

Gabriel Bénédict

gabriben.github.io		Research Interests	
 Contact gbndict@gmail.com		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 	
Nationalities Swiss, French, Brazilian		Education	
Workshop co-organization Generative Information Retrieval @SIGIR 23	Oct. 20 - Present	University of Amsterdam <i>PhD candidate in AI for personalization</i>	AMSTERDAM, NL
	2018 – 2019	KU Leuven & Columbia University <i>Master in Statistics (1st & 2nd year respectively)</i> <i>Magna Cum Laude</i> Thesis Digitizing and Reconstructing Kaplan Meier Survival Data – The survThief package	LEUVEN, BE NEW YORK, US
	2012 – 2016	Universität St Gallen [HSG] <i>Bachelor in Economics</i> Thesis Debt Relief Efficiency 	ST GALLEN, CH
Reviewing NeurIPS 23, AABI 23, AISTATS 21 & 22, MLRC 22		Experience	
Awards Best Paper Runner up @Recsys22, MVP 22 @IRLab	Oct. 20 - Present	RTL NL <i>Artificial Intelligence Researcher</i> (i) Started and co-lead 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 <i>Data Scientist at Gruner & Jahr and Bedrock</i> (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
Talks GenIR @ZetaAlpha [recording] GenIR & RecFusion @Naver/AMLab/ ADS/FoMo	Aug. – Sep. 19	Cambridge University <i>Deep Learning Researcher</i> Self-supervised learning with autoencoders for genomics on UK BioBank	CAMBRIDGE, UK
	Jul. – Sep. 18	Cytel <i>Statistician</i> Research and R-package development for adaptive non-parametric survival clinical trials	BARCELONA, ES
Sports Ski-touring, bouldering, tennis, rugby	14 – 18	Internships and Short Term Research <i>Master Thesis Statistical Assistant at KUL</i> Structural Equation Modelling to model fear of terrorism <i>Category Management Intern at Danone</i> <i>Research Assistant at Institute of Political Science</i> <i>Controlling and Finance Intern at Aeris Capital</i> <i>Internal Audit at Adecco Group</i> <i>Risk Management at Spinnaker Capital</i>	LEUVEN, BE ZURICH, CH ST GALLEN, CH ZURICH, CH ZURICH, CH SAO PAULO, BR
Languages <i>Native</i> in French <i>Fluent</i> in English, German, Portuguese & Swiss German <i>Good knowledge</i> of Hebrew, Dutch		Publications	
Extracurricular Robust Statistics lecturer at Yeshiva University NY Statistical Consultant for Lionbase Co-president of Club de Lecture HSG Co-founder at Mia	2023	RecFusion: A Binomial Diffusion Process for 1D Data for Recommendation. Gabriel Bénédict , Olivier Jeunen, Samuele Papa, Samarth Bhargav, Daan Odijk, Maarten de Rijke. @NeurIPS (under review) 	
	2022	sigmoidF1: A Smooth F1 Score Surrogate Loss for Multilabel Classification. Gabriel Bénédict , Hendrick Vincent Koops, Daan Odijk, Maarten de Rijke. @TMLR 	
	2022	Intent-Satisfaction Modeling: From Music to Video Streaming. Gabriel Bénédict , Daan Odijk, Maarten de Rijke. @TORS 	
	co-first-author 2022	RADio–Rank-Aware Divergence Metrics to Measure Normative Diversity in News Recommendations Sanne Vrijenhoek*, Gabriel Bénédict *, Mateo Gutierrez Granada, Daan Odijk, Maarten de Rijke. @Recsys 	
	2021	The University of Amsterdam at the TREC 2021 Fair Ranking Track. Ali Vardasbi, Gabriel Bénédict , Shashank Gupta, Maria Heuss, Pooya Khandel, Ming Li, Fatemeh Sarvi. @TREC 	