



Research article

Stock price forecasting based on Hausdorff fractional grey model with convolution and neural network

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Supplementary

The modeling data of the remaining 5 stocks.

Table S1. Modeling data of SZ002770.

Table with 10 columns: No., Date, Close, Date, Top_price, Low_price, Opening_price, Pre_price, Floor_price, Circulation value. It contains two data tables for stock SZ002770, one showing price modeling and the other showing trading volume and amount.

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No.	Date	Close	Date	Floor	Exchange	Volume	Amount	Total value	Circulation value
			20/1/21	-1.2658	1.6711	10,119,190	23,799,360.3	2,561,990,645	1,416,985,589
						⋮			
			20/2/10	4.3269	3.589	21,733,253	45,949,427.24	2,375,863,119	1,314,042,191

Table S2. Modeling data of SZ002607.

No.	Date	Close	Date	Top_price	Low_price	Opening_price	Pre_price	Floor_price
1	19/1/16	7.26	19/1/2	7.34	7.17	7.25	7.2	0.13
						⋮		
256	20/2/10	15.08	20/1/17	18.79	18.31	18.74	18.6	-0.22
			20/1/20	18.61	17.71	18.4	18.38	0.1
			20/1/21	18.6	17.79	18.36	18.48	-0.62
						⋮		
			20/2/10	17.69	17	17.39	17.33	0.08

No.	Date	Close	Date	Floor	Exchange	Volume	Amount	Total value	Circulation value
1	19/1/16	7.26	19/1/2	1.8056	2.1177	17,371,907	126,150,667.2	6,013,062,587	6,013,062,587
						⋮			
256	20/2/10	15.08	20/1/17	-1.1828	0.7436	6,100,428	112,898,880.2	113,000,000,000	15,077,774,945
			20/1/20	0.5441	1.5317	12,565,301	227,849,696.6	114,000,000,000	15,159,808,541
			20/1/21	-3.355	1.1639	9,548,295	172,445,898.9	110,000,000,000	14,651,200,246
						⋮			
			20/2/10	0.4616	1.8606	15,262,999	262,660,312.1	107,000,000,000	14,282,049,064

Table S3. Modeling data of SZ002567.

No.	Date	Close	Date	Top_price	Low_price	Opening_price	Pre_price	Floor_price
1	19/1/16	5.80	19/1/2	5.79	5.6	5.67	5.67	0.01
						⋮		
256	20/2/10	6.66	20/1/17	8.74	8.51	8.69	8.7	-0.18
			20/1/20	8.59	8.42	8.52	8.52	0.05
			20/1/21	8.55	8.33	8.47	8.57	-0.23
						⋮		
			20/2/10	7.8	7.08	7.15	7.17	0.58

No.	Date	Close	Date	Floor	Exchange	Volume	Amount	Total value	Circulation value
1	19/1/16	5.80	19/1/2	0.1764	0.9052	6,864,971	39,070,906.11	4,751,722,138	4,307,829,667
						⋮			
256	20/2/10	6.66	20/1/17	-2.069	2.2394	17,400,859	14,9710,538.7	7,127,583,207	6,620,450,707
			20/1/20	0.5869	2.0773	16,141,904	137,445,152.91	7,169,411,747.43	6,659,303,116.85
			20/1/21	-2.6838	1.9361	15,044,141	126,606,901.13	6,977,000,463.66	6,480,582,029.7
						⋮			
			20/2/10	8.0893	4.3409	33,730,925	255,510,583.82	6,483,423,692.25	6,022,123,588.75

Table S4. Modeling data of SZ000573.

No.	Date	Close	Date	Top_price	Low_price	Opening_price	Pre_price	Floor_price
1	19/1/16	3.20	19/1/2	3.07	3.01	3.05	3.05	-0.02
					⋮			
256	20/2/10	2.77	20/1/17	3.11	3.07	3.09	3.08	0.0
			20/1/20	3.09	3.02	3.08	3.08	0.0
			20/1/21	3.12	3.05	3.08	3.08	0.0
					⋮			
			20/2/10	2.77	2.66	2.67	2.7	0.07

No.	Date	Close	Date	Floor	Exchange	Volume	Amount	Total value	Circulation value
1	19/1/16	3.20	19/1/2	-0.6557	0.2202	1,370,300	4,157,251	1,966,335,480	1,885,636,626.57
						⋮			
256	20/2/10	2.77	20/1/17	0.0	0.8028	5,056,969	15,615,522	1,998,090,260	1,940,222,342.52
			20/1/20	0.0	0.8518	5,365,768	16,415,300	1,998,090,260	1,940,222,342.52
			20/1/21	-0.3509	0.3737	5,339,971	15,129,108	4,057,706,800	4,057,706,800
						⋮			
			20/2/10	0.0	0.9526	6,000,898	18,497,014	199,809,0260	1,940,222,342.52

Table S5. Modeling data of SZ000796.

No.	Date	Close	Date	Top_price	Low_price	Opening_price	Pre_price	Floor_price
1	19/1/16	6.79	19/1/2	6.74	6.53	6.65	6.64	-0.11
					⋮			
256	20/2/10	8.89	20/1/17	9.17	8.89	8.99	9.11	-0.15
			20/1/20	9.01	8.75	8.95	8.96	-0.07
			20/1/21	8.71	8.03	8.63	8.89	-0.57
					⋮			
			20/2/10	7.54	6.99	7.07	7.19	0.35

No.	Date	Close	Date	Floor	Exchange	Volume	Amount	Total value	Circulation value
1	19/1/16	3.20	19/1/2	-1.6566	0.1605	1,288,820	8,552,564	5,243,591,684	5,243,591,685
						⋮			
256	20/2/10	2.77	20/1/17	-1.6465	0.6711	5,388,700	48,521,984	7,194,882,311	7,194,882,312
			20/1/20	-0.7813	0.9161	7,356,000	65,246,586	7,138,672,293	7,138,672,294
			20/1/21	-6.4117	2.054	16,493,754	137,262,433	6,680,962,146	6,680,962,147
						⋮			
			20/2/10	4.8679	1.6709	13,417,453	98,072,038	6,054,621,945	6,054,621,945



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