

CLEARING MEMBER RANKING

DATAWISE Dashboard

B3.COM.BR



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1 PRODUCT DESCRIPTION WITHIN THE DATAWISE SERVICE

The DATAWISE product was created by B3 with the aim of helping its clients in strategic decisions consolidating various reliable and/or sensitive data in the form of interactive dashboards (DATAWISE Dashboard) and reports (DATAWISE Reports). It should be noted that as stated in the Commercial Policy, the DATAWISE service does not allow the distribution or redistribution of data.

Each of these modules can be contracted separately as well as their products (individual dashboards and reports), according to the client's intention. Through the interactive panels it's possible analyze the behavior of stocks (BOVESPA), derivatives and stock futures (BMF) and rental of stocks (BTB) with DATAWISE Dashboards. Already in DATAWISE Reports you can analyze trading and post-trade asset data, mainly from the OTC market thought reports with raw data (Data Report) or worked reports (Market Report).

In this manual we will show the Clearing Member Ranking dashboard layout, data and filters contained in the DATAWISE Dashboard module.

2 DASHBOARD DESCRIPTION

The Clearing Member Ranking shows B3 clearing members with all allocated financial volume and cleared volume, with available balance, for the Bovespa, BM&F and BTB markets.

Here, the clearing member holds institutions responsible as counterparties to their clients and the Clearinghouse, for the settlement and provision of guarantees related to their own and/or their clients' operations.

The Clearing Member dashboard is divided into four panels, two allocation (Consolidated Allocation and Comparative Allocation) and two clearing



(Consolidated Clearing and Comparative Clearing). These panels allow you to monitor the volume of each of the clearing members, thus as its evolution from one period to another. Information can be filtered by commodity, instrument, tickers.

The dashboard allows the participant to visualize the evolution of their participation in the Exchange's trading and analyze which are the most relevant places by commodity, instrument and market.

3 CLEARING MEMBER DASHBOARD

3.1 Consolidated Allocation

This painel brings:

• An overview of ranking by the largest financial volume allocated, with granularity at the level of underlying asset, financial instrument and period.

- Ranking of institutions by financial amount allocated
- Scatterplot showing Allocated Quantity vs Financial Volume.

DATAWISE Deversed by ED			Ranking Membr Alocação Bove	ros Compensação spa - Consolidado			
			Fi	Itros			
Métricas Volume Financeiro (R\$)	Mercadoria (Tudo)	* (Tudo)	Período ▼ Últimos 30 dias	Data Início 4/2/2018	Data Fim 7/11/2018		
			Últimos 30 dias: 3	3/2/2020 à 4/1/2020			
	Instrumento (clique para filtrar)			Ranking Alocação		
VISTA	1.4 tri		88.6%	56 MCs Compras Venda	Acumulado Participação		
EXERCÍCIO DE VENDA	70.7 bi		4.4%	ITAU CV S/A	19 R\$ 173.2 bi	11%	11%
INTEGR. E RESGATE	47.0 bi		2.9%	XP INVESTIMENTOS CCTVM S/A BANCO DE INVEST.	29 R\$160.2 bi	10%	21%
OPÇÃO DE VENDA	41.7 bi		2.6%	CREDIT SUISSE (BRASIL) S.A. MORGAN STANLEY	R\$156.7 bi	10%	31%
TERMO	11.6 bi		0.7%	BRADESCO S/A CTVM	K\$ 153.5 Di 58 R\$151.7 bi	10%	50%
OPÇÃO DE COMPRA	1 0.0 bi		0.6%	UBS BRASIL CCTVM S/A	69 R\$121.4 bi	8%	57%
EXERCÍCIO DE COMPRA	176.9 mi		0.0%	BANCO BTG PACTUAL S/A	70 R\$118.9 bi	7%	65%
	Quantidade Aloc	ada x Volume (R\$)		IDEAL CTVM S.A.	89 R\$ 108.9 bi	7%	72%
• •	• • • •	•	٠	BANCO ABN AMRO S.A.	99 R\$89.4 bi	6%	77%
8°°°°°	•• •		•	BANCO J.P.MORGAN S/A	109 15 68.6 bi	496	82%
Alume (R3	٠			BRASIL PLURAL S/A BANCO MÚLTIPLO	119 \$66.6 bi	4%	86%
5				BANK OF AMERICA MERRILL LYNCH BANCO MULTIPLO		2%	88%
•				CITIBANK DTVM S/A		1%	90%
-18 08 18 28 38	8 48 58 68 78 88 98	108 118 128 138 148 1	58 168 178 188 198 208 218	AGORA CTVM S/A R\$ 13.8 bi		1%	90%

