

Table 2) the calculation of the amounts of S and P in the CoCoSo technique for Iran's social security indicators in 2018

| Province | S | P | Province | S | P |
|-----------------------|--------|--------|----------------------------|---------------|----------------|
| Eastern Azerbaijan | 0.8240 | 17.781 | Ghazvin | 0.9803 | 17.980 |
| Western Azerbaijan | 0.8819 | 17.866 | Qom | 0.8946 | 17.860 |
| Ardebil | 0.9647 | 17.963 | Kurdistan | 0.9611 | 17.958 |
| Isfahan | 0.8820 | 17.768 | Kerman | 0.8539 | 17.820 |
| Alborz | 0.7987 | 17.745 | Kermanshah | 0.9217 | 17.912 |
| Ilam | 0.9127 | 16.965 | Kohgiluyeh and Boyer-Ahmad | 0.9748 | 17.973 |
| Bushehr | 0.9826 | 17.982 | Golestan | 0.9362 | 17.932 |
| Tehran | 0.1632 | 3.924 | Gilan | 0.9438 | 17.939 |
| Chaharmahal Bakhtiari | 0.9283 | 17.920 | Lorestan | 0.8982 | 17.781 |
| Southern Khorasan | 0.9689 | 17.967 | Mazandaran | 0.7749 | 15.875 |
| Razavi Khorasan | 0.7895 | 17.717 | Markazi | 0.9594 | 17.957 |
| Shomali Khorasan | 0.9786 | 17.978 | Hormozgan | 0.9369 | 17.932 |
| Khuzestan | 0.8843 | 17.795 | Hamedan | 0.9432 | 17.939 |
| Zanjan | 0.9479 | 17.942 | Yazd | 0.9660 | 17.964 |
| Semnan | 0.9346 | 17.926 | Total | 27.390 | 536.764 |
| Sistan & Baluchestan | 0.8546 | 17.776 | Max S | 0.983 | |
| Fars | 0.8084 | 17.837 | Max P | | 17.982 |

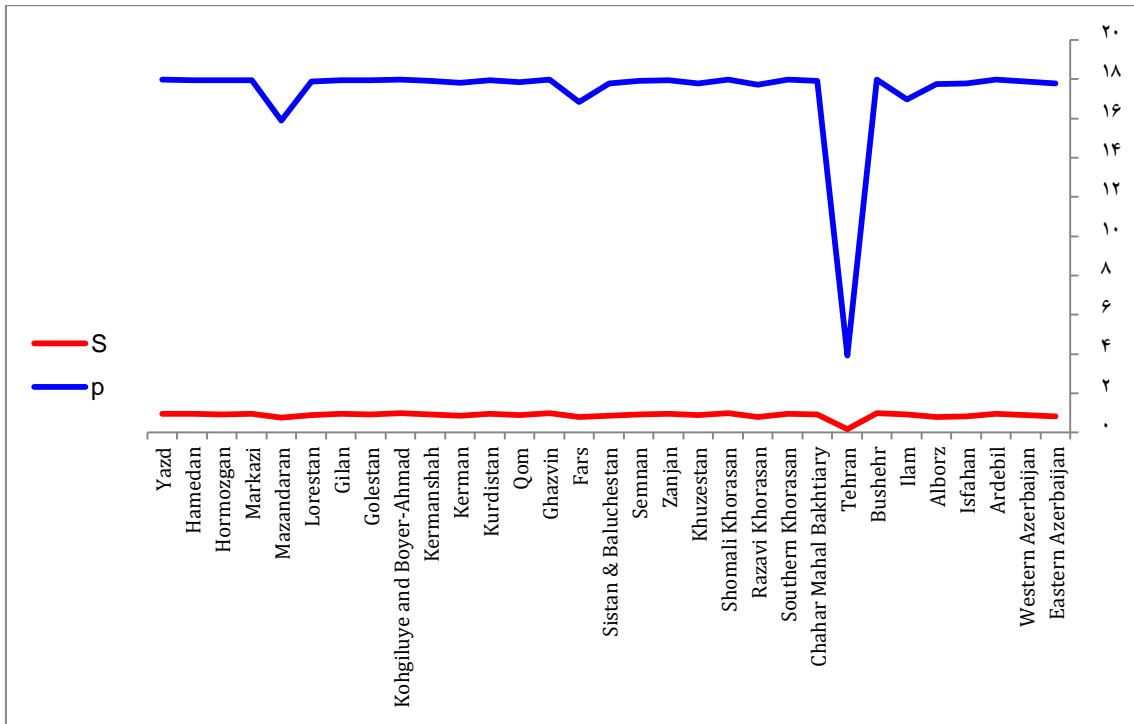


Figure 2) calculation of the amounts of S and P in CoCoSo technique for Iran social security indicators in 2018

