

TOBAM Best Execution Quantitative Analysis 2017

Class of Instrument			Bonds			
Notification if <1 average trade per business day in the previous year						
Top five execution venues ranked in terms of trading volumes (descending order)	Proportion of volume traded as a percentage of total in that class	Proportion of orders executed as percentage of total in that class		Percentage of passive orders	Percentage of aggressive orders	Percentage of directed order
BoA Merrill Lynch	24.49%	16.44%		n/a	n/a	n/a
JP Morgan	20.59%	15.75%		n/a	n/a	n/a
Goldman Sachs	9.47%	9.25%		n/a	n/a	n/a
Citi	9.26%	8.33%		n/a	n/a	n/a
Barcap	8.02%	8.45%		n/a	n/a	n/a

Class of Instrument			Equities			
Notification if <1 average trade per business day in the previous year						
Top five execution venues ranked in terms of trading volumes (descending order)	Proportion of volume traded as a percentage of total in that class	Proportion of orders executed as percentage of total in that class		Percentage of passive orders	Percentage of aggressive orders	Percentage of directed order
BoA Merrill Lynch	30.79%	27.59%		n/a	n/a	n/a
Morgan Stanley	26.37%	25.64%		n/a	n/a	n/a
UBS International	20.76%	22.05%		n/a	n/a	n/a
Credit Suisse	12.56%	14.82%		n/a	n/a	n/a
JP Morgan	9.21%	8.76%		n/a	n/a	n/a



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Class of Instrument			Index Futures			
Notification if <1 average trade per business day in the previous year						
Top five execution venues ranked in terms of trading volumes (descending order)	Proportion of volume traded as a percentage of total in that class	Proportion of orders executed as percentage of total in that class		Percentage of passive orders	Percentage of aggressive orders	Percentage of directed order
Morgan Stanley	0%	91.08%		n/a	n/a	n/a
JP Morgan	0%	8.05%		n/a	n/a	n/a
CACEIS	0%	0.86%		n/a	n/a	n/a

Class of Instrument			Bond Futures			
Notification if <1 average trade per business day in the previous year						
Top five execution venues ranked in terms of trading volumes (descending order)	Proportion of volume traded as a percentage of total in that class	Proportion of orders executed as percentage of total in that class		Percentage of passive orders	Percentage of aggressive orders	Percentage of directed order
Morgan Stanley	0%	93.49%		n/a	n/a	n/a
JP Morgan	0%	6.51%		n/a	n/a	n/a



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Class of Instrument			Other Derivatives				
Notification if <1 average previous year	e trade per business day ir	the					
Top five execution venues ranked in terms of trading volumes (descending order)	Proportion of volume traded as a percentage of total in that class	Proportion of orders executed as percentage of total in that class		Percentage of passive orders	Percentage of aggressive orders	Percentage of directed order	
Societe Generale	0%	84.21%		n/a	n/a	n/a	
BoA Merrill Lynch	0%	5.26%		n/a	n/a	n/a	
Goldman Sachs	0%	5.26%		n/a	n/a	n/a	
BNP Paribas	0%	2.63%		n/a	n/a	n/a	
Credit Suisse	0%	2.63%		n/a	n/a	n/a	