GYASI BAWUAH, MBA, MSc.

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GitHub: https://github.com/gbawuah

DATA SCIENTIST, DATA ANALYTICS & DECISION SUPPORT PROFESSIONAL

Open to Relocation, and can travel more than 50% of the time.

Summary of Skills

An experienced and independent business data analytics professional, skilled in using technical resources, business data and statistical methods to provide insight into business performance and provide actionable recommendations for decision making and strategic planning. Proficient in data modelling to determine root causes, drive performance, predict/forecast future business outcomes, optimize operations and improve overall productivity and internal efficiencies.

Domain Area:

- Using data to drive business strategy and competitive advantage
- Data engineering and preprocessing
- Descriptive Data and Report Development
- Data Analytics and Large Data Mining
- Text mining and Natural Language Processing (NLP)
- Visual Analytics and Dashboard Strategies
- Predictive Modelling
- Time-series and Forecasting Analytics
- Web Analytics
- Report Automation

Business Intelligence/Analytics Tools

- Tableau
- Python
- R
- SQL
- IBM Cognos
- Microsoft Office Products (Excel, Word, Power Point)

Tableau and BI Analytics Capabilities
- Extensive hands-on experience in building analytic solutions with business intelligence software.
- Ability to translate findings into succinct, actionable business insights and value that tell a holistic story.
- Ability to gather dashboard design requirements that satisfy business needs and create visual designs to capture all necessary data trends and effectively communicate to team and top management.
- Ability to create and maintain necessary daily and ad hoc live data reports and dashboards for tracking business metrics and driving data based decisions to tackle strategic challenges.
- Ability to develop user friendly visual analytics for large audiences and provide end user support and implementation of visualization functionalities and calculations.

KPI Metrics Development, Maintenance and Monitoring
- Ability to define, design and recommend strategic metrics that measure performance of key business activities.
- Ability to develop dashboards that monitor and provide reporting from key metrics.
- Ability to generate new leads, insights and analyses to inform decisions and help continuous improvement of performance.

Leadership Skills
- Managed small to mid-size team of colleagues as a team leader and supervisor.
- Provided training and mentorship to new hires and existing employees.
- Defined team goals, delegated tasks, set deadlines, and managed day-to-day operations.
- Monitored team performance and report on metrics.

Some Achievements
- Created dashboards to automate and streamline previously manual reports and analysis – this has increased productivity and saved production time - American Century.
- Audited payroll system and data that discovered over $250,000 payroll error- reconfigured system with new logic to set pay rate maximums and minimums based on job grade to prevent similar errors in the future – Sprint Connect.
- Spearheaded a project to completely revamp employee time reporting and accrual process and moved tracking and approval of time from excel sheets into UltiPro system (HR System). Also provided training to employees and managers on how to request/approve/track vacation and sick time – Sprint Connect.
- Employed machine learning algorithms to design a model to predict employee retention rates to help support decisions on which employees to potentially invest in and grow. The modeling also assisted management from a statistical point of view to understand the reasons for high employee turnover and reform policies to increase retention rates. Turnover rate improved in the periods after implementation of this model – Sprint Connect.

Job History

Report and Data Analyst
>American Century Investments (Contractor), Kansas City, MO: October 2017 – Present
>
>Create dashboards and reports for daily/weekly/monthly/ad hoc for internal users. Also provide training and insights to management and team as needed.

Analyst (Data & HR Systems)
>Sprint Connect LLC, Overland Park, KS: January 2017 – September 2017
>
>Audited and validated HR data and systems to check for accuracy and provide solutions to permanently fix issues. Provided analytical data for several internal projects and designed models to assist in decision making.

Analyst (Data & HR Systems)
>Waddell & Reed, Mission, KS: December 2015 – December 2016
>
>Audited and validated HR and Payroll data, and HR systems. Provided analytical reports for several internal projects and decision making.

Training & Development Consultant
>TriWest Healthcare Alliance (Contractor), Olathe, KS: September 2015 – December 2015
>
>Led with a team that set up new business locations in Kansas City, Nashville, and Sacramento. Provided health insurance and technology training to new employees. Developed training and evaluation materials.