Table 3) calculation of three strategies of CoCoSo technique for Iran's social security indicators 2018

| Province | Ka | Kb | Kc | Province | Ka | Kb | Kc |
|---------------------------|--------|--------|-------|----------------------------|-------|--------|-------|
| Eastern Azerbaijan | 0.0333 | 9.581 | 0.981 | Fars | 0.033 | 9.245 | 0.930 |
| Western Azerbaijan | 0.033 | 9.958 | 0.989 | Ghazvin | 0.034 | 10.590 | 1.000 |
| Ardebil | 0.034 | 10.490 | 0.998 | Qom | 0.033 | 10.034 | 0.989 |
| Isfahan | 0.033 | 9.566 | 0.980 | Kurdistan | 0.034 | 10.467 | 0.998 |
| Alborz | 0.033 | 9.417 | 0.978 | Kerman | 0.033 | 9.775 | 0.985 |
| Ilam | 0.032 | 9.917 | 0.981 | Kermanshah | 0.033 | 10.214 | 0.993 |
| Bushehr | 0.034 | 10.604 | 1.000 | Kohgiluyeh and Boyer-Ahmad | 0.034 | 10.555 | 0.995 |
| Tehran | 0.007 | 2.000 | 0.216 | Golestan | 0.033 | 10.307 | 0.999 |
| Chaharmahal and Bakhtiari | 0.033 | 10.256 | 0.994 | Gilan | 0.033 | 10.356 | 0.996 |
| Southern Khorasan | 0.034 | 10.517 | 0.999 | Lorestan | 0.033 | 10.059 | 0.990 |
| Razavi Khorasan | 0.033 | 9.354 | 0.976 | Mazandaran | 0.030 | 10.795 | 0.878 |
| Shomalikhorasan | 0.034 | 10.579 | 1.000 | Markazi | 0.034 | 10.456 | 0.997 |
| Khuzestan | 0.033 | 9.954 | 0.985 | Hormozgan | 0.033 | 10.312 | 0.995 |
| Zanjan | 0.033 | 10.382 | 0.996 | Hamedan | 0.033 | 10.352 | 0.996 |
| Semnan | 0.033 | 10.296 | 0.995 | Yazd | 0.034 | 10.498 | 0.998 |
| Sistan & Baluchestan | 0.033 | 9.768 | 0.982 | | | | |

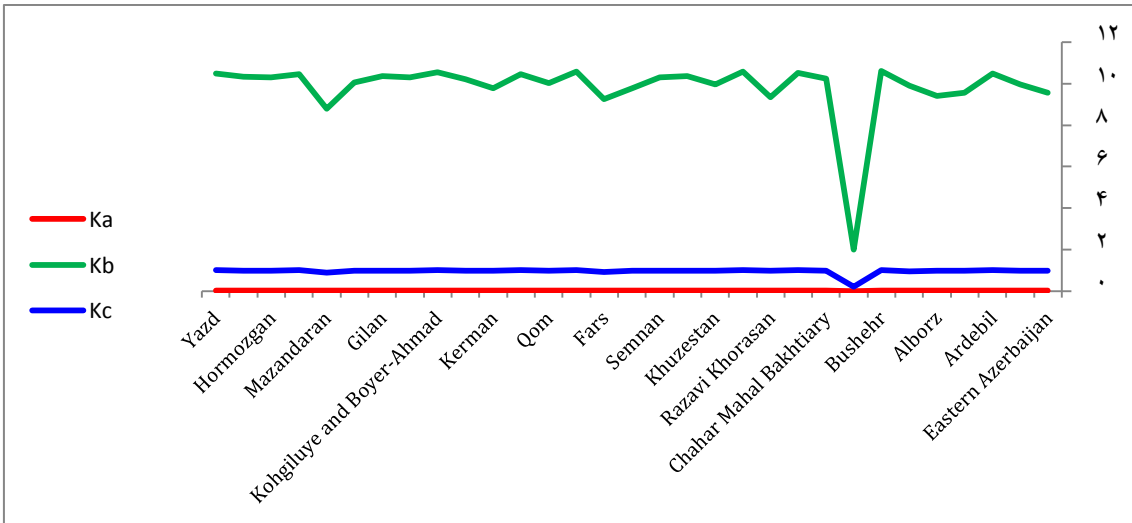


Figure 3) calculation of three strategies in CoCoSo technique for Iran's social security indicators in 2018

