

# Install the extension of package emdi from second branch

## Package emdi 1.1.7

Package emdi contains functions that support estimating, assessing and mapping regional disaggregated indicators. In the first version, estimation methods comprised direct estimation and the model-based approach Empirical Best Prediction (Molina and Rao 2010) as well as their precision estimates.

The package is available on CRAN and a corresponding article is published in the Journal of Statistical Software (Kreutzmann et al. 2019).

```
install.packages("emdi")  
library(emdi)
```

## Planned developments: Integration of area-level models

Currently, major extension are added to the package: various area-level models. These will be added to the original package but so far, these are available via github. The installation may require the manual installation of dependencies.

```
library(githubinstall)  
gh_install_packages("emdi", ref = "fh_integration")
```

## References

- Kreutzmann, Ann-Kristin, Soeren Pannier, Natalia Rojas-Perilla, Timo Schmid, Matthias Templ, and Nikos Tzavidis. 2019. “The R Package Emdi for Estimating and Mapping Regionally Disaggregated Indicators.” *Journal of Statistical Software* 91 (7): 1–33.
- Molina, I., and J. N. K. Rao. 2010. “Small Area Estimation of Poverty Indicators.” *The Canadian Journal of Statistics* 38 (3): 369–85.