Training & Development Consultant
>Convergys Corporations, Olathe, KS: September 2013 – August 2015
>
>Provided health insurance and technology training to new and existing employees. Developed training and evaluation materials.

Data Analyst
>Government of Ghana, Ghana, MO: May 2011 – December 2012
>
>Created HR dashboards to monitor daily employee headcount across 27 agencies and departments. Supported Finance with planning and forecasting models and analytics.

Education

Master of Science: Business Intelligence & Data Analytics
>Rockhurst University- May 2018.

Master of Business Administration (MBA): Management Information Systems & Quality Management
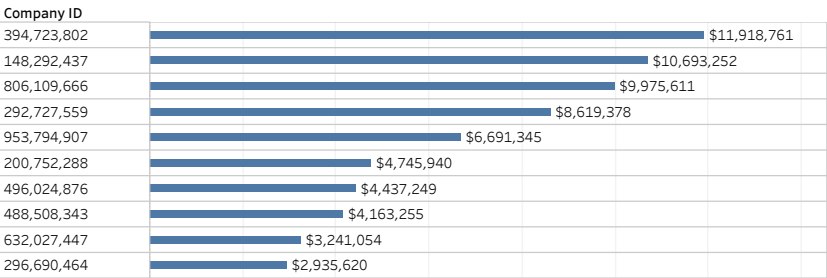>Park University- December 2016.

Bachelor of Arts: Psychology
>University of Ghana- May 2011.
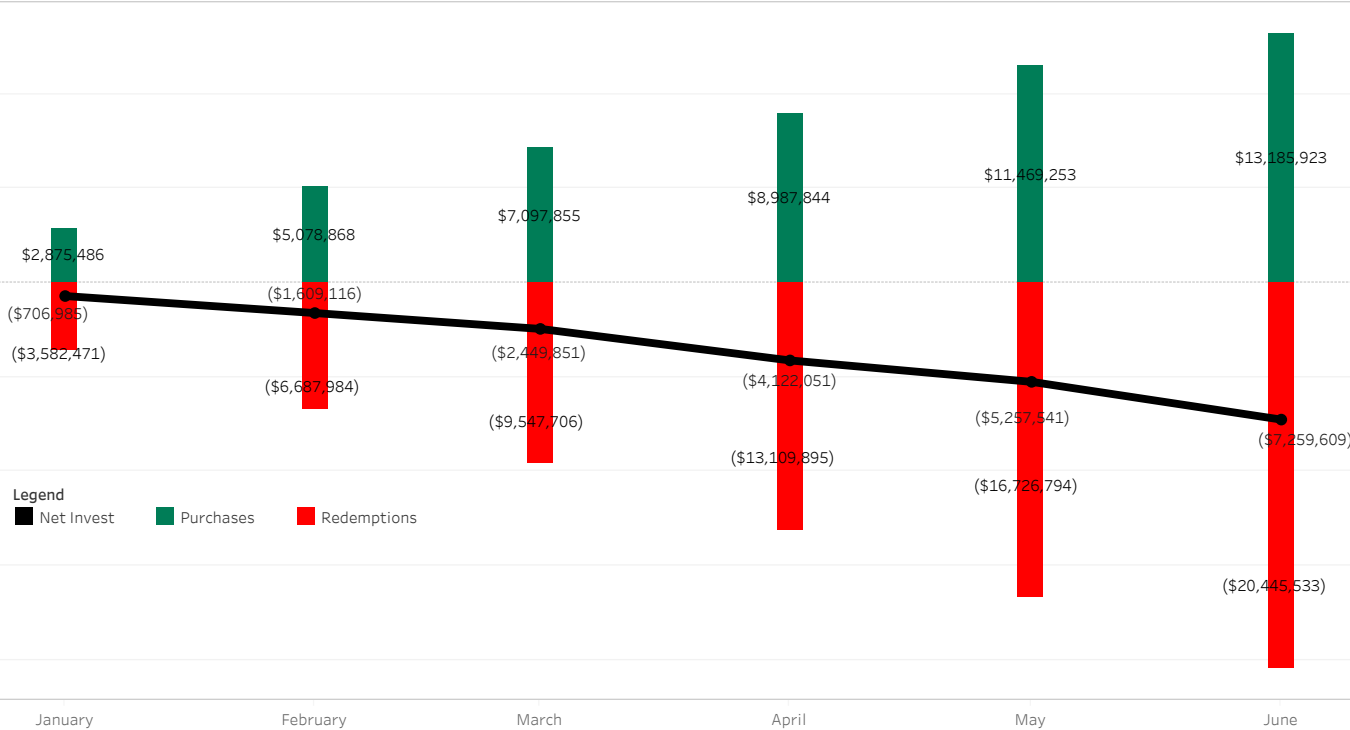
Gyasi Bawuah
Data/Report Analyst

