**Community Contribution**

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* Motivation:

The package ‘circlize’ is a “young” package, but it is really strong. It can not only reflect the interaction relationship between the two variables, but also reflect the intensity of interaction. So far, few people have systematically sorted out the various functions of this package, so I want to help others realize the magic and power of this package through the cheat sheet. Besides, we can put different plots in a circle, so that we can see the relationship between variables more clearly and conveniently.

* The need it addresses:

This package is very useful to represent complicated information, especially on the biostatistics field. First, it elegantly represents information with long axes or large amounts of categories; second, it intuitively shows data with multiple tracks focusing on the same object; third, it easily demonstrates relations between elements. It provides an efficient way to arrange information on the circle and it is beautiful. For example, it can be used to plot trade flows between countries, flights between cities, and to visualize cellular and genetic data, etc.

* My evaluation:

I think this cheat sheet could help those who want to use the package at school or work. In this process, I learned how to draw different graphs together through different functions and present complex information in a plot. When I encounter similar situations in the future, I can have more choices to make fancy and functional plots. Next time I'll focus on real life data sets and find how to better present and analyze them through the package.

Resources: https://jokergoo.github.io/circlize\_book/book/