

# **FLOW BREAKDOWN**

**DATAWISE** Dashboards

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#### 1 DESCRIPTION OF FLOW BREAKDOWN DASHBOARD

The Flow Breakdown dashboard, which is available in the Bovespa, BM&F and BTB view, allows users to assess the breakdown between buy and sell trades for different period intervals. The available selection brings the assessment divided into Monthly, Annual and Free.

Furthermore, there is an overview showing the accumulated traded volume over time, considering the differences between buy and sell trades (balance) and the total volume.

In these views users will have a chart with some additional data. In the breakdown, they will be able to follow up on the largest trades divided by Brazilian and nonresident investors. In the overview, there will be a chart with the total volume of buy and sell trades and their balance.

#### 2 BUY AND SELL BREAKDOWN DASHBOARD – MONTHLY SELECTION

This dashboard details the financial volume of buy and sell trades ranked by investor type.

It presents the largest trades by three main groups: Non-Resident Investors, Individual Investors and Largest Brokerage Houses.

It also presents data by location, namely, continental (for non-resident investors) and state (for individual investors).

Volumes are aggregated by monthly period.

DATAWISE powered by B3	Decomposição Compras e Vendas - Bovespa Seleção Mensal - Negociação												
Filtros 😗	B3	:			Compras			B3			Vendas		
Mês September 2018 *	9%	9%		8%	9%	8%	11%	8%	8%	8%	8%	9%	9%
Top 3 💌	199	6 19%		21%	18%	18%	20%	20%	20%	20%	17%	21%	21%
Mercadori (Tudo) •	279	6 27%		29%	27%	26%	26%	27%	27%	29%	28%	26%	28%
Ticker (Tudo) •													
	40%	6 40%		37%	40%	44%	39%	40%	40%	39%	42%	40%	38%
	Compre	a B3 Tota		Week 36	Week 37	Week 38	Week 39	Vendas B3	Total	Week 36	Week 37	Week 38	Week 39
				Тор З	em Compras					Тор	3 em Vendas		
	Total				R\$72,809 MM	(100.0%)		Total R\$ 71,363 MM (100.0%)					
	1º Europa				R\$ 36,975 MM (50.78%)		1º Europa			R\$ 35,662 MM	(49.97%)		
INVESTIDORES ESTRAINGEIROS	2°	2º Américas			R\$ 31,831 MM (43.72%)		2º Américas			R\$ 32,128 MM (45.02%)			
	30	3° Ásia R\$ 3,021 MM (4.15%)						3º Asia R\$2,667 MM (3.74%)					
	Total d	los Top 3			R\$ 23,101 M	M (66.7%)		Total dos Top 3 R\$ 23.959 MM (67.2%)					
	18	SD			R\$ 15 296 MM	(44.17%)		18 SP		P\$ 16.061 MM (45.06%)			
INVESTIDORES PESSOA FISICA	28	RJ			R\$ 5,357 MM	R\$ 5.357 MM (15.47%)		29 RJ			R\$ 5,473 MM (15.35%)		
	39	MG			R\$ 2,448 MM	1 (7.07%)		39 MG			R\$ 2,425 MM	(6.80%)	
	40	00			D# 1 070 MM	177 716/3		40 00 00 00 00 00 00 00 00 00 00 00 00 0					
	Total d	los Top 3			R\$ 55,979 N	IM (31.1%)		Total dos Top 3			R\$ 57,357 MI	M (31.8%)	
MAIORES CORRETORAS	19	UBS BRASIL CCTVM	S/A		R\$ 23,825 MN	1(13.22%)		1º UBS BRA	ASIL CCTVM S/A		R\$ 23,894 MM	(13.26%)	
	28	XP INVESTIMENTOS	CCTV		R\$ 16,412 MI	VI (9.11%)		29 XP INVESTIMENTOS CCTV			R\$ 16,872 MM (9.36%)		
	39	MORGAN STANLEY	CTVM		R\$ 15,743 MI	VI (8.73%)		39 MORGAI	N STANLEY CTVM		R\$ 16,591 MM	(9.21%)	
🔲 PESSOA JURÍDI 🔲 PESSOA F	ÍSICA	INSTITUIÇÃO FI	FUNDOS	5 📕 INVESTID	OR N								

Decomposição Compras e Vendas - Bovespa DATAWISE s 🕧 B3 Тор 3 (Tudo) ٠ ... FUTURO ٠ Tipo • ia (Tudo) • (Tudo) 413,807 MM (100.0% R\$ 137,282 MM (65.22% R\$ 285,058 MM (68.89%) R\$ 121,876 MM (29.45%) Europa 1º 2º 1° 2° RES ESTRANGEIROS INVEST Améria Sem in R\$ 67,326 MM (31.98% R\$ 5,818 MM (2.76%) R\$ 8,232 MM (88.9% R\$ 6,011 MM (88. Total dos Top 3 
 1°
 SÃO PAULO