Top 10 Clients

Company ID

Company ID	
394,723,802	$11,918,761
148,292,437	$10,693,252
806,109,666	$9,975,611
292,727,559	$8,619,378
953,794,907	$6,691,345
200,752,288	$4,745,940
496,024,876	$4,437,249
488,508,343	$4,163,255
632,027,447	$3,241,054
296,690,464	$2,935,620

Scatter plot labels: 394723802, 806109666, 148292437, 292727559, 953794907, 296690464, 200752288, 632027447

X-axis: -800M, -600M, -400M, -200M, 0M, 200M, 400M — $$

Top 10 Clients' Assets as a % of Total Asset

Top10_AUM	Total AUM	
$67,421,464	$134,274,017	50.2%

	Redemption Rate	Purchase Rate
2014	-23.2%	20.8%
2015	-20.8%	20.9%
2016	-22.1%	22.8%
2017	-22.5%	16.9%
2018	-17.3%	11.8%

Complex

Legend: Net Invest (black), Purchases (green), Redemptions (red)

Purchases: January $2,875,486; February $5,078,868; March $7,097,855; April $8,987,844; May $11,469,253; June $13,185,923

Net Invest: ($706,985), ($1,609,116), ($2,449,851), ($4,122,051), ($5,257,541), ($7,259,609)

Redemptions: ($3,582,471), ($6,687,984), ($9,547,706), ($13,109,895), ($16,726,794), ($20,445,533)

X-axis: January, February, March, April, May, June

Sales Strategy

Sales Strategy

Sales Strategy	
ONE CHOICE TARGET DATE	$23,274,788
GLOBAL GROWTH STRATEGIES	$17,534,166
U.S. VALUE YIELD	$14,016,188
U.S. PREMIER LARGE CAP GROWTH STRATEGIES	$12,378,032
U.S. MID CAP VALUE	$11,048,673
U.S. LARGE CAP GROWTH	$8,211,699
ONE CHOICE TARGET RISK	$5,312,317
U.S. CORE FIXED INCOME STRATEGIES	$5,200,009
NON-U.S. GROWTH STRATEGIES	$5,164,455
U.S. OPPORTUNISTIC MID CAP GROWTH	$5,051,352

Marketing Disc

Marketing Discipline

Marketing Discipline	
Multi-Asset Strategies	$36,448,383
Global Value	$34,419,983
U.S. Growth	$32,678,832
Global & Non-U.S. Growth	$29,464,702
Bond	$24,084,799
Disciplined Equity	$6,830,149
Money Market	$4,055,326
AC Alternatives	$873,420
AC ETFs	$19,065

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Data/Report Analyst.

