



# A Graph-based approach for Data Exploration in Recommendation Systems



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# Recommendations Currently



## Characteristics

- ❑ Numerous, different approaches on algorithms, philosophy
- ❑ Application-dependent

## Requirements

- ❑ Flexible schema
- ❑ Dynamic recommendation front
- ❑ Handling large volumes of interconnected data



# A Graph-based Approach

- ❑ Recommendation graph to model all domain
  - ❑ Abstracts from application specifics
  - ❑ Maps everything as node/edges
- ❑ A set of path traversal operators
  - ❑ View recommendations as paths between entities
  - ❑ Formulate recommendations in a concise way
  - ❑ Built on top of a graph engine for efficient implementation

