Daniel Slutsky | Resume

Data scientist, Clojure developer

Status: Community organizer at Scicloj   github.com/daslu

Summary

A Statistician/Probabilist and Clojure engineer. In the last few years, focusing on organizing Scicloj, an open-source group building Clojure's data science stack.

Experience

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, real-estate pricing, NLP, and recommendation systems.

* Used diverse technologies (Clojure, Java, R, Python, Tensorflow Probability, Stan, PyMC, SQL, etc.).

* Built data analytics tooling and infrastructure.

Machine learning researcher and engineer - Katros (fincance-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

* Member of the founding team.

* Developed 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

Co-organizer - Scicloj   2019-persent

* Co-maintaining open-source projects, mainly Kindly, Clay, Notespace, ClojisR, and the Scicloj website.

* Running dev groups, study groups, and workshops; mentoring newcomers.

* Organizing Jointprob, a study community for Bayesian statistics and probabilistic modeling.

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; Tensorflow Probability, Stan; PyMC; spaCy; Clojurescript, Javascript; Linux shell; DVC; Docker; PostgreSQL, etc.
* Teaching and mentoring in diverse topics.

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