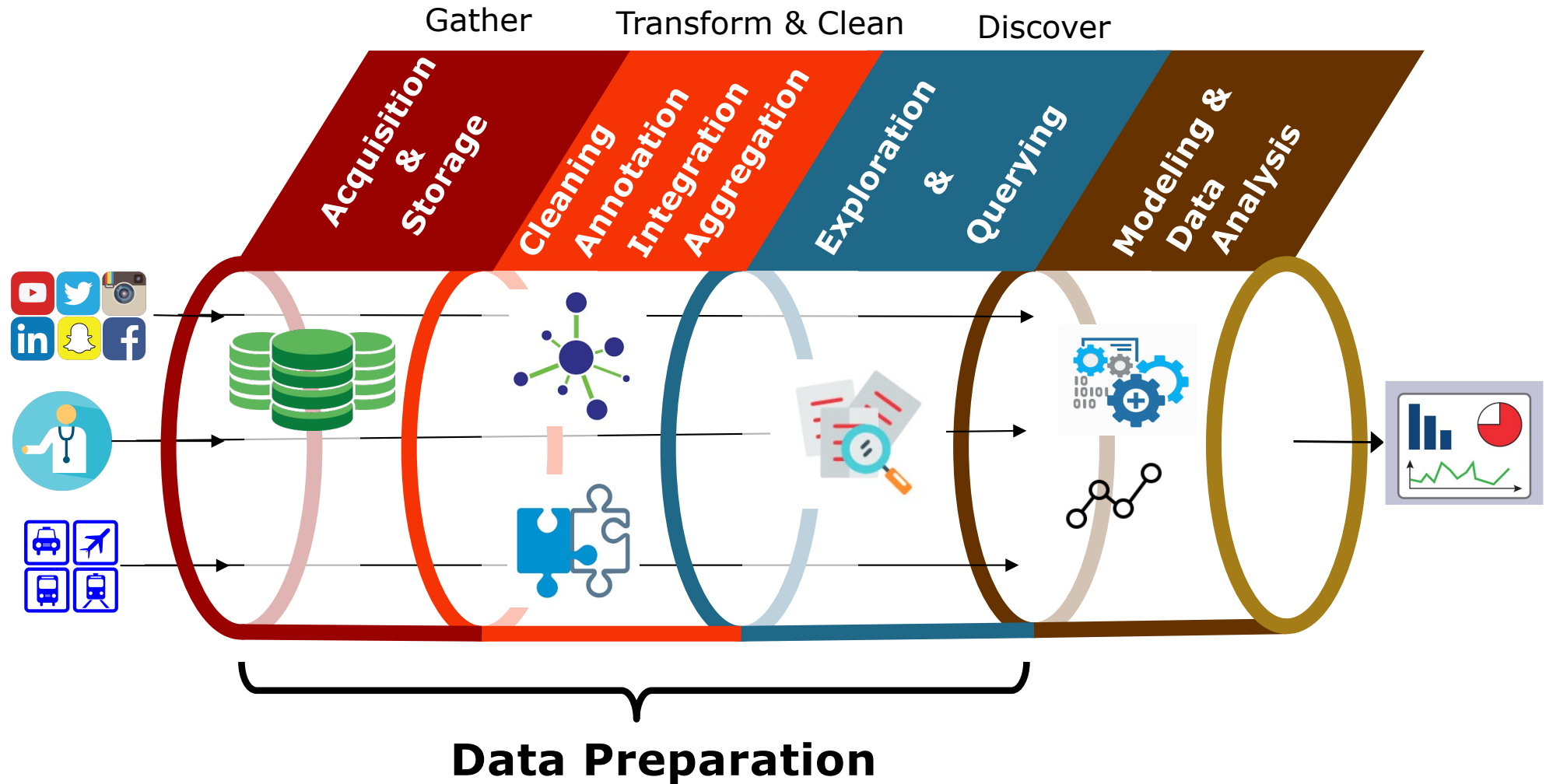
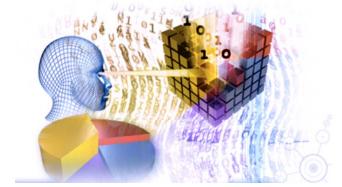


The Data Processing Pipeline





Data Preparation: Automate tasks that are traditionally tedious

- **Data Quality: Trust your data**
 - Work with data inherently noisy, containing duplication, and coming from untrusted sources
 - Fairness & Explainability
- **Knowledge Base construction & Graph Data**
 - Techniques and tools for the automatic creation and management of **knowledge graphs**.
 - Coping with evolution
 - Network Science
- **Data Catalogs: Discover and Use the right data**
 - Identify the data that is best suited for a task at hand
 - Searching through examples (not queries)
 - Data Matching & Integration: Support Federated Learning
 - Enabling combinations of streaming and static data for efficient data analysis
- **Data Maintenance**
 - Focus on the data that matters
 - Ensure continuity in the long run
- **Data Preparation through ML (especially Deep Learning)**
 - Entity Resolution, Data Exploration, Data Imputation, Data Citation

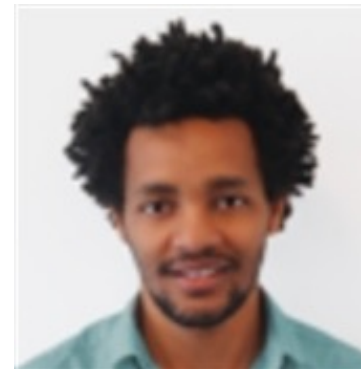


<https://www.uu.nl/en/research/algorithms/data-intensive-systems>



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Head of the group

Data Discovery
Data Integration
Data Quality
Knowledge Bases



Mel Chekol

Knowledge Graphs
Reasoning
Knowledge Extraction



Hakim Qahtan

Data Quality
Data Streams
Explainable ML
Fairness



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Graphs and Text
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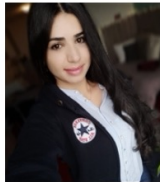
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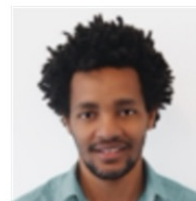
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