 2°
 RIO DE JANEIRO

 3°
 RIO GRANDE DO SUL

 4°
 Saminformação
 R\$ 5,086 MM (74.68%) R\$ 684 MM (10.05%) R\$ 240 MM (3.53%) D\$ 204 MM (2.99%) 
 1°
 SÃO PAULO

 2°
 RIO DE JANEIRO

 3°
 MINAS GERAIS

 4°
 Sami informação
 R\$ 6,433 MM (69.51%) R\$ 1,275 MM (13.78%) R\$ 523 MM (5.65%) P\$ 245 MM (3.72%) INVESTIDORES PESSOA FISICA Total dos Top R\$ 221,303 MM (30.66%) R\$ 128,457 MM (17.80%) R\$ 70,450 MM (9.76%) ITAU CV S/A BRADESCO S/A CTVM BANCO BTG PACTUAL S/A R\$ 229,672 MM (31.82%) R\$ 124,833 MM (17.29%) R\$ 71,589 MM (9.92%) 1° ITAU CV S/A 2° BANCO J.P.MORGAN S/A 19 29 39 📕 INVESTIDOR NÃO RESI.. 🔲 INSTITUIÇÃO FINANCE.. 📕 FUNDOS PESSOA JURÍDICA (NÃ.. 📕 PESSOA FÍSICA

#### **3 BUY AND SELL BREAKDOWN DASHBOARD – FREE SELECTION**

The dashboard presents in detail the financial volume of buy and sell trades ranked by investor type.

Volumes are aggregated by the user's period of choice.

DATAWISE powered by B3	E Decomposição Compras e Vendas - Bovespa Seteção livre - Negociação						
Filtro 👔	B3	Compras	83	Vendas			
Período Últimos 7 dias 🔻	13%	13%	11%	11%			
Data Início 10/1/2019 Data Fim 6/30/2020	23%	23%	22%	22%			
Top 3 •	25%	25%	26%	26%			
Instrumento (Tudo) •							
Mercadoria (Tudo) •	35%	35%	36%	36%			
(ludo) *	Compra B3	Data Selecionada	Vendas B3	Data Selecionada			
	Top 3 (	em Compras	Тор 3 е	m Vendas			
	Total	R\$66,688 MM (100.0%)	Total R\$ 67,677 MM (100.0%)				
	1º Europa	R\$ 40,340 MM (60.49%)	1° Europa	R\$ 39,200 MM (57.92%)			
INVESTIDURES ESTRANGEIRUS	2º Américas	R\$ 25,017 MM (37.51%)	2° Américas	R\$ 27,533 MM (40.68%)			
	3° Asia	R\$ 1,063 MM (1.59%)	3° Asia 49 Cominformation	P\$ 205 MM (1.0876)			
	Total dos Top 3	R\$ 26,542 MM (61.7%)	Total dos Top 3 R\$ 26,312 MM (61.8%)				
	19. SP	R\$ 17.896 MM (41.58%)	19 SP	R\$ 17,696 MM (41,58%)			
INVESTIDORES PESSOA FISICA	2º RJ	R\$ 4,727 MM (10.98%)	2º RJ	R\$ 4,779 MM (11.23%)			
	3º MG	R\$ 3,919 MM (9.10%)	3º MG	R\$ 3,837 MM (9.01%)			
	40 DC	D\$ 2 947 MM (6 85%)	A0 DC DC DC 2 9/// MM/ (6.92%)				
	Total dos Top 3	R\$ 51,883 MM (27.2%)	Total dos Top 3	R\$ 51,843 MM (27.2%)			
	19 XP INVESTIMENTOS CCTV.	R\$ 20,034 MM (10.51%)	19 XP INVESTIMENTOS CCTV.	R\$ 20,510 MM (10.76%)			
MAIORES CORRETORAS	2º ITAU CV S/A	R\$ 16,871 MM (8.85%)	2º ITAU CV S/A	R\$ 16,083 MM (8.44%)			
	3º BANCO ABN AMRO S.A.	R\$ 14,978 MM (7.86%)	3º MORGAN STANLEY CTVM	R\$ 15,251 MM (8.00%)			
	40 HDC DDACH CCTVIALC/A	D\$ 14 473 MM4 (7 COSC)	AO DANCOADNAMDOSA	D\$ 1/ 986 MM (7 86%)			
PESSOA JURÍDICA (NÃO FINAN	ICE 🔲 PESSOA FÍSICA 📃 INSTITUIÇÃO FINA	ANCEIRA FUNDOS INVESTIDO	R NÃO RESIDENTE				



#### **4 BUY AND SELL BREAKDOWN DASHBOARD – ANNUAL SELECTION**

This dashboard presents in detail the financial volume of buy and sell trades ranked by investor type.