WEEKLY NET INVESTMENT REPORT
Report as of July 8, 2018
(in thousands)

Net Investment For Week Ending:

July 8, 2018	**($576,256)**

Net Investment Through July 11, 2018

WEEK TO DATE	**($701,304)**
MONTH TO DATE	**($701,304)**
QUARTER TO DATE.	**($701,304)**
YEAR TO DATE	**($7,960,913)**

Top Positive Weeks

1	May 07, 2018	$332,095
2	February 19, 2018	$57,852

Top Negative Weeks

1	April 16, 2018	($999,214)
2	May 21, 2018	($983,059)
3	June 11, 2018	($928,474)
4	February 05, 2018	($657,905)
5	July 02, 2018	($576,256)

Chart annotations: ($61.2M), $57.9M, ($10.7M), $332.1M, ($63.3M), $0M, ($657.9M), ($999.2M), ($983.1M), ($928.5M)

Number of Weeks

Positives	2
Negatives	26
Total	28
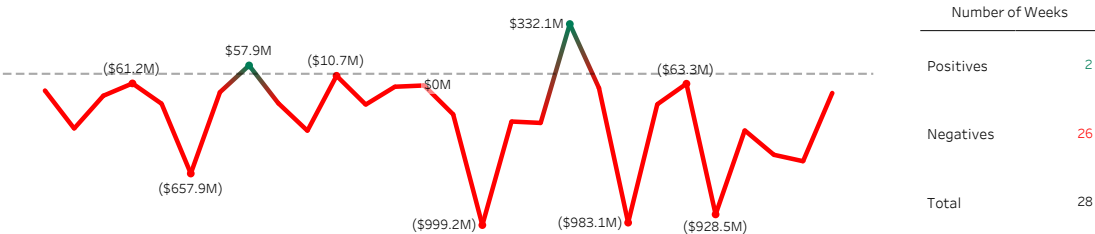
TOP CLIENTS BY STRATEGY: July 8, 2018

268508315	ONE CHOICE TARGET DATE	$14,677
148292437	EMERGING MARKETS	$13,899
148292437	U.S. LARGE CAP VALUE	$8,824
953794907	NON-U.S. GROWTH STRATEGIES	$7,305
496024876	U.S. SMALL CAP VALUE	$6,667
148292437	U.S. REAL ESTATE SECURITIES	$5,857
292727559	EMERGING MARKETS	$5,350

### BOTTOM CLIENTS BY STRATEGY: July 8, 2018

|		
792249262	U.S. LARGE CAP GROWTH	($153,714)
148292437	U.S. DISCIPLINED LARGE CAP CORE STR..	($54,017)
148292437	U.S. LARGE CAP GROWTH	($47,545)
188584208	ONE CHOICE TARGET DATE	($44,345)
148292437	U.S. VALUE YIELD	($29,771)
148292437	ONE CHOICE TARGET DATE	($25,045)
394723802	U.S. VALUE YIELD	($21,263)
923757791	NON-U.S. CONCENTRATED GROWTH ST..	($21,000)
582328309	ONE CHOICE TARGET DATE	($14,109)
200752288	ONE CHOICE TARGET DATE	($13,293)
212762832	NON-U.S. AGGREGATE FIXED INCOME	($12,384)
292727559	U.S. CORE PLUS FIXED INCOME	($10,720)
394723802	U.S. BALANCED - CORE - 60-40 STRATEGI..	($8,891)
488508343	U.S. MID CAP VALUE	($7,663)
141544804	U.S. VALUE STRATEGIES	($7,102)
900997905	U.S. MID CAP VALUE	($7,100)
141544804	ONE CHOICE TARGET DATE	($6,364)
582328309	U.S. OPPORTUNISTIC MID CAP GROWTH	($6,090)
953794907	U.S. VALUE YIELD	($5,468)
272138297	ONE CHOICE TARGET DATE	($5,430)
697186470	U.S. VALUE YIELD	($5,348)
697186470	ONE CHOICE TARGET DATE	($5,161)

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Data & Report Analyst.

