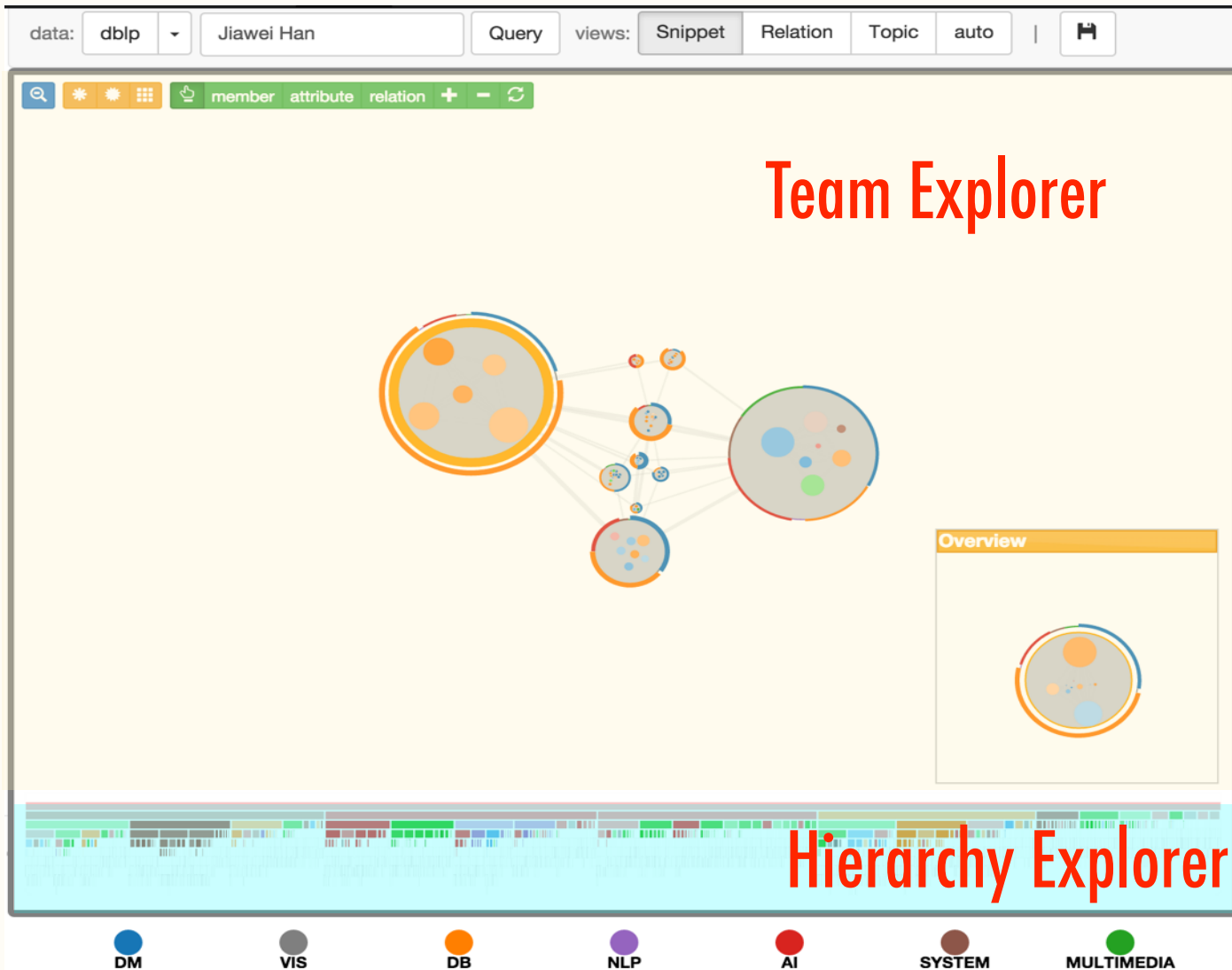


G-MINER TUTORIAL



SYSTEM OVERVIEW






- **Team Explorer:** interactively explore the teams
- **Hierarchy Explorer:** the entire social network is clustered using hierarchical clustering and visualized as icicle tree

