping normalize address data. Output the two letter US state code associated with this address. If the address is not in the United States, print the string INTL")

Learn about Power Query formulas



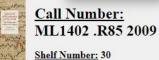
ibrary, ILL U.S. Forest Products Laboratory One Gifford Pinchot Drive Madison, WI 53705-2398	WI
USDA APHIS LIBRARY 4700 River Rd. Unit 6 Riverdale, MD 20737	MD
ERS Reference Center U.S. Dept. of Agriculture 1800 M Street N.W. Rm. 3050 Washington, D.C. 20036-5831	DC
National Agricultural Library ILL USDA/Collections Services Branch 10301 Baltimore Avenue, Room 303 Beltsville, MD 207.	MD
JSDA, ARS, NAL, Interlibrary Loan, Room 10301 Baltimore Ave Beltsville US-MD 20705-2351 US	MD
National Agricultural Library ILL USDA Room 303 Beltsville, MD 20705-2351	MD
Rapides Parish Library 411 Washington St Alexandria Louisiana 71301	LA
berville Parish Library 24605 J. Gerald Berret Blvd. Plaquemine Louisiana 70764	LA
nterlibrary Loan/RMRS Library 240 W. Prospect Rd. Fort Collins, CO 80526	со
ibrary Natl. Ctr. for Agricul. Utilization Res. 1815 N. University St. Peoria, IL 61604	IL
JSDA Forest Service Knowledge Connection 1323 Club Dr. Vallejo, CA 94592	CA
ibrary, ILL USDA Southern Regional Research Center 1100 Robert E Lee New Orleans, LA 70124	LA
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Thomas Byrne Memorial Library Spring Hill College- Interlibrary Loan 4000 Dauphin Street Mobile, AL 36608-1780	AL

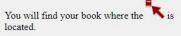




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^{vok} Music Library | Melville First Floor





You will find this item towards the center of shelf number 30.



Need help? Here are some resources: <u>Call Number Guide</u> <u>Directions to Library</u>

For further assistance, please contact us at circulation@stonybrook.edu.

	Seminar Room
Listening Area	Study Space
Entrance	Circulation Desk



It all starts with an idea...

- What do we want?
 - Faster results
 - More flexibility
 - Better interface
 - Shareability
 - Less… "sheet"





It all starts with an idea...

- What do we need?
 - Data
 - Math (Pandas)
 - Interface





77	fastest_symbols = meaned.sort_values(by='DaystoRes', ascending=True)				
78	<pre>chopchop = fastest_symbols[fastest_symbols['DaystoRes'] < turnaround_time]</pre>				
79	<pre>fastandcheap = chopchop[chopchop['Clean Charge'] < max_price]</pre>				
80	<pre>test = " ".join(fastandcheap.index.tolist())</pre>				
81					
82	print(test)				
22					
PROBLE	EMS OUTPUT DEBUG CONSOLE TERMINAL PORTS				
TKN Z	EM TXF NNY EYW OSU VYE VJN NGA COA AUM TEU YOM HUH RVE VYA ZRS PAU VVV XQM ZIH				
JT IN	ID CLART IXA IWA COF NYG WTU BNG KSU IQU BUF TFW RRR VYT COD EAU ZYU				



SBU Boosted Group Builder

August 2023	Transactions:	10.0		List Detail
September 2023 October 2023 November 2023		10.0		TKN TXF NNY
November 2023	Price:	0.0		OSU VYE VJN
	Turnaround Time:	2.0	·	TEU RVE VYA
				ZRS VVV NAM
	Type: O Loan O Article			CKM UPM PZS
	Go Clear			WEL NJT IND IXA
				COF NYG IQU
				BUF TFW RRR
				VYT EAU ZYU