Monthly Net Investment Performance
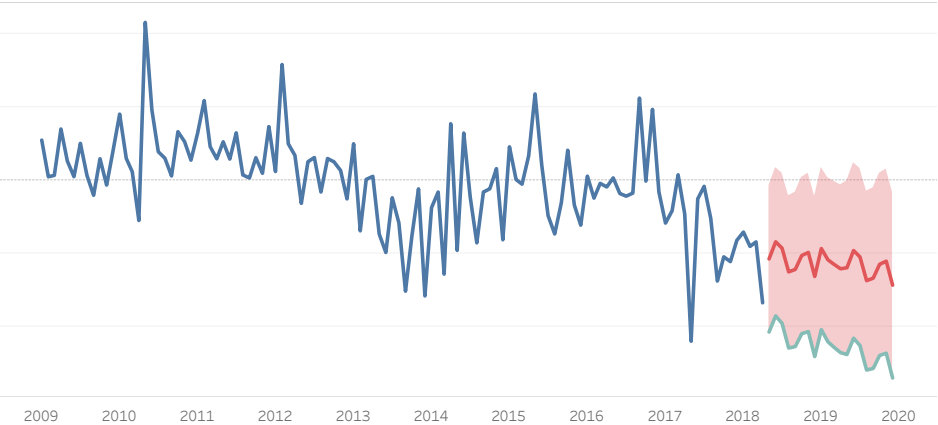
YTD Net Investment Performance:January to December

Monthly Net Investment Forecast
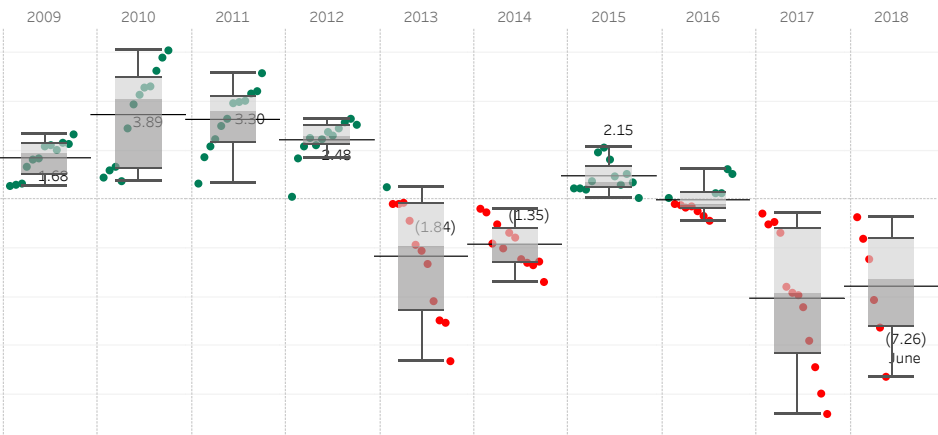
YTD Net Investment Forecast

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Data & Report Analyst.

BY CHANNEL - WEEKLY

Channel	Sub Channel	Purchases	Redemptions	Net Investment	Acquisitions	Exch/Tran	Net Flows	AUM
DIRECT	MONEY MARKET	15,165	(16,373)	(1,209)	0	3,112	1,903	3,610,949
	LONG TERM	18,396	(29,514)	(11,117)	0	(14,696)	(25,813)	36,203,424
SUB TOTAL		33,561	(45,887)	(12,326)	0	(11,584)	(23,910)	39,814,373
INTERMEDIARY	BANKS	16,511	(49,930)	(33,419)	0	(252)	(33,671)	5,246,762
	INDEPENDENT RECORDKEEPERS	43,088	(83,582)	(40,494)	0	0	(40,494)	7,153,193
	INSURANCE COMPANIES	92,535	(322,820)	(230,285)	0	(263)	(230,547)	27,394,321
	MULTI CHANNEL FIRMS	129,579	(315,939)	(186,360)	0	4,502	(181,858)	39,257,665
	WEALTH MANAGERS	78,162	(113,737)	(35,574)	0	4,627	(30,947)	24,157,534
SUB TOTAL		359,875	(886,008)	(526,133)	0	8,614	(517,518)	103,209,474
GLOBAL INSTITUTIONAL	APAC	4	(563)	(559)	0	0	(559)	4,883,780
	EMEA	0	(1,274)	(1,274)	0	0	(1,274)	11,598,673
	NOMURA	967	(6,790)	(5,824)	0	0	(5,824)	1,405,597
	NORTH AMERICA INSTITUTIONAL	8,634	(38,775)	(30,140)	0	0	(30,140)	9,153,058
SUB TOTAL		9,605	(47,402)	(37,797)	0	0	(37,797)	27,041,107
CORPORATE MONEY		16,906	(15)	16,891	0	4	16,895	542,760
GRAND TOTAL		419,947	(979,312)	(559,365)	0	(2,965)	(562,330)	170,607,715