Table 4) calculation of the amount of K and provinces' rank in terms of the social security indicators in 2018

| Province | K | Rank | Security level | Province | K | Rank | Security level |
|----------------------------|-------|------|----------------|----------------------|-------|------|----------------|
| Bushehr | 4.588 | 1 | Very high | Kermanshah | 4.444 | 17 | High |
| Ghazvin | 4.583 | 2 | | Lorestan | 4.386 | 18 | |
| Northern Khorasan | 4.579 | 3 | | Qom | 4.376 | 19 | |
| Kohgiluyeh and Boyer-Ahmad | 4.570 | 4 | | Western Azerbaijan | 4.349 | 20 | |
| Southern Khorasan | 4.556 | 5 | | Khuzestan | 4.345 | 21 | |
| Yazd | 4.549 | 6 | | Ilam | 4.297 | 22 | |
| Ardebil | 4.546 | 7 | | Kerman | 4.280 | 23 | |
| Kurdistan | 4.537 | 8 | | Sistan & Baluchestan | 4.276 | 24 | |
| Markazi | 4.533 | 9 | | Eastern Azerbaijan | 4.209 | 25 | |
| Zanjan | 4.506 | 10 | | Isfahan | 4.202 | 26 | |
| Gilan | 4.497 | 11 | | Alborz | 4.147 | 27 | |
| Hamedan | 4.495 | 12 | | Razavi Khorasan | 4.123 | 28 | Medium |
| Hormozgan | 4.480 | 13 | | Fars | 4.048 | 29 | |
| Golestan | 4.479 | 14 | | Mazandaran | 3.845 | 30 | Low |
| Semnan | 4.474 | 15 | | Tehran | 0.887 | 31 | |
| Chaharmahal and Bakhtiari | 4.460 | 16 | | | | | |

Table 5) developmental situation of Iran's provinces in 2018

| Province | Vikor score | Rank | Developmental level | Province | Vikor score | Rank | Developmental level |
|---------------------------------|-------------|------|---------------------|-----------------------------------|-------------|------|---------------------|
| Tehran | 1.0000 | 1 | Highly prosperous | Golestan | 0.1389 | 17 | Almost prosperous |
| Razavi Khorasan | 0.8170 | 2 | | Hamedan | 0.1292 | 18 | |
| Isfahan | 0.5945 | 3 | | Ghazvin | 0.1256 | 19 | |
| Khuzestan | 0.5477 | 4 | | Bushehr | 0.1251 | 20 | |
| Eastern Azerbaijan | 0.5362 | 5 | | Ardebil | 0.1206 | 21 | |
| Fars | 0.5219 | 6 | | Northern Khorasan | 0.1177 | 22 | |
| Western Azerbaijan | 0.3270 | 7 | | Qom | 0.1113 | 23 | |
| Lorestan | 0.3037 | 8 | Prosperous | Hormozgan | 0.0985 | 24 | Deprived |
| Kerman | 0.2920 | 9 | | Zanjan | 0.0672 | 25 | |
| Mazandaran | 0.2689 | 10 | | Yazd | 0.0570 | 26 | |
| Alborz | 0.2611 | 11 | | Kohgiluyeh and Boyer-Ahmad | 0.0642 | 27 | |
| Gilan | 0.2143 | 12 | | Chaharmahal and Bakhtiari | 0.0328 | 28 | |
| Kurdistan | 0.1957 | 13 | | Semnan | 0.0270 | 29 | |
| Kermanshah | 0.1665 | 14 | | Ilam | 0.0241 | 30 | |
| Markazi | 0.1606 | 15 | Almost prosperous | Southern Khorasan | 0.0237 | 31 | |
| Sistan & Baluchestan | 0.1551 | 16 | | | | | |