

Mathematical machine learning course projects

Group	Project
1. Georg Fiedler, Junmo Kang, Ron Meta, Maxim Krabbe	5C - Solving PDEs: Comparison of classical and modern approaches (Supervisor: Tizian Wenzel)
2. Matthew Ayodele, Abulajiang Dilnayi, Zaheer Abbas, Ibrar Ahmad	7 - Building a Large Language Model (Supervisor: Kamal Sharma)
3. Can Turan, Henry Langner, Philipp, Esq.	1 - Operator learning using augmented integral transforms (Supervisor: Yahya Saleh)
4. Eric Berger, Roman Dragnyev, Kevin Walura	4 - Top-tuning with two-layered kernel machines (Supervisor: Tizian Wenzel)
5. Abhishek, Tanya, Anna, Annika	8 - Physics-informed neural networks (PINNs) for the shallow-water equations (Supervisor: Kamal Sharma)
6. Vincent Menden, Isack Simon, Salomon, Mattes	3 - Empirical risk minimization principle for active learning (Supervisor: Yahya Saleh)
7. Juan Ainto, Amila Pintul, Phebe Iseoluwa Ojo	2 - Enhancing high-resolution spectroscopic data for molecules using graph neural networks (Supervisor: Andrey Yachmenev)
8. Achala, Shruti, Javier, Meriem	4 - Top-tuning with two-layered kernel machines (Supervisor: Tizian Wenzel)
9. Ayobami Adeyemo, Ernest Nebeolisa, Chisomaga	2 - Enhancing high-resolution spectroscopic data for molecules using graph neural networks (Supervisor: Andrey Yachmenev)
10. Hassan Ali , Sadaf Maqbool, Waseem Akram	3 - Empirical risk minimization principle for active learning (Supervisor: Yahya Saleh)