

# sigmajs: An R htmlwidget interface to the sigma.js visualization library

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## Software

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## Summary

The package `sigmajs` (Coene 2018) bridges the [sigma.js JavaScript](#) library and R (R Core Team 2018) via the `htmlwidgets` package (Vaidyanathan et al. 2018). The package also extends the original JavaScript library by providing additional functions, namely using the `igraph` package (Csardi and Nepusz 2006) that enable the user to layout and cluster graphs. Finally `sigmajs` is also integrated with the `crosstalk` package (Cheng 2016) which enables graphs to be wired to other `htmlwidgets` such as `plotly` (Sievert et al. 2017) and `leaflet` (Cheng, Karambelkar, and Xie 2018).

## Functionality

Graphs are initialised with `sigmajs()`, all other functions start with `sg_` and Shiny (Chang et al. 2018) proxies end with `_p`. Functions can be piped to build the desired graph.

- Shiny proxies.
- Crosstalk integration.
- Buttons to trigger various animations.
- Possibility to capture graph interactions in Shiny.

The R package `sigmajs` is available on [GitHub](#) or [Bitbucket](#), issues can be opened on [Github](#) only. All functions are documented in the package (`.Rd` files) as well as [online](#) with the R package `pkgdown` (Wickham and Hesselberth 2018).

## References

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