Clearing Member Ranking DATAWISE DASHBOARD



3.2 Comparative Allocation

The comparison is based on participation performance in a two-period analysis, showing if the participant has increased, stabilized or fallen their position relative to the allocated financial amount.

DATAWISE	DATAWISE Ranking Membros Compensação Alocação Borespa - Companalivo						
			Filtros				
Métricas Volume Financeiro (R\$)	Valor Total Alocado	Mercadoria (Tudo)	Ticker (Tudo)		Ordenar por Período Período 1		
	Instrumento (clique po	ıra filtrar)		Perio	do 1	Período 2	
VISTA	🔳 15.6 bi	94%	Data 1	4/2/2018	Da	te 3 7/1/2018	
INTEGR. E RESGATE	508.4 mi	3%	00002	47 27 2018	Ranking Alocação po	r Período 1	
OPCÃO DE COMPRA	296 3 mi	25	63 M	Cs Per	ríodo 1	Período 2	
orgen og norren	- Loosa m	6.17	UBS BRASIL 0	CCTVM S/A	2.4 b		19 16.2 bi
TERMO	143.9 mi	1%	MORGAN	N STANLEY CTVM S/A	2° 2.3 bi 🖊	3º 12.0 bi	
OPÇÃO DE VENDA	77.2 mi	0%	XP INVEST	TIMENTOS CCTVM S/A	3º 21bi 🕇	1	29 5.4 bi
EXERCÍCIO DE COMPRA	• •	0%	BRADESCO	S/A CTVM	4° 13bi	49 11.3 bi	
EXERCÍCIO DE VENDA	• 0	0%	BANCO D CREE (BF	DE INVEST. DIT SUISSE RASIL) S.A.	5° 12Ы	68 6.8 bi	
	Quantidade Alocada x V	olume (R\$)	п	TAU CV S/A	6° 1.0ы	5º 7.5 bi	
. • •	••		BANCO BTG	S PACTUAL S/A	7° 870.2 mi	92 5.4 bi	
9	•		BRASIL P BANCO	LURAL S/A MÚLTIPLO	8º 758.0 mi	89 5.7 bi	
(R\$)		•	BANK OF MERRILL LYN	F AMERICA ICH BANCO MULTIPLO	9º 721.2 mi	109 4.6 bi	
Volu			BANCO J.P	P.MORGAN 10° S/A 393.3 m	. 4	7º 6.6 bi	
			BANCO ABN J	AMRO S.A. 384.2 m	•	119 3.8 bi	
•			BANCO PAU	ULISTA S/A 280.2 mi	+	14º 1.9 bi	
OM 50M	100M 150M 200M 250M	300M 350M 400M 450M	500M 550M	BANCO S/A		209	

3.3 Consolidated Clearing

This painel brings:

- An overview of the ranking by the largest financial volume settled in the institutions responsible as counterparty and clearing the transactions, with the granularity at the level of the underlying asset, financial instrument and period.
- Ranking of institutions by financial amount;
- Scatterplot showing Compensated Quantity vs Financial Sales Volume.

