

# Meeting notes

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## Ideas

### Data exploration

- Data: relational model (set of objects)
- User interest: conjunctive query over a set

### Go further ?

- Data: Union(R, S, T) of objects
- User interest may vary from
  - Conjunctive query (CQ)
  - First-order query (FO)
  - FO with aggregation (like counting)
  - Recursive query

### Graph Data Exploration

- Data: nodes, edges, paths, graph pattern
- User interest:

for instance, x is of type Book, it has a title which is y and y contains “xml” (full text match)

### Two ways

- analytics by using **summary** (general ways)
- analytics by using active learning way (user give feedback, a more personalized way)
- what else can we group by? (zheng propose `group by moment` for instance), what kind of aggregation can we do using analytical query? (recall the pad questions)

## Paper reading

- RDF Analytics: Lenses over Semantic Graphs
- AIDE: An Active Learning-based Approach for Interactive Data Exploration
- Active Learning Literature Survey

- SEEDB: Efficient Data-Driven Visualization Recommendations to Support Visual Analytics
- Interactive Data Exploration Using Semantic Windows

## Next

- reading the paper, get the basic ideas
- doing summary when reading the paper, for instance, what's the problem, what's the main challenge, solutions that the author proposed...
- propose my own ideas
- prepare for next meeting at 4th April