

# simStateSpace: Simulate Data from State Space Models

Ivan Jacob Agaloos Pesigan

## Description

Provides a streamlined and user-friendly framework for simulating data in state space models, particularly when the number of subjects/units ( $n$ ) exceeds one, a scenario commonly encountered in social and behavioral sciences. For an introduction to state space models in social and behavioral sciences, refer to Chow et al. (2010).

## Installation

You can install the released version of `simStateSpace` from [GitHub](#) with:

```
install.packages("remotes")
remotes::install_github("jeksterslab/simStateSpace")
```

## More Information

See [GitHub Pages](#) for package documentation.

## References

- Chow, S.-M., Ho, M.-h. R., Hamaker, E. L., & Dolan, C. V. (2010). Equivalence and differences between structural equation modeling and state-space modeling techniques. *Structural Equation Modeling: A Multidisciplinary Journal*, 17(2), 303–332. <https://doi.org/10.1080/10705511003661553>
- R Core Team. (2024). *R: A language and environment for statistical computing*. R Foundation for Statistical Computing. Vienna, Austria. <https://www.R-project.org/>