

# Daniel Slutsky | Resume

Data scientist, software developer

Status: Data-science consultant; Community organizer at Scicloj  
Location: Ramat Gan, Israel

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Hello. I'm Daniel, a mathematician and a software engineer. In the last few years, I've been organizing the [Scicloj](#) open-source group, where we built a data science toolkit for the Clojure programming language. The fruits of our work were demonstrated at the [SciNoj Light](#) conference (May 2025). I am now opening up to explore new challenges.

## Experience

Open-source developer and organizer - Scicloj 2019-present

- \* Co-maintaining open-source projects. Especially: Noj, Clay, Tableplot, Tablemath, Kindly, ClojisR, previously Notespace, and the Scicloj website.
- \* Running dev groups, study groups, and workshops; mentoring newcomers.

Scicloj projector - projects funded by Clojurists Together 2024 Q1,Q3

- \* Worked on maturing the Scicloj toolkit for data science. Initiated the Scicloj open-source mentorship program.

Data scientist, backend engineer - Madlan / Localize.city 2014-2023

- \* Took part in the startup from early stages; recruited and mentored team members.
- \* Worked on data problems in diverse fields including urban spatio-temporal modeling, GIS, real-estate pricing, NLP, deep learning, and recommendation systems. Built data analytics tooling and infrastructure.

Machine learning researcher and engineer - Katros (finance-related startup) 2012-2014

- \* First employee, involved in critical tasks at the team.
- \* Conducted various research projects, mostly time series analysis and machine learning.
- \* Designed and developed a machine learning engineering platform in Clojure.

Mathematician - Clal Finance 2010-2011

- \* Responsible for research projects analyzing financial time series

Algorithms researcher - Taboola 2007-2010

- \* Founding team member. Built recommendation systems using NLP, collaborative filtering, and machine learning.

## Education

Yoga teacher training - Studio Naim 2018-2019

M.A. in Sociology - Tel Aviv University 2010-2014

M.Sc. in Math (w. highest honor) - Tel Aviv University 2001-2006

- \* Thesis: Restrictions for Thin Young Diagrams (in the fields of representation theory and noncommutative probability)

## Public activity

Community organizer and team coordinator - various local movements for social action 2008-2018

## Technical Skills

- \* Sound background in math, particularly probability theory & stochastic processes.
- \* Time series analysis, spatial analysis, Bayesian methods, random simulations, machine learning, data visualization, recommendation systems, GIS.
- \* Clojure, R, Python, C, Java, Lisp; Tensorflow, PyTorch, BERT, Llama; Tensorflow Probability, Stan, PyMC; spaCy; Clojurescript, Javascript; Linux shell; DVC; Docker; PostgreSQL; QGIS, etc.
- \* Teaching and mentoring in diverse topics.