

Challenges and Opportunities of Table Representation Learning

[Dagstuhl Seminar 25182](#)



Note: starting Tuesday, times and topics are subject to change during the workshop as discussions bring up new lines of discussion.

Time	Topic
Sunday	Arrival
until 3pm	Self-service check-in
3:00-7:00	Check-in
after 6pm	Buffet dinner
after 7pm	Self-service check-in

Time	Topic	Speakers
Monday	Opinionated Overviews & Impulse Talks	
7:30-8:45	Breakfast	
9:00	Welcome	All Organizers
9:15	Self-introductions: Name, affiliation, area, and a non-technical thing about you (participant list)	All
9:45	Opinionated Overview: Table Representation Learning from an ML View	Frank Hutter
10:30	Break	
11:00	Discussion: TRL / ML View	All
11:30	Opinionated Overview: Table Representation Learning from an NLP View	Julian Eisenschloss
12:15	Lunch (assigned tables – check placecards)	
2:00	Discussion: TRL / NLP View	All
2:30	Opinionated Overview: Table Representation Learning from a Data Management & IR View	Madelon Hulsebos
3:00	Break (Kaffee und Kuchen* available)	
3:30	Discussion: TRL / DM & IR View	All
3:45	Opinionated Overview: Table Representation Learning from a Database View	Carsten Binnig
4:15	Discussion: TRL / DB View	All
4:30	Break	
5:00	Impulse Talk: Architectures & Related Aspects (Graph Representations, GNNs, Transformers, ...)	Gael Varoquaux / Paolo Papotti
5:30	Discussion: TRL Architectures	
5:45	Personal Time	
6:00	Dinner (assigned tables)	
8:00	Horror Stories & Failed Attempts in TRL and Cheese Plates Everybody should add a 2-3 min talk here: https://docs.google.com/spreadsheets/d/16W-N6LxpTrrqvHFc uQ9dHqpaoPpMEHfnGjdnUBZxbWM/edit?usp=sharing	All

* Traditional German Coffee and Cake, served in the dining area

Time	Topic	Speakers
Tuesday	Impulse Talks (cnt)	
7:30-8:45	Breakfast	
9:00	Administrative Issues: Field Trip and Dinner Out	All Organizers
9:05	Impulse Talk: Architectures & Related Aspects (Data Generation & Relational Reasoning)	Michael Cochez / Vadim Borisov
9:35	Discussion: Architectures & Related Aspects	All
9:45	Impulse Talk: Text-to-SQL & Tabular Analytics (Text-to-SQL, RAG)	Fatma Ozcan / Shuaichen Chen
10:15	Discussion: Text-to-SQL, RAG	All
10:30	Break	
11:00	Impulse Talk: Text-to-SQL & Tabular Analytics (Beyond Tables)	Gerardo Vitagliano / TBC
11:30	Discussion: Beyond Tables	All
11:40	Impulse Talk: Data Science & Databases (TRL for Data Engineering & Science)	Sebastian Schelter / Andreas Mueller
11:10	Discussion: Data Science & Databases	All
12:15	Lunch (assigned tables – check placecards)	
1:45	Group picture (meet in front of seminar building)	All
2:15	Impulse Talk: Databases (TRL for Databases/OLAP)	Immanuel Trummer / Andreas Kipf
2:45	Discussion: TRL for Databases / OLAP	All
3:00	Break (Kaffee und Kuchen available)	
3:30	Discussion: Define discussion topics & groups (4-5 groups)	All
4:00	Discussion Groups Meet & Plan	Groups
5:30	Personal Time	
6:00	Dinner (assigned tables – check placecards)	
8:00	Horror Stories & Failed Attempts in TRL and Cheese Plates	All

Time	Topic	Speakers
Wednesday	Group Discussions and Outing	
7:30-8:45	Breakfast	
9:00	Quick Sync-up	All Organizers
9:15	Discussion Groups Meet	Groups
10:45	Break	
11:15	Groups report back / No Slides	Group Representatives
12:15	Lunch (assigned tables – check placecards)	
2:00	Field Trip: e.g. Völklinger Hütte	
6:00	Dinner (assigned tables – check placecards)	
8:00	Gong Show (Talk about what you like) and Cheese Plates Everybody should add a 2-3 min talk here: https://docs.google.com/spreadsheets/d/16W-N6LxpTrrqvHFcuQ9dHqpaoPpMEHfnGjdnUBZxbWM/edit?usp=sharing	All

Time	Topic	Speakers
Thursday	Consolidation	
7:30-8:45	Breakfast	
9:00	Quick Sync-up	All Organizers
9:15	Discussion Groups: Meet & Discuss	Groups
10:00	Break	
10:30	Discussion Groups: Meet & Discuss	Groups
11:30	A slot for an additional impulse talk	TBD
12:15	Lunch (assigned tables – check placecards)	
1:30	Discussion Groups: Break LLMs	All
3:00	Break (Kaffee und Kuchen available)	
3:30	Result Writing in Groups	Groups
4:30	Personal Journeys or Group Discussion (cnt)	TBD
5:00	Personal Journeys or Group Discussion (cnt)	TBD
5:30	Personal Time	
6:00	External Dinner?	

Time	Topic	Speakers
Friday	Wrap-up	
7:30-8:45	Breakfast	
9:00	Group Reports	Group Speakers
11:15	Conclusion	All
12:15	Lunch (optionally)	
12:45	Free shared cabs to Türkismühle train station	
1:45	Free shared cabs to Türkismühle train station	