1		New technologies have vastly improved data collection, generating a deluge of information across different disciplines.	1	+ The increasing availability of data has opened up new possibilities for scientific exploration.
2	-	This large amount of data provides new opportunities to address unanswered scientific questions, provided we have efficient tools capable of identifying multiple types of underlying patterns.	2	+ To take advantage of this, we need efficient tools to identify multiple types of relationships between variables.
3	-	Correlation analysis is an essential statistical technique for discovering relationships between variables [@pmid:21310971].	3	+ Correlation analysis is a useful statistical technique to uncover such relationships [@pmid:21310971].
4	-	Correlation coefficients are often used in exploratory data mining techniques, such as clustering or community detection algorithms, to compute a similarity value between a pair of objects of interest such as genes [@pmid:27479844] or disease-relevant lifestyle factors [@doi:10.1073/pnas.1217269109].	4	+ Correlation coefficients are often used in data mining techniques, such as clustering or community detection, to calculate the similarity between two objects, like genes [@pmid:27479844] or lifestyle factors related to diseases [@doi:10.1073/pnas.1217269109].
5	-	Correlation methods are also used in supervised tasks, for example, for feature selection to improve prediction accuracy [@pmid:27006077; @pmid:33729976].	5	+ They are also used in supervised tasks, like feature selection, to boost prediction accuracy [@pmid:27006077; @pmid:33729976].
6	-	The Pearson correlation coefficient is ubiquitously deployed across application domains and diverse scientific areas.	6	+ The Pearson correlation coefficient is widely used across many application domains and scientific disciplines.
7	-	Thus, even minor and significant improvements in these techniques could have enormous consequences in industry and research.	7	+ Therefore, even small improvements in this technique can have a huge impact on industry and research.