

Binary distribution matrix

Principle components contribution in each attributes

Attribute Name Component ID	RMND1	ANKRD54	MC2R	Attribute Name Component ID	RMND1	ANKRD54	MC2R
2015	1	1	1	2015	-4.012	-4.903	-1.069
641	1	1	1	641	4.436	3.949	0.872
281	X	X	X	281	1.093	1.369	0.273
609	X	X	X	609	1.261	1.342	0.286
899	X	X	X	899	-1.577	-1.688	-0.396
1414	X	X	X	1414	-1.238	-1.115	-0.269
...

The original components in this closed associate rule which have significant value in binary distribution matrix.

The components which have similar pattern with original components.

X means it is 1/0, not always 1

S7 Fig. A diagram illustrating the processes of binary distribution matrix analysis and principle components contribution analysis. The selected components containing all components whose distribution is similar with the components in the component collection of this closed associate rule.

References

1. Tirosh I, Izar B, Prakadan SM, Wadsworth MH, Treacy D, Trombetta JJ, et al. Dissecting the multicellular ecosystem of metastatic melanoma by single-cell RNA-seq. Science. 2016; 352(6282):189-96.
2. Bewick V, Cheek L, Ball J. Statistics review 12: survival analysis. Crit. Care. 2004; 8(5):389.
3. Therneau T, Lumley T. Survival: Survival analysis, including penalised likelihood. R package version 2.35-7. R foundation for Statistical Computing 2011.