Volumes are aggregated by the user's period of choice.

DATAWISE Dowered by B3	E Decomposição Compras e Vendas - Bovespa Seteção Anual - Negociação											
Filtros 🥡	B3						В3		Vendas			
Ano         2018         •           Top         S         •           Instrumento(Tudo)         •           Mercadoria         (Tudo)         •           Ticker         (Tudo)         •	9% 18% 29%	29%	18% 29%	9% 17% 29%	28% 39%	10% 18% 29%	8% 18% 29%	8% 18% 29%	18% 25%	9% 16% 28%	8% 19% 29%	10% 15% 29%
	Compra B3	Total	01	02 02	03	37% Q4	Vendas B3	Total	01	Q2 3 em Vendas	03	04
INVESTIDORES ESTRANGEIROS	Top 3 cm Compras           Total         R\$1.160,499 MM (100.0%)           1º         Europa         6\$599,770 MM (51.56%)           2º         Américas         6\$500,045 MM (42.76%)           3º         Ásia         6\$44,251 MM (43.76%)           4º         Seminformação         6\$7,653 MM (43.76%)				Total         R\$1,188,129 MM (100.0%)           1°         Europa         R\$ 604,158 MM (50.85%)           2°         Américas         R\$ 559,602 MM (45.42%)           3°         Ásia         R\$ 4157 MM (2.85%)           4°         Sem informação         R\$ 9,797 MM (0.82%)							
INVESTIDORES PESSOA FISICA	Total des Top 3         05 556,560 MMI (68,2%)           10         57         R\$ 250,757 MMI (44,4%)           28         RJ         R\$ 85,505 MMI (51,2%)           38         MG         R\$ 55,505 MMI (51,2%)           48         R5         R\$ 55,554 MMI (56,2%)			Total dos Top 3           1º         SP           2º         RJ           3º         MG           4º         RS	Total dos Top 3         R\$ 353,520 MM (68,5%)           19         57         R\$ 250,822 MM (42,7%)           28         R.J         R\$ 88,323 MM (121,2%)           39         M.G         R\$ 34,375 MM (56,6%)           49         P.S         R\$ 29,395 MM (51,1%)							
MAIORES CORRETORAS	Total dos Top           1º         UBS B           2º         MORG           3º         BRAD           4º         XP INV	RASIL CCTVM S/A AN STANLEY CTVM ESCO S/A CTVM VESTIMENTOS CCTV		R\$ 925,671 I R\$ 365,287 MI R\$ 287,020 M R\$ 273,365 M R\$ 267,670 M	MM (31.5%) M (12.42%) M (9.76%) M (9.29%) M (9.10%) NDDS		Total dos Top 3 1º UBS BRA 2º MORGAN 3º XP INVES 4º BRADESI PNÃO DESIDENTE	SIL CCTVM S/A N STANLEY CTVM STIMENTOS CCTV CO S/A CTVM		R\$ 934,086 M R\$ 366,310 MM R\$ 298,678 MM R\$ 269,098 M1 R\$ 262,428 M1	M (31.8%) 1 (12.45%) 1 (10.15%) M (9.15%) M (8.92%)	

