

Big Data and AI Strategies

Retail Order Flow Data Update

- Effective 28 Feb, 2022, we will implement a new data structure on our retail order flow data product. Excerpts of the current and upcoming new datasets are shown below for comparison.

Figure 1: Current data structure

	SYM	Date	Direction	Trades	Size	Turnover
1	A.N	2022-02-15	-1	286	17138	2335212.504
2	A.N	2022-02-15	1	314	20415	2779761.466
3	AA.N	2022-02-15	-1	2629	400881	29120116.771
4	AA.N	2022-02-15	1	2752	394046	28616807.031
5	AAA.P	2022-02-15	-1	9	325	8118.787
6	AAA.P	2022-02-15	1	4	126	3149.860

Figure 2: New data structure

	SYM	Date	type	Direction	Trades	Size	Turnover
1	A.N	2022-02-15	Other	-1	14127	863275	117614623
2	A.N	2022-02-15	Other	0	3314	226728	30866064
3	A.N	2022-02-15	Other	1	12880	781243	106454725
4	A.N	2022-02-15	Retail	-1	286	17138	2335213
5	A.N	2022-02-15	Retail	1	314	20415	2779761
6	AA.N	2022-02-15	Other	-1	29182	2564543	185775874
7	AA.N	2022-02-15	Other	0	6419	684792	49732891
8	AA.N	2022-02-15	Other	1	25703	2146470	155890263
9	AA.N	2022-02-15	Retail	-1	2629	400881	29120117
10	AA.N	2022-02-15	Retail	1	2752	394046	28616807

- The new data structure contains an additional column 'type'. Type = 'Retail' entries are the trades that we identified as retail market order flow and are identical to the current dataset. Type = 'Other' entries include all market hour trades that are not classified as Retail.
- 'Direction' for type = 'Other' entries are computed using the Lee-Ready algorithm. Where a trade is executed at the mid-price, the value of 'Direction' is set to 0.
- The definitions of all other fields remain unchanged.

Big Data, AI and High Frequency Strategies

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