SBU Boosted Group Builder

Settings: Light

Output

List Detail

NJG MDY AUM BNG

BTS SYB ZEM TKN IWA

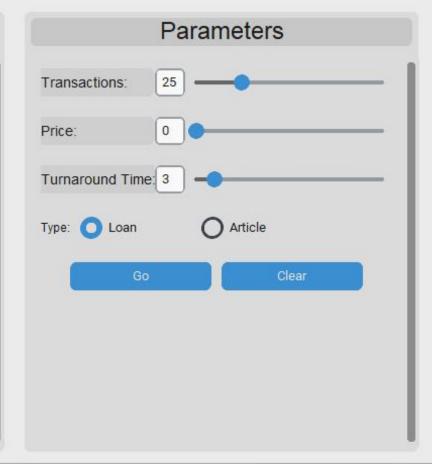
DRB IXA COD EAU TFW

BBH IND ZQP PAU RRR

***work in progress, as of 05/10/2024

August 2023 September 2023 October 2023 November 2023

Data



SBU Lender Stri Builder	Upload Files Choose Files No file chosen Upload Clear Uploads	File Viewer August 2023 September 2023 October 2023 November 2023	
Parameters Min Transactions:	Max Price:	Max Turnaround Time (days):	
5	1	0.1	
Type: Article Loan			
Type: Article Loan Go Clear Results			
Go Clear	ing		
Go Clear Results	ing		
Go Clear Results Custom Holdings Str	ing		
Go Clear Results Custom Holdings Str TKN, ZEM, TXF, NNY	ing Transactions Price	Turnaround Time	
Go Clear Results Custom Holdings Str TKN, ZEM, TXF, NNY Detail		Turnaround Time 0.0	

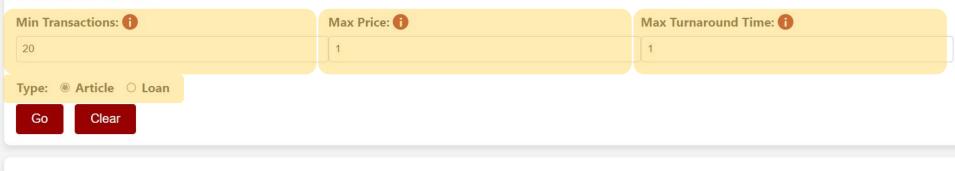


FirstSearch	
WorldCat Discovery	Period: April 2024 V Months: 6 Update
WorldCat.org	 Institution: YSM
OCLC World Share Interlibrary Loan	ILL Fee Management Program Borrower Report
Cataloging	ILL Fee Management Program Lender Report
COUNTER	WorldShare ILL Purchase Request
Digital Collections	Resource Sharing Borrower Reasons For No Report
Link Resolver	Resource Sharing Lender Reasons For No Report
WebDewey	Borrower Resource Sharing Stats Report
Assessment Tools	Inder Resource Sharing Stats Report
	Interpret Strategic Union List Report
	Borrower Activity Overview Report
	Lender Activity Overview Report

SBU Lender Builder	r String Upload Files Choose Files No file choser Clear Uploads	Upload	File Viewer August 2023 September 2023 October 2023 November 2023	
Parameters				
Min Transactions:	Max Price:		Max Turnaround Time (days):	
5	1		0.1	
Go Clear Results Custom Holdin	ıgs String			
TKN, ZEM, TXF, NNY				
Detail				
Symbol	Transactions	Price	Turnaround Time	
TKN	10	0.00	0.0	
ZEM	8	0.00	0.0	



Parameters





Results

Custom Holdings String

TXF NNY OSU VJN TEU VVV NAM UPM IND IXA COF

Detail

Symbol	Transactions	Price	Turnaround Time
TXF	40	0.00	0.1
NNY	85	0.00	0.1
OSU	241	0.00	0.2
ΝΙ	93	0.00	0.2
TEU	77	0.00	0.2
VVV	22	0.00	0.4
NIANA	25	0.00	0.4

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	3				
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Results

Custom Holdings String

TXF NNY OSU VJN TEU VVV NAM UPM IND IXA COF

Detail

Symbol	Transactions	Price	Turnaround Time
TXF	40	0.00	0.1
NNY	85	0.00	0.1
OSU	241	0.00	0.2
VJN	93	0.00	0.2
TEU	77	0.00	0.2
VVV	22	0.00	0.4
projection and			







github.com/SBULibraries



illwebapp.onrender.com

*Images from https://github.com/logos



Questions?

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