DATAWISE powered by 83	DATAWISE Decomposição Compras e Vendas - Bovespa Seleção Anual - Futuros em aberto									
Filtros	🚺 вз		Com	pras		B3		Ven	das	
Ano 2018	•									
Тор 3	• 35%	35%	41%		25%	36%	36%	27%	27%	
Macro Pro (Tudo)				46%						44%
Instrumen (Tudo)										
Mercadoria (Tudo)	• 59%	59%			69%	57%	57%	68%	66%	
Ticker (Tudo)	•		54%	48%						49%
	Compra B3	Total	Q2	Q3	Q4	Vendas B3	Total	Q2	Q3	Q4
			Top 3 em Comj	pras				Top 3 em Vene	las	
	Total		R\$	1,936,857 MM (100.0%)		Total		R\$ 2,0	010,613 MM (100.0%)	
INVESTIGATE FETRAL FIRMS	1º Europa		R\$	1,437,473 MM (74.22%)		1º Europa		R\$ 1,	284,602 MM (63.89%)	
INVESTIDURES ESTRANGEIRUS	2º Améric	85	RS	447,910 MM (23.13%)		2º América	15	R\$ 7	08,835 MM (35.25%)	
	3º Sem int	ormação	н	\$29,561 MM (1.53%)		3º Seminfi	ormação	Rą	16,781 MM (0.83%)	
	Total dos Top 3	}	R\$	63,545 MM (89.4%)		Total dos Top 3	3	R\$	56,659 MM (90.2%)	
	1º SÃO P	AULO	R\$	51,716 MM (72.77%)		1º SÃO PAU	LO	R\$ 52	,331 MM (70.78%)	
INVESTIDORES PESSOA FISICA	2º RIO DE	JANEIRO	R\$	9,931 MM (13.97%)		2º RIODEJ	ANEIRO	R\$ 11	.,157 MM (15.09%)	
	3º RIO GR	ANDE DO SUL	R	\$ 1,897 MM (2.67%)		3º MINAS G	ERAIS	R\$ 3	1,171 MM (4.29%)	
	A0 Samin	formação	D	\$ 1.882 MM (2.65%)		4º Sem info	rmação	K\$ 2	1,693 MM (3.64%)	
	Total dos Top 3	3	RS	2,739,703 MM (49.3%)		Total dos Top 3	3	R\$ 3,	095,624 MM (55.7%)	
MAIODES CODDETODAS	1º ITAU C	V S/A	R\$ :	L,746,656 MM (31.45%)		1º ITAU CV S/A		R\$1,5	46,854 MM (27.85%)	
MAIORES CORRETORAS	2º BANCO	) J.P.MORGAN S/A	R	526,053 MM (9.47%)		2º BRADE	SCO S/A CTVM	R\$ 94	17,776 MM (17.06%)	
	3º BRADE	SLU S/A CTVM	R	466,394 MM (8.41%)		3º GOLDN	IAN SACHS DO B	R\$ 60	00,994 MM (10.82%)	
PESSOA JURÍDICA (NÃO F., 🔛 PESSOA FÍSICA	INVESTIDOR NÃO RESIDE	INSTITUIÇÃO FINAN	CEIRA 📕 FUNDOS	9440,000 mml (8.0776)		AO RANCO	RTG DACTIALS	D \$ 4	52 764 MM (8 25%)	

#### **5 GENERAL FLOW BREAKDOWN**

The General Flow Breakdown dashboard presents in detail the financial volume of buy and sell trades ranked by investor type with balance analysis and accrued volume in a historical series.

The first dashboard shows the segregation of the total financial volume, buy, sell and the balance representing the net volume. It also shows the daily balance by investor category: Funds, Financial Institution, Non-Resident Investor, Individual Investor and Corporate Investor, besides the accrued volume and balance for the selected period.





#### **6 FILTERS**

6.1	Year		
Ano		2018	•

Choose the years available in the database. If the chosen year is the current year, the dashboard will load up to the period the data are available.

6.2	Month

Mês	September 2018

\*

Choose the month of a year available in the database. If the chosen month is the current data, the dashboard will load up to the day with available data.

#### 6.3 Period



This filter allows users to choose between the periods of the last 7 days, 30 days or "Date Selection", which will be established by Start Date and End Date. In this case, it is possible to select the entire database available (from August 2017) up to T-2. Or select a single specific day to understand that day in greater detail, using the other filters to achieve greater data granularity.

#### 6.4 Top Level

Тор	3	•
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It is possible to select the most traded top level, which will reflect the volume at the top of each ranking.

#### 6.5 Macro Product (Only for Futures and Derivatives)

Macro Pro... (Tudo) 🔹

Provides users with specific contract macro product categories.

#### 6.6 Commodity

Mercadoria (Tudo) 🔹	Mercadoria	(Tudo)	•
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This filter considers the initial letters of B3 instruments.

#### 6.7 Instrument

Instrumento (Tudo) 🔹
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Segregated by instrument type, considering cash, options, forward and futures contracts, among others.

#### 6.8 Ticker

Ticker	(Tudo)	•
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The most granular data level, it enables users to filter the contract using their full ticker.



#### **7 METRICS**

#### 7.1 B3 Buy and Sell Trades



The columns on the left hand side, which are included in all breakdown dashboards between buy and sell trades, show B3's trade value total for that segment and market. It is interesting to use them as a parameter to compare the trading status of different audiences against specific contracts and assets. In doing so, users will be able to understand whether a given asset is more or less often traded by a certain investor type.

#### 7.2 Top 5 Buy and Sell Trades

Тор	3	• Тор	5	• Тор	10 •		
			Ļ				
		Top 5	em Compras				
Total			R\$1,160,409 MM (100.0%)				

	Top 5 em Vendas	
Total	R\$ 1,188,129 MM (100.0%)	

When selecting the Top Level Filter, users will have the choice to assess the most traded volume in the highest ranked top 3, 5 or 10 when looking at the foreign investor, individual investor and largest brokerage house ranks.

#### 7.3 Periods

Q1	Q2	Q3	Q4
Week 36	Week 37	Week 38	Week 39

When selecting the Top Level Filter, users will have the choice to assess the most traded volume in the highest ranked top 3, 5 or 10 when looking at the foreign investor, individual investor and largest brokerage house ranks.

#### 8 SERVICE TEAMS

Take a major step and optimize your decision making. Explore our products. If you have any query, talk to our team.

