Gabriel Bénédict

gabriben.github.io

🔗 **Contact**

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Workshop co-organization

Generative Information Retrieval @SIGIR 23

Reviewing

AISTATS 21 & 22, MLRC 22

Awards

Best Paper Runner up @Recsys22, MVP 22 @IRLab

Sports

Ski-touring, bouldering, tennis, rugby

Languages

Native in French

Fluent in English, German, Portuguese & Swiss German

Good knowledge of Hebrew, Dutch

Extracurricular

Robust Statistics lecturer at Yeshiva University NY

Statistical Consultant for *Lionbase*

Co-president of *Club de Lecture* HSG

Co-founder at *Mia*

Research Interests

A mix of theoretical and applied AI research. The main themes are optimization for neural networks (surrogate metrics as losses), (normative) diversity metrics for news recommendation, intent-satisfaction modelling, video-to-music AI and now diffusion. [Google Scholar 🎓]

Education

Oct. 20 - Present	**University of Amsterdam** *PhD candidate in AI for personalization*	AMSTERDAM, NL
2018 – 2019	**KU Leuven &** **Columbia University** *Master in Statistics (1st & 2nd year respectively)* *Magna Cum Laude* **Thesis** Digitizing and Reconstructing Kaplan Meier Survival Data – The survThief package	LEUVEN, BE NEW YORK, US
2012 – 2016	**Universität St Gallen [HSG]** *Bachelor in Economics* **Thesis** Debt Relief Efficiency 📄	ST GALLEN, CH

Experience

Oct. 20 - Present	**RTL NL** *Artificial Intelligence Researcher* **(i)** We started MusicFlow: a webapp for AI music recommendations for videos (music similarity, music labelling, video-to-music tasks). Hired 6 FTEs. **(ii)** Implementation @Videoland (SVOD) and @RTL-Nieuws: still-picking, survey design and diversity in news recommendation metrics **(iii)** We started Data-Academy – data-driven decisions across RTL.	AMSTERDAM, NL
Oct. 19 - Oct.20	**Bertelsmann** *Data Scientist at Gruner & Jahr and Bedrock* **(i)** Personalisation roadmap. **(ii)** News articles quality survey and scoring in production. **(iii)** Causal Inference with Bayesian structural time series models to assess impact of recommendation system.	HAMBURG, GE / AMSTERDAM, NL / LYON, FR
Aug. – Sep. 19	**Cambridge University** *Deep Learning Researcher* Self-supervised learning with autoencoders for genomics on UK BioBank	CAMBRIDGE, UK
Jul. – Sep. 18	**Cytel** *Statistician* Research and R-package development for adaptive non-parametric survival clinical trials	BARCELONA, ES
14 – 18	**Internships and Short Term Research** *Master Thesis Statistical Assistant at KUL* Structural Equation Modelling to model fear of terrorism	LEUVEN, BE
	Category Management Intern at Danone	ZURICH, CH
	Research Assistant at Institute of Political Science	ST GALLEN, CH
	Controlling and Finance Intern at Aeris Capital	ZURICH, CH
	Internal Audit at Adecco Group	ZURICH, CH
	Risk Management at Spinnaker Capital	SAO PAULO, BR

Publications

2022	**Gabriel Bénédict**, Hendrick Vincent Koops, Daan Odijk, Maarten de Rijke. *sigmoidF1: A Smooth F1 Score Surrogate Loss for Multilabel Classification*. TMLR
2022	**Gabriel Bénédict**, Daan Odijk, Maarten de Rijke. *Intent-Satisfaction Modeling: From Music to Video Streaming*. TORS
co-first-author 2022	Sanne Vrijenhoek*, **Gabriel Bénédict***, Mateo Gutierrez Granada, Daan Odijk, Maarten de Rijke. *RADio–Rank-Aware Divergence Metrics to Measure Normative Diversity in News Recommendations*. Recsys
2021	Ali Vardasbi, **Gabriel Bénédict**, Shashank Gupta, Maria Heuss, Pooya Khandel, Ming Li, Fatemeh Sarvi. *The University of Amsterdam at the TREC 2021 Fair Ranking Track*. TREC