

Venn: Powerful and High-Level and Set Manipulating ... a whole new way of working with data

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1. Open Data (<http://www.opendatagroup.com>)

Native R does not provide great tools for working with set. Some functions, like subset and split exist, but these can become tedious, overly verbose and error-prone especially with high-dimensional data. The venn package alleviates the frustration of working sets. The venn package provides: a simple R-like mechanism for defining sets, all the usual set functions (union, intersection, complement, etc.), high-level syntax and semantics, simple partitioning, straight-forward segmentation, the ability to work abstractly and apply the results to new data, and the ability to apply functions to regions of data that is very difficult using the *apply alone. Depending on how you look at it, venn is either a tool to make working with sets possible and easy OR a whole new way of working with data.