

Table 7. Principal component score

Name of security company	First principal component score	Second principal component score	Third principal component score	Fourth principal component score	Total score	Rank of total score
Everbright Securities	18.7115	4.7635	-33.7798	1.0040	3.1245	5
Huatai Securities	15.3465	4.1280	-35.5961	1.8327	1.4288	23
Dongwu Securities	16.0836	2.0842	-33.5755	0.9768	1.3268	24
Haitong Securities	15.7015	3.5853	-34.3493	1.6382	1.5892	20
Founder Securities	13.1801	1.1562	-30.4905	-0.4649	0.2387	29
Merchants Securities	19.6869	3.5491	-38.6454	0.4035	2.2294	12
CITIC Securities	14.7094	4.9879	-30.5971	3.1112	2.4671	8
Guotai Junan	18.0459	5.9678	-32.8524	1.7127	3.4831	3
GF Securities	17.5959	4.2400	-35.7271	2.5709	2.4207	11
Shenwan Hongyuan	21.6589	0.7957	-38.2158	3.8201	2.7238	7
Guohai Securities	15.8761	1.7671	-28.6075	-0.5122	1.7868	18
Shanxi Securities	14.8309	1.5274	-27.5031	2.4491	1.9096	15
Guoyuan Securities	13.5719	4.4193	-25.4111	0.9963	2.4384	10
Northeast Securities	21.0311	2.4163	-40.3412	0.7181	2.1696	13
Western Securities	17.2431	1.1785	-33.9982	1.3957	1.4941	21
Guoxin Securities	24.5862	3.2377	-36.9645	1.1470	4.4365	2
Industrial Securities	20.5847	1.0938	-39.5588	1.4609	1.8357	17
Dongxing Securities	15.9531	1.5684	-35.7368	1.7910	0.8677	27
Huanan Securities	24.1061	0.6160	-39.9291	2.6825	3.1738	4
Orient Securities	20.1730	2.5509	-38.7300	0.4144	2.1066	14
Southwest Securities	16.9183	1.2606	-27.9854	1.6015	2.4430	9
Changjiang Securities	19.3126	0.8847	-38.7495	1.8173	1.4643	22
First Capital Securities	16.6179	0.3097	-35.7758	3.5629	0.9908	26
Central Plains Securities	17.5617	0.5020	-34.7893	1.1518	1.2467	25
Guotou Anxin	17.1618	2.3751	-35.8842	2.5454	1.6617	19
Sinolink Securities	15.1190	2.0537	-24.9470	4.0633	2.8404	6
Oriental Wealth	37.6424	3.7558	-28.7729	0.8944	11.0411	1
China Galaxy Securities	17.9688	2.3553	-36.0660	1.9485	1.8560	16
Pacific Ocean	15.7640	0.5224	-31.7472	-2.2134	0.5978	28

try is mainly affected by internal and external factors of the risks of securities business itself and regulatory layer in the securities industry, and verified by the empirical research of the principal component analysis. Therefore, based on the research results of this paper, in order to enhance the financial capability of A-share listed security companies, the following suggestions are put forward: (a) to participate in the innovation of the Internet + financial business and enhance profitability under the background of big data; (b) to profoundly understand the performance of capital market and information timely issued by the regulatory layer, and compressively research and judge the impact on the company's investment and earning capacity; (c) to draw development experience and lessons from foreign security companies, and pay attention to its capital composition and solvency; (d) to strictly control the impact of the financial leverage, margin trading and derivative financial products on its capacity of operating cash flow.

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