Expertise

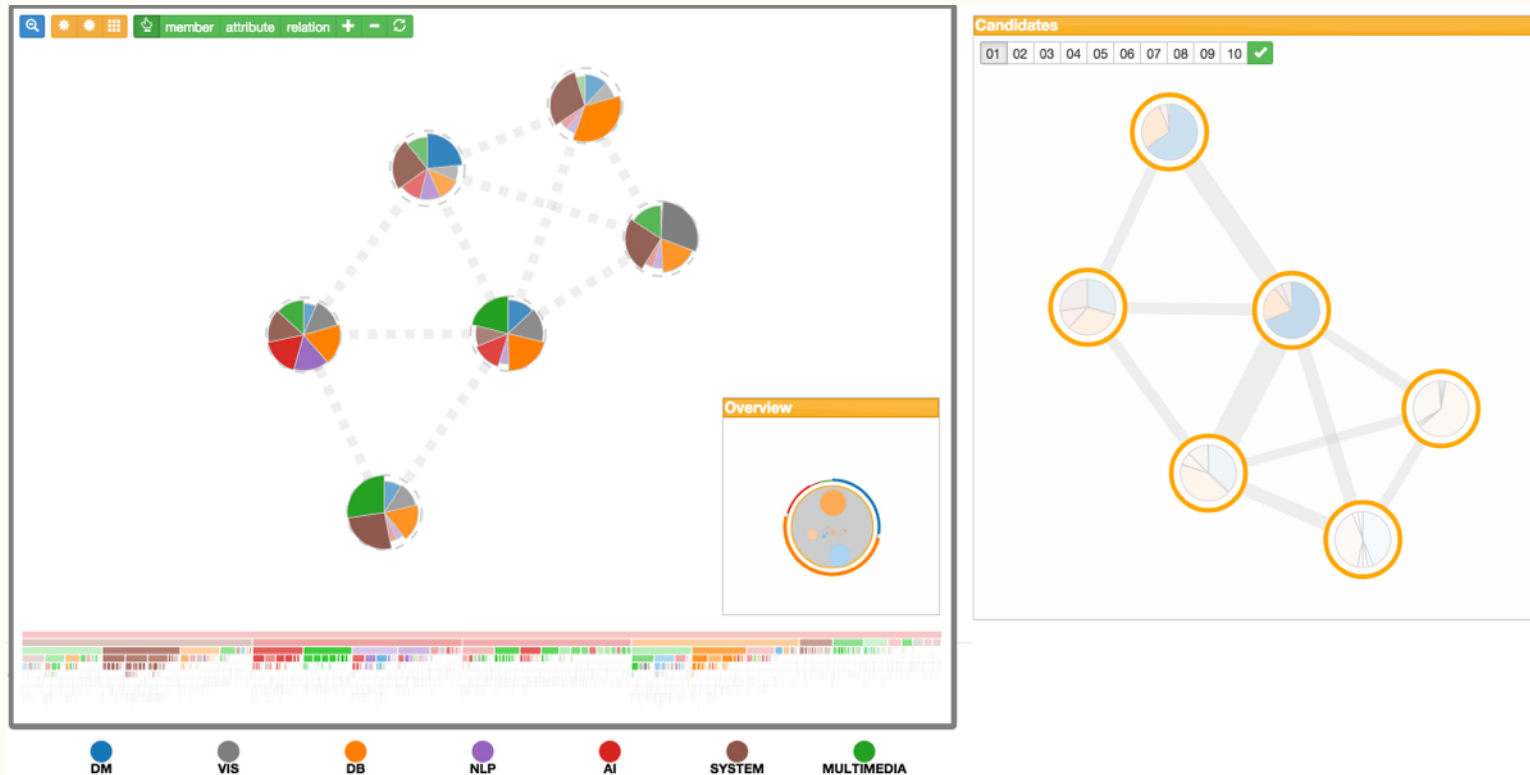
TEAM INITIALIZATION

- *Template Matching*
- *Hierarchical Exploring*
- *Ego Network*

TEMPLATE MATCHING

1. Select "dblp" from data, click one of , say the first one to create a star shaped team
2. refinement
 - **Attribute**: click "attribute", rectangle select a node, click on the sectors of the node
 - **Edge**: click "relation", click on one node and drag to the other to add an edge between the two nodes, drag the sliding bar to change the edge weight
3. click on , and rectangle select all the nodes, click  to get a list of candidate teams in the candidate view

