

האיגוד הישראלי לסטטיסטיקה ומדע הנתונים
The Israel Statistics and Data Science Association
الرابطة الإسرائيلية للإحصاء وعلم البيانات

מוזיאון ארץ ישראל, תל אביב | June 1, 2023 | Annual Conference

8:30 - 9:30 Registration + Morning Coffee

9:30 - 11:10 Morning Plenary Session

Greetings: Prof. Orly Manor, HUJI, President ISA

Keynote Address: Prof. Susan Murphy, Harvard University

We used Reinforcement Learning; but did it work?

Discussant: Dr. Ofra Amir, Technion

Special Invited Lecture: Dr. Sharon Alroy-Preis, Ministry of Health

From reactive to proactive - changing the paradigm on health with Health Intelligence

11:10 - 11:30 Coffee Break

11:30 - 13:00 Parallel Sessions I

I A: STATISTICAL THEORY

Chair: Itai Dattner, Haifa U

Valentin Vancak, Karolinska Institute

Sensitivity analysis of G-estimators to invalid instrumental variables

Ilan Livne & David Azriel, Ind. Eng. Technion

A zero-estimator approach for estimating the signal level in a high-dimensional regression setting

Havi Murad, Gertner Institute

Missing time-dependent covariate values in the Cox model – Joint model approach versus combination of multiple imputation and joint model

Barak Sober, Stat. HUJI

Estimation of manifolds and manifold-based estimation from noisy samples

I B: DATA SCIENCE

Chair: Tal Sarig, Meta

Tamir Bendory, Elec. Eng. TAU

Signal estimation under algebraic groups

Tom Hope, Comp. Sci. HUJI

NLP in scientific and medical prediction models

Nir Rosenfeld, Comp. Sci. Technion

Strategic classification: Learning with data that "behaves"

Daniel Yekutieli, Stat. TAU

Empirical Bayes for big problems

13:00 - 14:00 Lunch & Posters

13:40 - 14:00 Side Event

אפרים גולדין ודלית בראון, G-Stat - שוק העבודה בישראל למדעני נתונים

14:00 - 14:30 ISA Business Meeting

14:30 - 16:00 Parallel Sessions II

II A: STATISTICAL MODELS & APPLICATION

Chair: Jonathan Rosenblatt, Fairmatic

Wiessam Abu Ahmad, *Public Health, HUJI*

Utilizing diagnostic analytics in meta-analysis: Lessons from combining results of individual studies addressing the association between PM2.5 and birth weight

Yuval Nov, *Public Health, Haifa U*

Modeling and mitigating taxonomic bias in citizen-science biodiversity data

Inbal Goldshtein, *KI - Computational Health Institute*

Causality under fire: Covid19 vaccines during pregnancy & delivery

Tal Galili & Tal Sarig, *Meta*

Balancing biased data samples with the 'balance' Python package

II B: STATISTICS & MACHINE LEARNING

Chair: Amichai Painsky, Ind. Eng. TAU

Amit Moscovich, *Stat. TAU*

Data preprocessing can break cross-validation

Aryeh Kontorovich, *Comp. Sci. BGU*

Estimating the mean in infinite dimensions

Wasim Huleihel, *Elec. Eng. TAU*

Statistical-computational gaps in modern statistics

Giora Simchoni, *Stat. TAU*

Integrating random effects in deep neural networks

16:00 - 16:20 Coffee Break

16:20 - 18:15 Afternoon Plenary Session

טקס חלוקת פרסי האיגוד, **אורלי מנור**
מושב מיוחד לכבוד **פרופ' דני פפרמן**, הסטטיסטיקן הלאומי היוצא:
סטטיסטיקה רשמית - הישגים ואתגרים
יו"רים: משה פולק, אונ' עברית **ודוד שטיינברג**, אונ' תל אביב

יואל פינקל, המשנה לסטטיסטיקן הלאומי, למ"ס
צביקה אקשטיין, דיקן ביה"ס לכלכלה, אונ' רייכמן - חדרי מחקר: מנתונים לקבלת החלטות
סמדר לב, הוועדה לתכנון וניתוח סקרים, למ"ס
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להרשמה לחץ כאן <https://the-israel-statistical-association.hopp.to/conf-reg-2023>

Scientific Committee:

Yair Goldberg, *Technion*; **Amichai Painsky**, *TAU*; **Moshe Pollak**, *HUJI*; **David Steinberg**, *TAU*

Posters Committee:

Yuval Nov, *Haifa U*; **Sam Ackerman**, *IBM*; **Michal Shauly-Aharonov**, *JCT*

Thesis Awards Committee:

David Zucker, *HUJI*; **Boaz Nadler**, *Weizmann*; **Felix Abramovich**, *TAU*

Election Committee:

Anat Sakov, *Datasights*; **Itai Dattner**, *Haifa U*; **Yakir Berchenko**, *BGU*