
- Tal Galili -

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Summary

I am a PhD candidate in statistics under the guidance of Professor Yoav Benjamini at Tel Aviv University. My main interests include statistics, R programming, education, and blogging (WordPress).

Education

2011-present	Tel Aviv University	PhD candidate in statistics (ongoing work under the guidance of Professor Yoav Benjamini)
2007-2011	Tel Aviv University	MA in statistics (specialty in biostatistics) Thesis completed under the guidance of professor Yoav Benjamini. Thesis titled "A study on the Archaea ensembles of 'tRNA - Amino Acid' pairs as a species-specific evolving cipher through classification trees and comparison of hierarchical clusterings". Degree final grade: 94 . Thesis final grade: 98 .
2002-2007	Tel Aviv University	BA in statistics and General Humanities Double major in Statistics and Operations Research and General Humanities (in triple concentration of Philosophy of Science, Cognitive Science, and Indian Philosophy). Finished the General Humanities part with excellence (final grade: 91).

Academic Appointments

2010-present	Tel Aviv University	Teaching assistant (lecturer) for statistics courses: <ul style="list-style-type: none">• Statistical theory for statisticians• Financial data analysis• Introduction to statistics for statisticians• Introduction to statistics for computer scientists• Introduction to statistics for life sciences• Introduction to statistics for social sciences• Introduction to statistics for medical sciences• Biostatistics for medical sciences
2008-2010	Tel Aviv University	Statistician at the TAU Statistical Lab

Merits and Awards

- 2014 Received the Ruth and Nathan Elyosef award for excellence in teaching (Tel Aviv University).
- 2013 Recognition as one of the top 100 teaching assistants of Tel-Aviv University.
- 2012 Recognition as one of the top 100 teaching assistants of Tel-Aviv University.
- 2012 Received the Nimrod-Lapid prize 2012 award for Excellent M.Sc. student prize (Tel Aviv University).
- 2008 M.A. Scholarship for excellent students from the Shreiber Math School (Tel Aviv University).

Associations

- 2014-present Committee member at the Israel Statistical Association
2013-present Member of the Foundation for Open Access Statistics
2007-present Member of The Israel Statistical Association

Referee for Peer Reviewed Journals

An occasional reviewer for *bioinformatics*

Publications

- Tal Galili**, Alexis Mitelpunkt, Netta Shachar, Mira Marcus-Kalish and Yoav Benjamini. (2014). Categorize, Cluster and Classify: a 3-C strategy for scientific discovery in the Medical Informatics platform of the Human Brain Project. Discovery Science conference in Slovenia.
- Scivoletto, G., Glass, C., Anderson, K. D., **Galili, T.**, Benjamin, Y., Aidinoff, E., ... & Catz, A. (2014). An International Age-and Gender-Controlled Model for the Spinal Cord Injury Ability Realization Measurement Index (SCI-ARMI). *Neurorehabilitation and neural repair*, 1545968314524631.
- Brezis, R. S., **Galili, T.**, Wong, T., & Piggot, J. I. (2013). Impaired Social Processing in Autism and its Reflections in Memory: A Deeper View of Encoding and Retrieval Processes. *Journal of autism and developmental disorders*, 1-10.
- Aidinoff, E., Benjamini, Y., **Galili, T.**, Polliack, T., Front, L., Bluvshstein, V., Itzkovich, M., et al. (2011). Non-linear formulas for the spinal cord injury ability realization measurement index. *Spinal cord*. doi:10.1038/sc.2011.145
- Bluvshstein, V., Front, L., Itzkovich, M., Benjamini, Y., **Galili, T.**, Gelernter, I., Aidinoff, E., et al. (2011). A new grading for easy and concise description of functional status after spinal cord lesions. *Spinal cord*. doi:10.1038/sc.2011.84
- Benjamini, Y., Fonio, E., **Galili, T.**, Havkin, G. Z., & Golani, I. (2011). Quantification of Behavior Sackler Colloquium: Quantifying the buildup in extent and complexity of free exploration in mice. *Proceedings of the National Academy of Sciences of the United States of America*. doi:10.1073/pnas.1014837108

R packages authored

dendextend - Extending R's dendrogram functionality

<http://cran.r-project.org/web/packages/dendextend/>

dendextendRcpp - Faster dendrogram manipulation using Rcpp (and C++)

<http://cran.r-project.org/web/packages/dendextendRcpp/>

Installr - Using R to install stuff (such as: R, Rtools, RStudio, git, and more!)