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Data/Report Analyst

Top 10 Intermediary Clients

Company Number	Assets	Net Inv_YTD	Net Inv_Prior Year	Purchases.
806109666	$9,976	($788)	($1,589)	$0
327524604	$2,156	$0	$0	$0
999658577	$1,392	($251)	($81)	$79
659077703	$712	($7)	($4)	$0
999651570	$648	$100		$100
999654811	$625	$17	$20	$63
953794907	$594	($22)	($41)	$20
999650599	$510	$505		$505
999637839	$507	($35)	($50)	$0
333982437	$493	($20)	($32)	$19
Grand Total	**$17,612**	**($500)**	**($1,777)**	**$787**

By Channel

Intermediary	$99,319	($4,633)	($1,675)	$10,171
Direct	$39,802	($314)	($325)	$1,186
Institutional	$29,754	($2,312)	($1,833)	$1,828
Corporate Money	$525	($38)	$10	$200
Grand Total	**$169,400**	**($7,298)**	**($3,824)**	**$13,386**

Commentary

136314	U.S. VALUE YIELD		($769M)	
806109666	GLOBAL GROWTH STRATEGIES	Fully Liquidated	($788M)	
999637826	NON-U.S. GROWTH STRATEGIES	Fully Liquidated	($710M)	
999642111	GLOBAL UNCONSTRAINED FIXED INCOME		$100M	
999648897	NON-U.S. GROWTH STRATEGIES		$76M	
999649644	NON-U.S. SMALL CAP STRATEGIES		$100M	
999650599	GLOBAL GROWTH STRATEGIES		$505M	
999650680	GLOBAL GROWTH STRATEGIES		$60M	
999651570	GLOBAL UNCONSTRAINED FIXED INCOME		$100M	
999658577	U.S. PREMIER LARGE CAP GROWTH STRATEGIES		($162M)	

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Complex Long Term ($B)

| 23% | 21% | 21% | 23% | 17% | 9% |

Purchase Rate

28.4	28.8	30.3	33.2	26.3	
1.7	1.5	1.3	1.8	1.0	13.2
26.7	27.4	29.1	31.5	25.4	0.7
		0.2	1.1		12.5
(6.6)	(3.4)			(8.7)	(7.3)
					(0.8)
(32.9)	(30.2)	(28.6)	(30.0)		(19.7)
(2.1)	(2.0)	(1.7)	(2.2)	(33.9)	
(35.1)	(32.2)	(30.2)	(32.2)	(1.3)	(20.4)
				(35.1)	

Redemption Rate

| -28% | -23% | -21% | -22% | -22% | -14% |

| 2013 | 2014 | 2015 | 2016 | 2017 | 2018 |

Legend

| Money Market Purchase | LT purchases | Net Investment | LT Redemption | Money Market Redemption |

