Vienna
Deep Learning
Meetup

hosted by University of Vienna

Topics:
Learning to See & Multilingual Chatbot Winner

Send us announcements & job openings!

contact@vdlm.at

Vienna
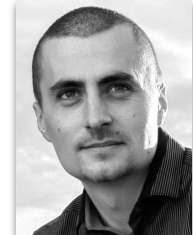**Deep Learning**
Meetup

Welcome by the Meetup organizers:

Thomas Lidy
iGroove

René Donner
mva.ai

Jan Schlüter
JKU Linz

Alex Schindler
AIT & TU Wien

Pavol Harar
ISTA & ACAI.AI

contact@vdlm.at

Vienna
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Meetup

18:30   Welcome by organizers & host

18:45   Learning to See in the Age of AI
Alexander Bronstein, Professor at the Institute of Science and Technology Austria (ISTA)

19:30   Announcements
         Networking Break

20:00 Winner of the WSDM Cup Multilingual Chatbot Arena
Kaggle Competition: Summary & Details
Michael Pieler, independent researcher

20:30   Networking & Discussions

Announcements

Job Openings

Send us announcements & job openings!
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Data Scientist – Uncover the Insights Driving the Future of Real Estate

Propcorn AI is seeking a talented and passionate Data Scientist to join our growing startup team. We're building the next generation of AI-driven real estate solutions, and we need your expertise to extract valuable insights from our data and drive product innovation.

Our Tech Stack (Current):

Python (essential) - Pandas, NumPy, Scikit-learn - Spark (desirable) - GCP(desirable) - SQL

About the Role:

As a Data Scientist at Propcorn AI, you'll play a crucial role in developing and applying machine learning models to solve complex problems within the real estate domain. You'll work with large datasets, explore patterns, build predictive models, and communicate your findings to both technical and non-technical audiences. This role requires a strong analytical mindset, a deep understanding of statistical methods and machine learning techniques, and the ability to thrive in a fast-paced, collaborative environment.

PROP CORN

What We're Looking For:

PROP CORN

- A highly motivated Data Scientist with a passion for uncovering insights from data.
- A strong understanding of statistical methods and machine learning techniques.
- Experience with the programming language Python (essential)
- Proficiency with data manipulation and analysis libraries (e.g., Pandas, NumPy, Scikit-learn).
- Experience with building and deploying machine learning models.
- Experience with large datasets and distributed computing frameworks (e.g., Spark) is a plus.
- Familiarity with cloud computing platforms (e.g., AWS, GCP, Azure) is a plus, GCP is a plus plus.
- Excellent communication and data visualization skills. Ability to explain complex technical concepts to non-technical audiences.
- A proactive and collaborative approach to problem-solving.
- A "hacker mentality" – a passion for exploring new technologies and finding creative solutions.
- A desire to learn and grow in a fast-paced startup environment.
- Experience in the real estate domain is a plus, but not required.

Data Engineer - Build the Data Pipelines Fueling AI-Powered Real Estate

Propcorn AI is seeking a skilled and passionate Data Engineer to join our growing startup team. We're building the next generation of AI-driven real estate solutions, and we need your expertise to build and maintain the robust data infrastructure that powers our insights and models. This includes building and maintaining systems for collecting data from various sources, including web crawling.

Our Tech Stack (Current):

Python (essential), Java, or Scala - PostgreSQL(required), MongoDB (or other relevant databases) - Apache Spark(required) - AWS, GCP, or Azure (and related data services) - Airflow (or similar tools) - Web scraping/crawling libraries and frameworks (e.g., Scrapy, Beautiful Soup) - Docker, Kubernetes (desirable)

About the Role:

As a Data Engineer at Propcorn AI, you'll be a key player in designing, building, and maintaining the data pipelines that collect, process, and store the vast amounts of data we use. You'll work closely with data scientists and engineers to ensure data quality, reliability, and accessibility. This role requires a strong understanding of data engineering principles, experience with various data processing technologies, and the ability to thrive in a fast-paced, collaborative environment.

