



# TOM YISHAY

## Professional summary

Development, research, and implementation of methods for (behavioral) data analysis.

## Skills

### Data analysis

R studio	● ● ● ● ●
QML	● ● ● ● ●
SPSS	● ● ● ● ●
Minitab	● ● ● ● ●
Excel	● ● ● ● ●
MATLAB	● ● ● ● ●

### Research

Scientific writing	● ● ● ● ●
APA formatting	● ● ● ● ●
Test construction	● ● ● ● ●
Presentation	● ● ● ● ●

### Languages

Hebrew	● ● ● ● ●
English	● ● ● ● ●
Dutch	● ● ● ● ●

## Contact

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## Experience

2013 - 2018

### THE TISCH FAMILY ZOOLOGICAL GARDENS

*ZOO keeper, Jerusalem*

- Shift management of the Australian and the Petting corner departments by supervising 3-5 workers.
- Looking after the animals- their safety and health, preparing food and cleaning cages.

2018 - Present

### We are Amsterdam

*Tour guide and costumer support/Sales, Amsterdam*

- Tour guide inside of Amsterdam and outside of it (Volendam, Githoorn, Marken, Zaanse Schans and Monekendam).
- Development and construction of new tours.
- Guiding groups up to 30 people in English/ Hebrew.
- Organization, sale, and scheduling of tours.

2020 - Present

### JASP/SKF

*Developer/Analyst, Amsterdam*

Responsible for the development and implementation (using R and QML) of Six-Sigma process control analysis for SKF group.

- Research and development of methods used in control charts (variable, attribute and special charts) and process capability studies (probability plots).
- Testing of the developed analyses using uni-tests and sampled data.
- Communicating between JASP and SKF to satisfy both companies' needs.

# Education

2006 - 2018

## School student

*Rehavia Gymnasium, Jerusalem*

- Honor student for the years 2015, 2014, 2016 and 2017.

- Following the courses for the matriculation exams Biology and Chemistry at 5 points (highest) level.

- Completed the 5 points matriculation exams English with the band score of 98 (out of 100).

- Completed the 4 points matriculation exams Mathematics with the band score of 97.

2018 - 2021

## B.Sc. Psychology

*University of Amsterdam, Amsterdam*

- Propaedeutic diploma with a GPA of 8.55 (cum lude).

- **Research thesis:** The Role of Emotional Compared to Political Involvement in Attitude Polarization as Modeled by the Cusp model of complex systems.

- Bachelor specialization in Psychological Research Methods/ Behavioral data science:

*Simulating psychological processes-* basic skills in programming (R), simulations methods, modeling, and statistics.

*Latent variable models-* the theory and application (using R) of the widely used latent variable models to surveys including parametric estimation methods (factor analysis, latent class analysis, item response modeling, mixture models).

*Mathematical modelling in Psychology-* theory and applications of common cognitive models and application of such models using R. Additionally, Fundamental Algebra and Calculus skills are taught.

Fundamental of methodology- theory and measurement of psychological constructs.

*Multivariate statistics and Machine learning-* theory and application of most commonly used multivariate statistical methods (General Linear Model (GLM, including MAN(C)OVA and Repeated Measures analysis), Principal Components, Linear Discriminant Analysis, Logistic regression, and clustering methods) plus machine learning applications. All applied in R.

*Bayesian statistics-* Probability theory, the likelihood and prior distribution, Prediction and the posterior distribution and, dependent sampling. All applied in R.

2018 - 2021

**Honors program of Psychology**

*University of Amsterdam, Amsterdam*

Completion of the Honors program of Psychology,  
30 extra EC's with a mean score of 8.5 (cum lude):

- Medical psychology.
- Introduction to programming in MATLAB and R.
- Reductionism & Psychology.
- Breaking Borders (interdisciplinary projects).