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YTD
against previous year:
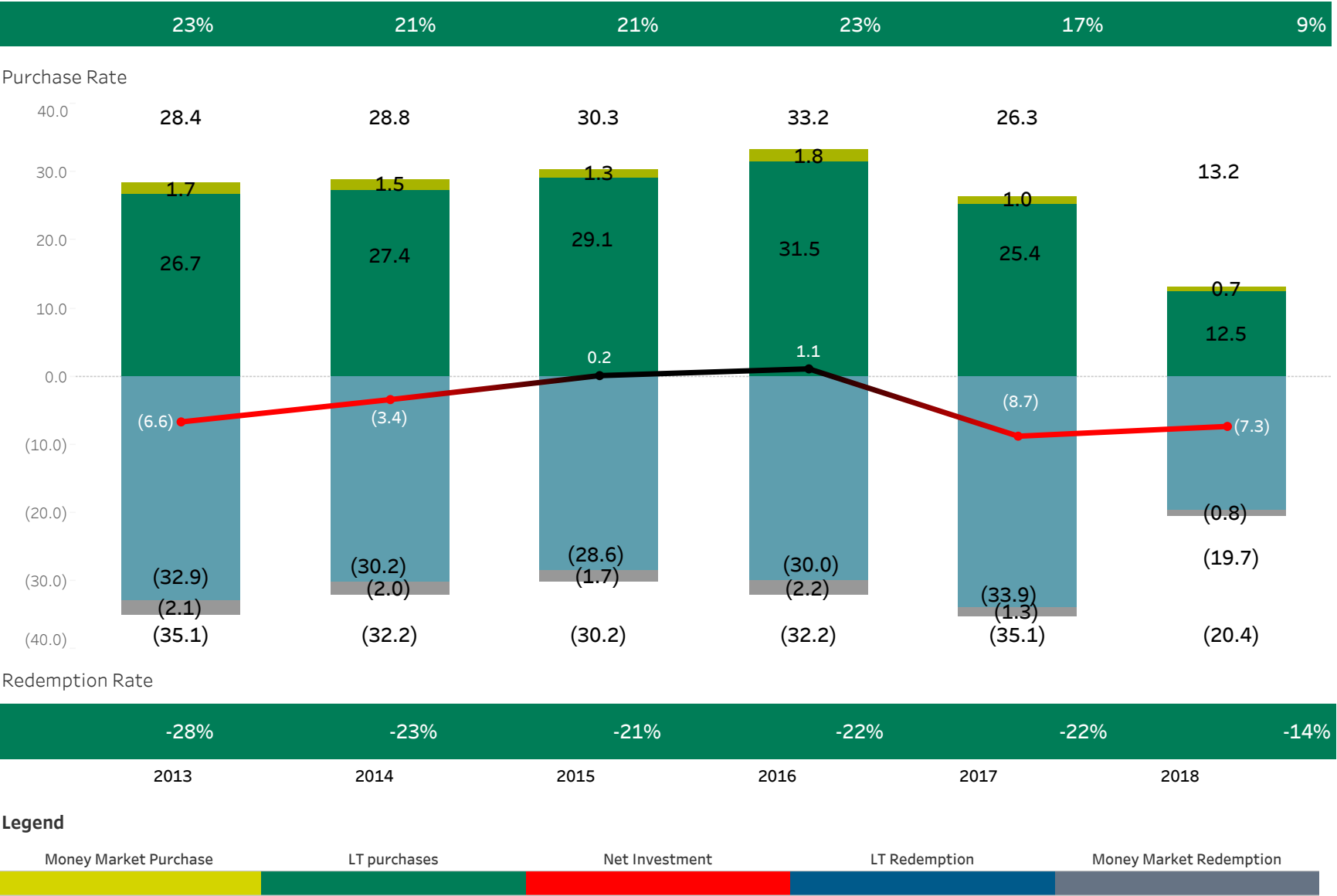
Weekly Net Investment Overview: 7/8/2018
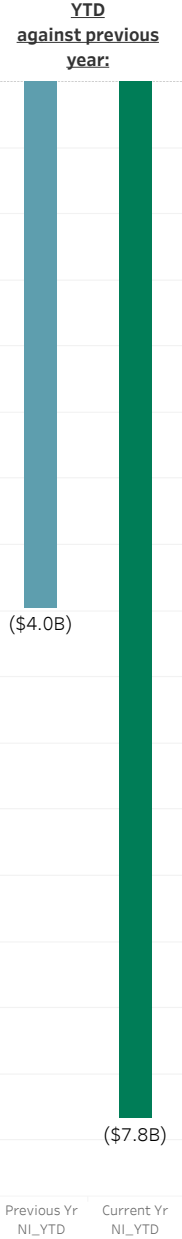
Weekly NI	YTD NI	Long Term	LT YTD
($576M)	**($7.8B)**	**($574M)**	**($7.7B)**