PROP CORN

What We're Looking For:

- A highly motivated Data Engineer with a passion for building robust and scalable data infrastructure.
- Strong experience with at least one of the following programming languages: Python (essential), Java, or Scala.
- Experience with data warehousing solutions and ETL processes.
- Proficiency with SQL and NoSQL databases (e.g., PostgreSQL, MongoDB).
- Experience with data processing frameworks like Apache Spark.
- Familiarity with cloud computing platforms (e.g., AWS, GCP, Azure) and related data engineering services.
- Experience with data pipeline orchestration tools (e.g., Airflow).
- Experience with web scraping and crawling techniques and tools.
- Experience with containerization and orchestration technologies like Docker and Kubernetes is a plus.
- A strong understanding of data quality and data governance principles.
- Excellent communication and collaboration skills.
- A proactive and collaborative approach to problem-solving.
- A "hacker mentality" – a passion for exploring new technologies and finding creative solutions.
- A desire to learn and grow in a fast-paced startup environment.

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What We Offer:

- **Growth Potential:** We're committed to your professional development. You'll have ample opportunities to learn new technologies, expand your skillset, and advance your career.

- **Impactful Work:** Contribute directly to a product that's revolutionizing the real estate industry. Your work will have a tangible impact on our users.

- **Collaborative Environment:** Work alongside a passionate and supportive team in a flat organizational structure.

- **"Hacker Mentality" Encouraged:** We value creativity, problem-solving, and a proactive approach to development. We encourage you to experiment, explore new ideas, and contribute to our innovative culture.

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Other Roles:

Propcorn is also looking for:

- Full Stack Engineer
- Frontend Engineer
- Backend Engineer

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Interested?

If you're ready to embrace a challenging and rewarding opportunity, and you're excited about the prospect of working on a cutting-edge AI-powered product, we encourage you to apply! Please send your CV and a brief introduction to **hiring@propcorn.ai** or **scan the QR-Code** & fill out the webform on "contact" our homepage...

We   yard to hearing from you!

PROP CORN

SCAN ME

AI Factory Austria
From Idea to Innovation

AI : AT

Mission

Empowering Businesses	Offering seamless access to cutting-edge infrastructure, data, and expertise to enable AI adoption, particularly for SMEs, startups, and industry partners.
Building Talent	Developing a robust pipeline of AI professionals by fostering collaboration between academia and industry and providing real-world training opportunities.
Fostering Trust	Prioritizing ethical AI development and societal alignment through compliance with the EU AI Act and transparent practices.

AI Factory Austria
From Idea to Innovation

AI : AT

Goals

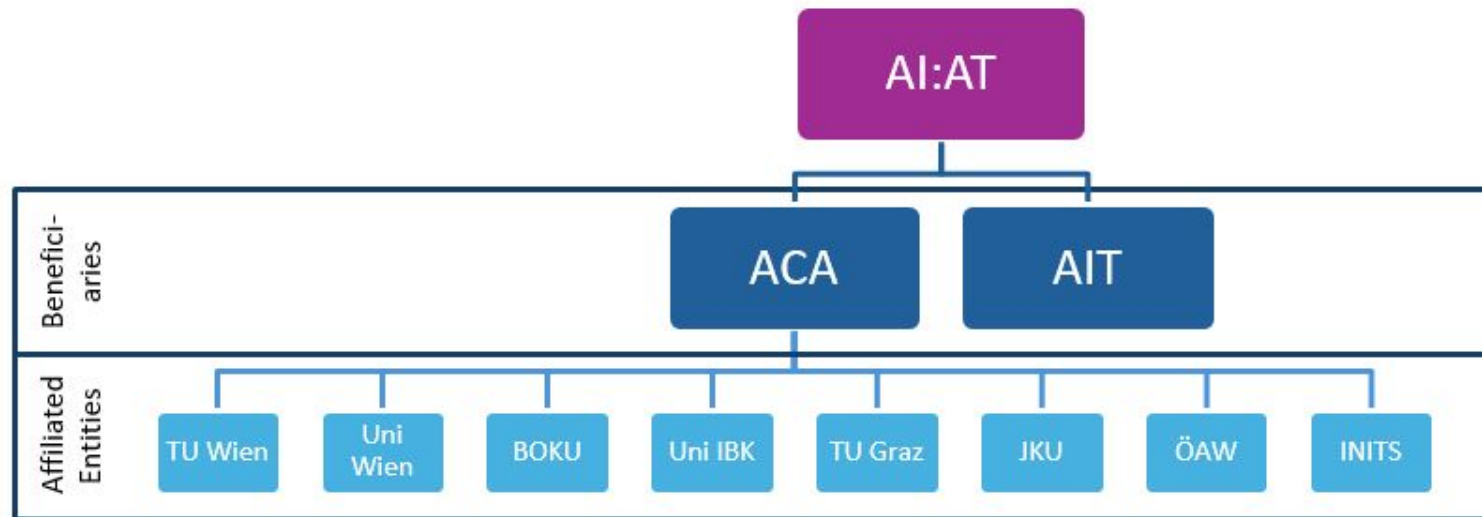|	
Enable Accessibility	Fast and low-threshold usage of AI infrastructure
Bridging the AI divide	Equitable access to ressources & know-how
Support Innovation	Enable innovative start-ups, projects and young researchs in creating AI solutions
A Launchpad for AI Talent	Foster education and support innovation
Ethical and Trustworthy AI	Ethics & compliance support along the AI life-cycle

