

A study on temporary impact and optimal order execution strategies

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1 Modeling temporary impact $g_t(x)$

Ticker	β	RMSE	R^2
CRWV	1.36×10^{-4}	9.82×10^{-4}	-0.0181
FROG	1.15×10^{-4}	5.46×10^{-4}	0.3008
SOUN	7.00×10^{-6}	1.40×10^{-5}	-106.5637

Table 1: Linear fit results.

Ticker	α	γ	RMSE	R^2
CRWV	2.3491×10^{-2}	0.2094	1.4089×10^{-4}	0.8280
FROG	1.7070×10^{-2}	0.2290	1.3025×10^{-4}	0.8435
SOUN	4.6790×10^{-3}	0.0213	7.8967×10^{-8}	0.3676

Table 2: Power-law fit results.

2 Order Execution Strategy

2 pages at most.