Top Wins For The Current Week ($MM):

148292437	EMERGING MARKETS	14M
	U.S. LARGE CAP VALUE	9M
	U.S. REAL ESTATE SECURITIES	6M
268508315	ONE CHOICE TARGET DATE	15M
953794907	NON-U.S. GROWTH STRATEGIES	7M
496024876	U.S. SMALL CAP VALUE	7M
292727559	EMERGING MARKETS	5M

Top Losses For The Current Week ($MM):

148292437	U.S. VALUE YIELD	(30M)
	U.S. DISCIPLINED LARGE CAP CORE STRATEGIES	(54M)
	ONE CHOICE TARGET DATE	(25M)
	U.S. LARGE CAP GROWTH	(48M)
792249262	U.S. LARGE CAP GROWTH	(154M)
188584208	ONE CHOICE TARGET DATE	(44M)
394723802	U.S. VALUE YIELD	(21M)
923757791	NON-U.S. CONCENTRATED GROWTH STRATEGIES	(21M)
582328309	ONE CHOICE TARGET DATE	(14M)
200752288	ONE CHOICE TARGET DATE	(13M)
212762832	NON-U.S. AGGREGATE FIXED INCOME	(12M)
292727559	U.S. CORE PLUS FIXED INCOME	(11M)

($4.0B)

($7.8B)

Previous Yr NI_YTD	Current Yr NI_YTD

Weekly Net Investment Trend

($559.4M)
Ranking : 23

Net Investment

Week of Date_New [2018]

Jan 7 · Jan 21 · Feb 4 · Feb 18 · Mar 4 · Mar 18 · Apr 1 · Apr 15 · Apr 29 · May 13 · May 27 · Jun 10 · Jun 24 · Jul 8

$0.0M / 0 / (500) / (1,000)
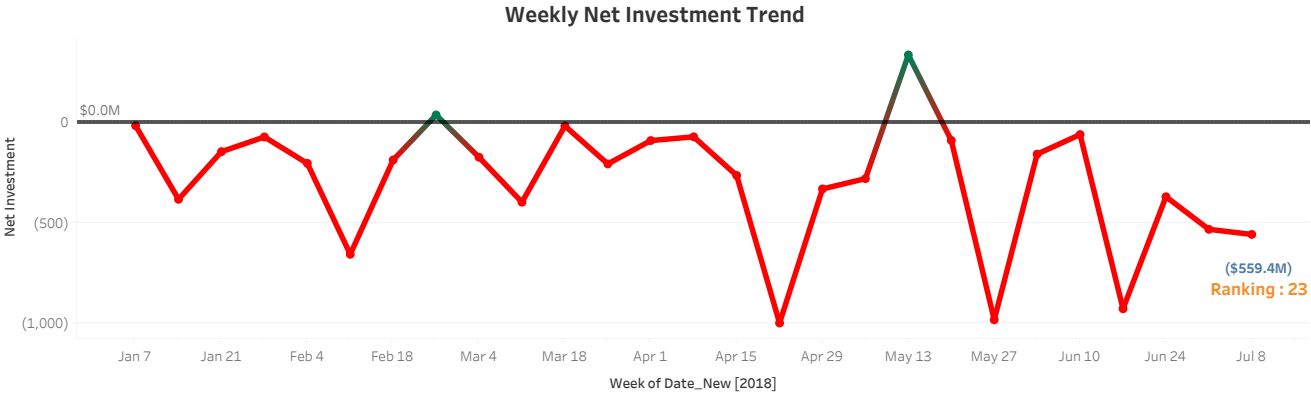
Month to Month against previous year

January	21.1%	↓
February	117.2%	↓
March	-1212.7%	↓
April	264.2%	↓
May	-48.3%	↑
June	691.6%	↓