AI Factory Austria
Organizational Structure

AI Factory Austria
Core Offerings

AI:AT		
HPC Infrastructure	**Software Services**	**AI Hub**
Computing Data Storage	AI Lifecycle Mgmt Data Mgmt Repositories	Operational Support Innovation Center Learning Center

AI Factory Austria - Key Role Openings

Position	Primary Responsibilities	Key Qualifications
AI Services Coordinator	Strategize and implement service processes, manage onboarding & user support, oversee SLAs & quality, design reference workflows (e.g., LLMs, MLOps)	Degree in Info Mgmt/Process Mgmt; 3+ yrs in service operations; strong communication & strategic skills
AI Service Operations	Deploy and operate AI/MLOps platforms, ensure automation, manage APIs/XAI tools, ensure compliance (AI Act), troubleshoot & monitor systems	Technical degree; 2+ yrs in AI ops; knowledge of MLOps, XAI, compliance, DevOps
AI Software Expert	Build scalable AI software infra, develop APIs/portals, maintain MLOps stacks, enable reuse through ref workflows (LLM tuning, RAG), ensure FAIR & secure practices	Master's in CS/Software Eng.; 3+ yrs dev experience; strong Python, MLOps, LLM knowledge
AI Expert	Define strategic AI service portfolios, guide MLOps & Trustworthy AI, lead partner enablement, ensure results transfer (IP, startups), represent AI:AT externally	PhD/Master's in AI/DS; 8+ yrs in ML/AI ops; deep LLM, RAG, AI Ethics expertise; EU AI Act savvy

Contact

factory@advanced-computing.at

Prize

Tabular ARGN - Autoregressive Gen. Networks

arXiv > cs > arXiv:2501.12012

Search...

Help

Computer Science > Machine Learning

[Submitted on 21 Jan 2025 (v1), last revised 6 Feb 2025 (this version, v2)]

TabularARGN: A Flexible and Efficient Auto-Regressive Framework for Generating High-Fidelity Synthetic Data

Paul Tiwald, Ivona Krchova, Andrey Sidorenko, Mariana Vargas Vieyra, Mario Scriminaci, Michael Platzer

Synthetic data generation for tabular datasets must balance fidelity, efficiency, and versatility to meet the demands of real-world applications. We introduce the Tabular Auto-Regressive Generative Network (TabularARGN), a flexible framework designed to handle mixed-type, multivariate, and sequential datasets. By training on all possible conditional probabilities, TabularARGN supports advanced features such as fairness-aware generation, imputation, and conditional generation on any subset of columns. The framework achieves state-of-the-art synthetic data quality while significantly reducing training and inference times, making it ideal for large-scale datasets with diverse structures. Evaluated across established benchmarks, including realistic datasets with complex relationships, TabularARGN demonstrates its capability to synthesize high-quality data efficiently. By unifying flexibility and performance, this framework paves the way for practical synthetic data generation across industries.

Tabular ARGN is implemented in the Synthetic Data SDK
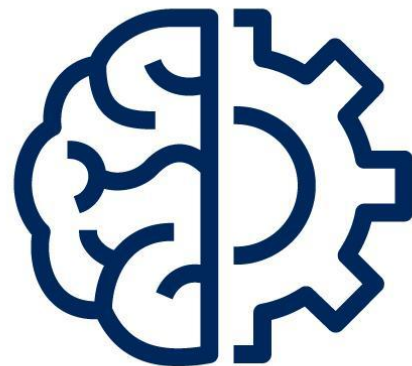
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THE MOSTLY AI PRIZE

CASH PRIZE OF

100k USD

https://www.mostlyaiprize.com/

Events

Vienna Deep Learning Meetup

Next Meetup:
- 16 June 2025:
  Deep dive into CLIP embeddings
  LLMs for Abusive Language Detection

Send us SPEAKER suggestions, job & event announcements:

contact@vdlm.at