

# Working with messy data sets? Two useful and free tools

## Description

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I have just come across two useful *apps* (aka *software packages* (aka *tools*)) for when you are working with someone else's data sets and/or data sets from multiple sources and times. Or, just your own data that was in a less than perfect state when you last left it :-)

- [OpenRefine](#): Initially developed by Google and now open source with its own support and development community. You can explore the characteristics of a data set, clean it in quick and comprehensive moves, transform its layout and formats, as well as reconcile and match multiple data sets. There is [documentation](#) and videos to show you how to do all this. There is also [a book](#), which you can purchase. The [wikipedia entry](#) provides a good overview.
- [Tabula](#): This package allows you to extract tables of data from pdfs, a task which otherwise can be very tiresome, messy and error prone

And some other packages I have yet to explore

- [Google Fusion Tables](#): A web service that provides means for visualizing data with pie charts, bar charts, lineplots, scatterplots, timelines, and geographical maps. Data is exported in a comma-separated values file format.
- And a review of [22 free tools for data visualization and analysis](#) (including those above) that looks worth exploring

## Category

1. Uncategorized

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