Clearing Member Ranking

DATAWISE DASHBOARD

DATA	WISE			Ranking Membr Compensação Bo	os Compe vespa - Consolic	ensação _{lado}					
				Fi	itros						
Métricas Volume Financeire	ro (R\$)	▼ Últimos 30 dias ▼	Data Início 4/2/2018	Data Fim 7/11/2018	Ordenar por Total Alocado		Mercadoria (Tudo)		Ticker (Tudo)	•	
				Últimos 30 dias: 3	/2/2020 à 4/1	/2020					
		Instrumento	(clique para filtrar)					Ranking C	ompensação		
EXERCÍCIO DE V INTEGR. E RES	VISTA VENDA ISGATE	 1.4 tri 70.7 bi 47.0 bi 		89% 4% 3%	56 MCs	Compensado	Saldo	Participação	Acumulado		
OPÇÃO DE V T OPCÃO DE CO	VENDA TERMO DMPRA	41.7 bi 11.6 bi 10.0 bi		3% 1% 1%	IT. XP INVESTIMENTO	AU CV S/A		R1	\$ 173.2 bi	11%	21%
EXERCÍCIO DE CO	OMPRA	176.9 mi Compensação x	Volume Vendas (R\$)	0%	BANCO DE INVES SUISSE (BR	T. CREDIT ASIL) S.A.		R\$ 10 32 R\$ 156	і.7 Ы	10%	31%
70B				٠	MORGAN STAN	LEY CTVM S/A		42 R\$ 153.	5 bi	10%	40%
608					BRADESCO	S/A CTVM		59 R\$151.3	7 bi	10%	50%
				٠	BANCO BTG PAG	TUALS/A		R\$ 121.4 bi 79 P\$ 118 9 bi		7%	65%
50B				•	IDEAL (TVM S.A.		8º R\$ 108.9 bi		7%	72%
500 408					BANCO ABN A	MRO S.A.	R\$ 8	99 39.4 bi		6%	77%
de Obr			•	• •	BANCO J.P.MO	RGAN S/A	109 R\$ 68.6 Ы			496	82%
Salde 308		٠			BRASIL PLURAL S	A BANCO IÚLTIPLO	119 R\$ 66.6 bi			4%	86%
208		•			MERRILL LYNCH B	ANCO M.	R\$ 38.0 Ы 139			2%	88%
		•		•	AGORA	CTVM S/A	22.3 bi			170	90%
108	8°9.0	•			SANTANDER	CCVM S/A R\$ 13.	8 bi			1%	91%
08	683°		•		NECTON INVEST	IMENTOS 168 I.A. CVMC R\$ 12.1	5 bi			1%	92%
		Volu	me Compensado (R\$)		TERRA INVEST	IMENTOS 178 IVM LTDA R\$ 11.2	2 Ы			1%	93%

3.4 Comparative Clearing

The comparison is made based on the performance of participants in a twoperiod analysis, showing whether the participant has increased, stabilized or fallen in position relative to the financial amount they were compensated.

DATAWIS	E	Ranking Membro Componsação Bov	os Con vespa - Con	npensaç nparativo	ão		
		Filt	tros				
Métricas Volume Financeiro (R\$)	Mercadoria	Ticker * (Tudo)			Ordenar por Período Período 1		•
	Instrumento (clique para filtrar)				Período 1		Paríodo 2
VIST INTEGR. E RESGAT OPÇÃO DE COMPR	A 15.6 bi E 15.6 bi A 1263.3 mi	94% 3% 2%	Data 1 Data 2	4/2/2018		Data 3 Data 4	7/1/2018 7/11/2018
OPÇÃO DE VEND	A 77.2 mi	0%			Rankin	g Compensa	ção
EXERCÍCIO DE COMPR EXERCÍCIO DE VEND	A 🔲 O A 🔤 O	0%	63 MCs		Período 1		Período 2
	Compensação x Volume Vendas (R\$)		UBS BRA	ASIL CCTVM S/A		1°	10
500M -		٠	MORGAN	STANLEY CTVM S/A		2º 2.3 bi	3º 12.0 bi
450M	•		XP INVESTIN	MENTOS CCTVM S/A	2	з° 1ы 🕇	2º 15.4 bi
400M	•		BRAD	ESCO S/A CTVM	4° 1.3 bi	⇒	40 11.3 bi
350M			BANCO DE I SUISS	E (BRASIL) S.A.	5° 12 bi	+	6.8 bi
. 300M		٠		ITAU CV S/A	1.0 bi	1	7.5 bi
90.00	•	•	BANCO BT	'G PACTUAL S/A RAL S/A BANCO	870.2 mi 8°	<u>.</u>	5.4 bi 8°
de O			BAI	MÚLTIPLO KK OF AMERICA	759.0 mi		5.7 bi
3 200M	•		BANCO J.	P.MORGAN S/A	10° 292.2 ml	÷	70 6 C bu
150M			BANCO	ABN AMRO S.A.	11º 384.2 mi	⇒	11º 3.8 bi
100M	• •		BANC	D PAULISTA S/A	12º 280.2 mi	+	14º 1.9 bi
50M	•		ITAU	UNIBANCO S/A	13° 234.5 mi	+	20° 891.1 mi
om			BA	NCO SAFRA S/A	14º 231.3 mi	+	17º 1.3 bi
	Volume Companyado (P\$)		BANG	O SANTANDER (BRASIL) S.A.	15° 217.4 mi	+	23º 621.2 mi

