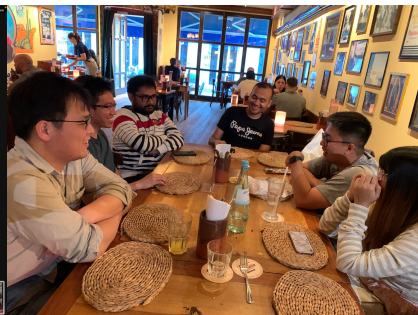
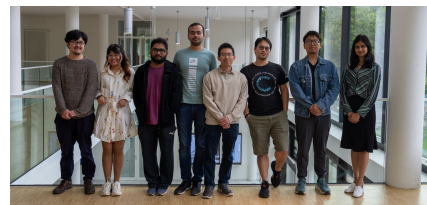


RATIONAL INTELLIGENCE

An Annual Report (2023–2024)

RATIONAL INTELLIGENCE



Our Mission

- Develop intelligent systems that go beyond **pattern recognition** by enabling them to:
 - Distinguish genuine causal relationships from spurious ones (***causality***),
 - Recognize the limits of their own knowledge (***uncertainty***),
 - Earn and maintain human trust (***human-centric design***),
 - Learn to collaborate effectively with one another (***collective intelligence***).
- Achieving this vision require a seamless integration of **data**, **people**, and **AI**.
- Our approach is interdisciplinary, combining insights from **statistics**, **computer science**, **machine learning**, and **economics**.

Our Achievements

- ~16 publications (7 conferences, 4 journals, 5 pre-prints)
 - 1 Oral at NeurIPS, 1 Oral at AACL, 1 Spotlight at NeurIPS, 1 Spotlight at ICML, etc
- **Anurag** and **Kiet** participated in the MLSS 2024 in Okinawa, Japan
- **Alan** received a job offer from *NTU, Singapore*
- **Muneeb** received a PhD offer from Ricardo Silvar at *UCL, United Kingdom*
- **Jonas** defended his thesis and started his position at *Amazon Tübingen*
- **Jun** defended his thesis and started his postdoc at *ETH Zürich*
- **Krik** received a positive midterm evaluation and elected as the ELLIS Scholar
- Our lab hosted 9 interns, 2 Hiwis, and several international visitors



2023 – On the Ground

- Inception of the **Rational Intelligence** Lab
- Recruited new crew members:
 - *Jonas Kübler (MPI-IS)*
 - *Junhyung Park (MPI-IS)*
 - Siu Lun Chau (Oxford)
 - Anurag Singh (TUM)
 - Kiet Vo (UdS)
 - Muneeb Aadil (UdS)
- Published our manifesto (mission statement)
- **Krik** co-founded *CiferAI* (based in New York)



2024 – Lift Off

- Lifted off without major technical failures:
 - **Anurag** and **Kiet** have passed their QE (with A* papers)
 - **Alan**'s appointment as AP at NTU, Singapore
 - **Krik**'s positive midterm evaluation and ELLIS Scholar
- Experienced some technical challenges:
 - *But still under our control*
- New crew member: **Gowtham** (Oct 2024)
 - Initiate collaborations with Rebekka's group

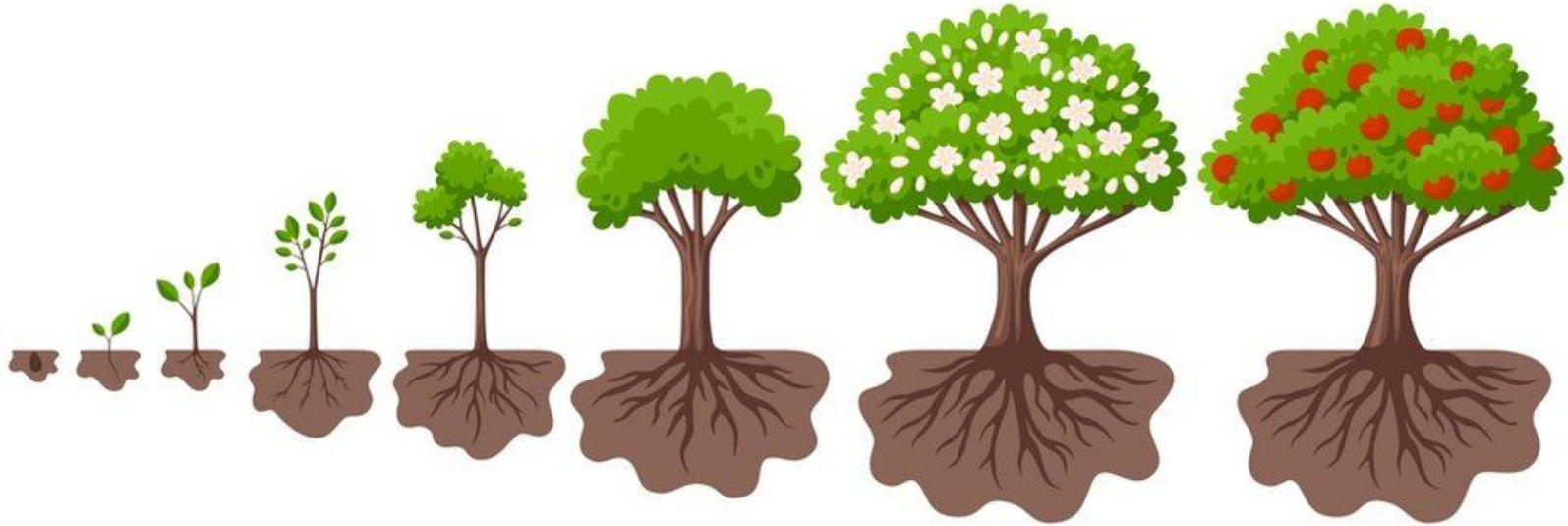


2025 – Breaking Through

- Our plan: *Continue doing great work*
 - **Krik** focuses on acquiring external grants and tenure evaluation
 - **Kiet** and **Anurag** continue with their great research
 - **Gowtham** kicks off his research and seminar series
 - **Alan** moves to Singapore, expanding our research collaboration
- Enter a growth phase (new crew members)
- Establish pipelines for undergrad and master students
- Our first group retreat in February 2025



2025 – Breaking Through



“Aim for the research ideas (like a seed) that will grow to more than just ideas with long-lasting impact”

Reflection

- Core value: **Curiosity**, *Excellence*, *Sustainability*.
- What we are good at: **Team work**
- What we can improve at:
 - Gender equality
 - Attracting more undergrad and master students
 - Acquiring external grants
 - Initiating cross-institutional collaborations
 - Teaching courses
 - Advertising our research outputs