TEMPLATE MATCHING




click to select a candidate team

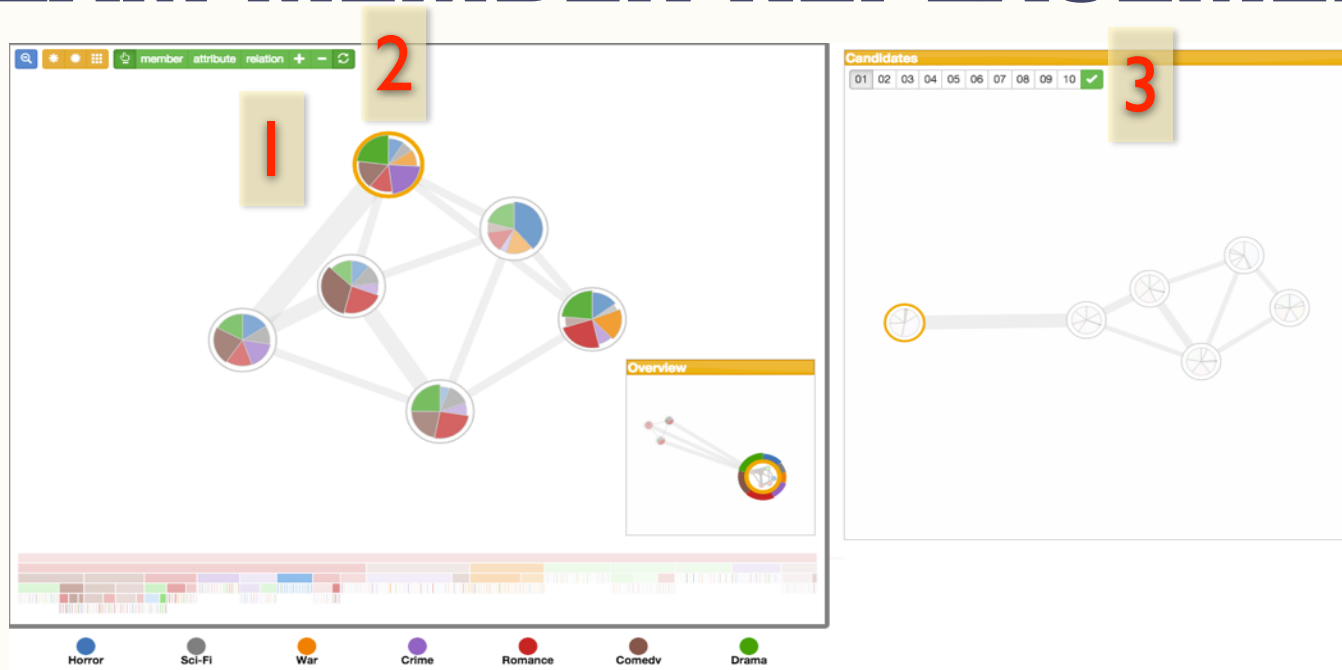
HIERARCHICAL EXPLORING


- Double click the bubble (each bubble is a community or sub-community) to zoom into the next level, until you find a desired team
- **Or**, click on a node in the Hierarchy Explorer to jump to a hierarchy level

EGO NETWORK

- Select “dblp” from data, Query a person’s name in the search box, say “Jiawei Han”, his ego-network will be visualized as a hierarchical structure
- Continue zoom into a sub-community
- Click “member” to select members, click  and double click the bubble to form an initial team

TEAM MEMBER REPLACEMENT



1. click  and rectangle select a node to be replaced
2. click  and a list of candidates will show up
3. click  to select a desired team

TEAM REFINEMENT

—Refine a Node's Attribute

1. click **attribute**, rectangle select a node, click on the sectors of the node to change the corresponding attribute strength
2. replace this node using "Team Member Replacement" to get a new team with the desired change

TEAM REFINEMENT

—Refine Team Relation

1. click “**relation**”, click on one node and drag to the other node to add an edge between the two nodes, drag the sliding bar to change the edge weight
2. replace one of the two nodes using “Team Member Replacement” to get a new team with the desired change