

PROFILE

- 10 years of experience in analysis of large and complex data sets in collaborative projects.
- Experienced in producing novel insights into challenging problems and in communicating the results to specialists and non-specialists.
- **I believe that asking the right questions is as important as our efforts to answer them.**

WORK EXPERIENCE

Researcher (post-doctoral) 2015 – present
University of Chicago, Chicago, USA

- Developed a new way to define malaria strains by **applying network analysis and clustering methods to large, structured temporal data sets** of malaria genetics (1 publication in a high profile journal).
- Developed a framework for the study of highly-dimensional ecological networks, resulting in a scientific publication that led to a significant impact in the field (**cited 91 times within the first year**).

Researcher (doctoral) 2009 – 2015
Ben-Gurion University, Israel

- **Led 5 data-driven projects involving 10+ collaborators**, resulting in 5 scientific publications (cited 111 times), leading to new insights in ecological sciences.
- Analyzed data using univariate and multivariate statistics in 10 additional projects, resulting in over 100 citations.
- Developed data-driven projects in the area of complex systems that raised 237K from two prestigious foundations, **260% more than the average** funding for similar projects.

Database administrator & project manager 2006 – 2007
Tel-Aviv University, Israel

- Developed a dedicated database using SQL to **manage multiple kinds of ecological data from multiple sources**.
- Managed a team of scientists to coordinate data collection.

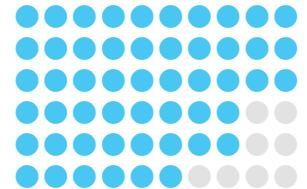
Spanish teacher 2002 – 2007
American Alliance Institute, Israel

- Taught Spanish to **over 500 students** of all ages and levels.
- **Wrote a book** for Spanish teaching and developed study materials.

SKILLS

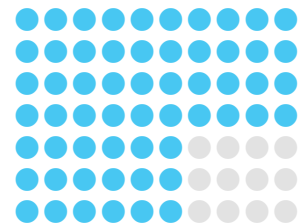
Analysis and statistics

Network analysis
Resampling statistics
Univariate statistics
Multivariate statistics
Clustering
Time series



Programming and related

R
igraph (networks)
ggplot (visualization)
GitHub
Python
SQL
Shell scripting (Linux)



COMMUNICATING RESULTS

- Gave **12 invited and 11 non-invited** talks at international conferences and university seminars. Organized 2 scientific meetings.
- Published **10 first-author papers** in leading scientific journals, and collaborated on 12 more.
- Won 2nd place in a competition for communicating projects with videos.

EDUCATION

Ph.D.+M.Sc., Ecology 2009 – 2015
Ben-Gurion University, Israel

- I was awarded the James S. McDonnell foundation fellowship for studying complex systems (**one of only 10 recipients worldwide**).
- I was awarded the **Fulbright** fellowship.

B.Sc., Life Sciences 2003 – 2007
Tel-Aviv University, Israel

STRENGTHS

Independent

Creative thinking

Team-working

Loves to learn

Efficient time management

LANGUAGES

English (full), Spanish (full), Hebrew (native)