<http://cran.r-project.org/web/packages/installr/>

Conference - Presentations and Invited Talks

- 2014-09 **EARL 2014, England**
Came as an invited guest. Chaired "Session 2 - Business Applications of R"
And gave a talk on: "Package dendextend".
- 2014-07 **useR 2014, USA**
Presented: "dendextend: an R package for easier manipulation and visualization of dendrograms"
- 2014-07 **Israeli R user group meeting, Israel**
Presented: "An introduction to knitr and reproducible research"
- 2013-09 Gave the talk "Creating beautiful trees of clusterings with R" (`dendextend`) at:
- **Greater Boston useR Group, USA**
 - **New York Open Statistical Programming, USA**
 - **NYC Open Data, USA**
- 2013-07 **useR 2013, Spain**
 1. "Deciphering the tRNA operational code - using R"
 2. "The `installr` package - using R to install stuff " (lightning talk)
- 2012-06 **useR 2012, USA**
Served on the program committee board
- 2011-08 **useR 2011, England**
 3. "Using R to quantify the buildup in extent of free exploration in mice"
 4. "The present and future of blogging and R" (lightning talk)
- 2011-03 **Israeli Statistical Association's Visualization Workshop (part II), Israel**
"Creating publication quality visualization using R (+Mondrian gems)"
- 2011-02 **Israeli Statistical Association's Visualization Workshop (part I), Israel**
"The principles of interactive visualization (using GGobi)"
- 2010-07 **useR 2010, USA**
 1. "Analyzing the Operational RNA Code for Amino Acids - Using R"
 2. "Blogging about R"
- 2010-03 **Israeli Statistical Association's R Workshop, Israel**
"R as a Statistical Environment"
- 2010-01 **The MOFET Institute, MOFET 2010 conference, Israel**
"Privacy, Addiction, and the Hope for a Generation of Tribal Leaders on the Web"
- 2009-07 **useR 2009, France**
"Using R for Regression Model Selection with Adaptive Penalties Procedures Based on the False Discovery Rate (FDR) Criteria"
- 2008-10 **WordCamp Israel 2008**
Main co-organizer (out of four) of the second WordPress (open-source blogging platform) conference in Israel (attended by 275 people)
- 2008-06 **The MOFET Institute, Surfing the internet 7, Israel**
"The Blog as the Message: Finding Our Voice on the Web"
- 2008-03 **Teldan, INFO 2008, Israel**
"Identity and Trust Online"
- 2007-10 **WordCamp Israel 2007**
Main co-organizer (out of three) of the first WordPress (open-source blogging platform) conference in Israel (attended by 175 people)

Other Projects

2012-present	Statistics.com Instructor in the online course "Introduction to R - Data Handling"
2006-2010	Tel Aviv University (Department of Musicology) Statistical consultant for research projects supervised by Professor Zohar Eitan
06/2007	KDD Cup 2007 Data Mining Competition Group leader for student team, placing 16 th out of 100 competitors
10/2006	Department of Agriculture Education and Extension Statistical consultant for quality assurance of mango exports

Service to the open-source community

Founded **R-bloggers.com** – a meta blog which serves over 17,000 subscribers by aggregating R related posts from over 560 blogs (and growing) from the R blogosphere.

Authored the above mentioned R packages, and continue their ongoing development and support on github: <https://github.com/talgalili>

A contributor on:

<https://en.wikipedia.org/wiki/User:Talgalili> (since 2006)

<http://stackoverflow.com/users/256662/tal-galili>

<http://stats.stackexchange.com/users/253/tal-galili>

Founded **R-Users.com** – a job board for R users.

Founded The Israeli R users groups, jointly with Dr. Jonathan Rosenblatt (2010):

<https://groups.google.com/forum/#!forum/israel-r-user-group>

Initiated the Israeli R user group meetings, in collaboration with the Israeli Statistical Association: (2014)

<http://www.R-israel.com>

Previous Work Experience

2007-2008	Compucall Web analyst for a web marketing firm
2004-2005	Ariel Corporation for Medicine and Aesthetics Information manager and software instructor
2004-2007	Weizmann Institute of Science Lecturer and instructor for Institute's science museum ("Garden of Science")
2002	National Agency for Geodesy, Cadastre, Mapping and Geographic Information Technical system support

Languages

- **Hebrew**- Fluent in both verbal and written expression
- **English**- Fluent in both verbal and written expression