B



4 FILTROS

4.1 Metrics

Metrics		
Financial Volume (R\$)	•]

Metrics – Financial Volume and Contracts Quantity are the metrics available for viewing the dashboard.

For Derivatives and Futures (former BM&F segment) use the number of contracts for a more assertive analysis.

4.2 Instrument Type

Instrument Type	$\forall ~ \bullet$
(Tudo)	•

Instrument – Allows users to choose a specific product, usually the product is the first four letters that make up the instrument, including cash equities, options and forwards.

4.3 Tickers

Tickers	
(Tudo)	•

Ticker – Allows you to choose the ticker of the stock to be analyzed. All assets traded on the analysis date will be available. You can choose to view either one market at a time or the entire market. To do this, simply remove the filter.

4.4 Period

Período	
Últimos 30 dias	•

Period – Choose a period between August 28, 2017 and the last date which will be between T-2 or T-3.

When choosing the **date selection** option in the period filter it allows users to choose start date and end date.

Data Início	Data Fim
7/1/2019	7/31/2019

When choosing the **last 30 days** option it will display data from the last 30 calendar days.

4.5 Instrument

Instrum	ent (click to filter)	
FUTURE	42.5 tri	100,0%
FORWARD	1 3.5 bi	0,0%
OPTION ON SPOT	2.9 bi	0,0%
SPOT	221 1 mi	0,0%
OPTION ON FUTURE	📕 187.0 mi	0,0%

Instrument – Different instrument types are available for filtering and may also be excluded if a previous filter has been selected, i.e., when selecting ticker PETR4, only the Visual Instrument will appear. If an instrument filter is chosen before the others, the products and tickers will be filtered in the same way as in the previous example. As with the Investor Category filter, by clicking and holding down the "Ctrl" key, you may select more than one instrument at the same time.

Clearing Member Ranking DATAWISE DASHBOARD



5 ADDITIONAL

In the existing lists in the clearing member ranking dashboard where participants are listed, you can group a few institutions based on Economic Groups (e.g. XP Inc, which is made up of the XP, Rico and Clear brokerage houses). To carry out the grouping, it is necessary to keep the Ctrl button pressed and click on the desired squares. When you have finished choosing, bring the mouse closer and a menu will be displayed with different options: Keep Only, Exclude and a symbol that looks like a paper clip (Group Member). When clicking on Group Member, the new grouping will appear in the ranking with the name of all the squares that make it up. Values will continue to be influenced by the selected filters.



Clearing Member Ranking

DATAWISE DASHBOARD





6 SERVICE TEAMS

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

Any query? Talk to us	
DATAWISE Sale: <u>produtosdedados@b3.com.br</u> Contracting: <u>contratacao@b3.com.br</u>	
Technical Support: <u>dataservices@b3.com.br</u>	