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Visualizing Social Groups Linton C. Freeman, American Statistical Association, 1999 Proceedings of the Section on Statistical Graphics, 2000, 47-54. rks Social Network Fragments Chap 7, danah boyd MS Thesis "Faceted Id/entity: Managing representation in a digital Vizster: Visualizing Online Social

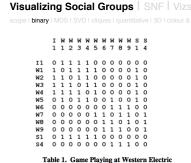
scope | binary | MDS | SVD | cliques | quantitative | 3D | colour & motion using images to visualize social patterning

Visualizing Social Groups | SNF | Vizster

scope | binary | MDS | SVD | cliques | quantitative | 3D | colour & motion

Visualizing Social Groups | SNF | Vizster

on or off relationship



Visualizing Social Groups | SNF | Vizster

scope | binary | MDS | SVD | cliques | quantitative | 3D | colour & motion

Visualizing Social Groups | SNF | Vizster scope | binary | MDS | SVD | cliques | quantitative | 3D | colour & motion ad-hoc node placement

Visualizing Social Groups | SNF | Vizster

all variance in first few variables

scope | binary | MDS | SVD | cliques | quantitative | 3D | colour & motion

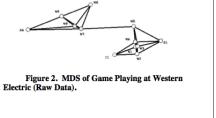
Networks. Jeffrey Heer and danah boyd. InfoVis 2005.

multi-dimensional scaling

Visualizing Social Groups | SNF | Vizster

scope | binary | MDS | SVD | cliques | quantitative | 3D | colour & motion

Figure 3. SVD of Game Playing at Western



Visualizing Social Groups | SNF | Vizster

Visualizing Social Groups | SNF | Vizster

Visualizing Social Groups | SNF | Vizster

maximal complete graph

scope I binary I MDS I SVD I cliques I quantitative I 3D I colour & motion

scope | binary | MDS | SVD | cliques | quantitative | 3D | colour & motion

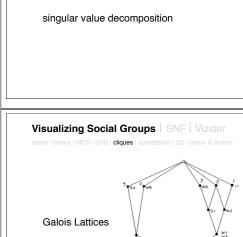


Figure 4. Galois Lattice of the Western

Visualizing Social Groups | SNF | Vizster scope I binary I MDS I SVD I cliques I quantitative I 3D I colour & motion

use quantity to identify groups

Visualizing Social Groups | SNF | Vizster scope I binary I MDS I SVD I cliques I quantitative I 3D I colour & motion dolphins swimming together

Electric.

Visualizing Social Groups | SNF | Vizster scope I binary I MDS I SVD I cliques I quantitative I 3D I colour & motion can still apply MDS and SVD

Visualizing Social Groups SNF Vizster scope binary MDS SVD cliques quantitative 3D colour & motion	Visualizing Social Groups SNF Vizster scope binary MDS SVD cliques quantitative 3D colour & motion	Visualizing Social Groups SNF Vizster scope binary MDS SVD cliques quantitative 3D, colour & motion	Visualizing Social Groups SNF Vizster scope binary MDS SVD cliques quantitative 3D, colour & motion			
groups	genetic algorithm	add complexity for display, navigation improve link representation	Pros: good walkthrough simple datasets Cons: poor transitions between topics			
Visualizing Social Groups SNF Vizster scope binary MDS SVD cliques quantitative 3D, colour & motion	VSG Social Network Fragments Vizster scope input I ties algorithm UI study self-critique	VSG Social Network Fragments Vizster scope input ties algorithm UI study self-critique	VSG Social Network Fragments Vizster			
questions?	visualize email social networks	users supply their mail spool and 4 files	contexts & colours			
VSG Social Network Fragments Vizster scope input ties algorithm UI study self-critique	VSG Social Network Fragments Vizster	VSG Social Network Fragments Vizster	VSG Social Network Fragments Vizster			
email addresses	listservs	aliases	not binary			
VSG Social Network Fragments Vizster scope input ties algorithm UT study self-critique	VSG Social Network Fragments Vizster scope input ties algorithm U study self-critique	VSG Social Network Fragments Vizster scope Input ties algorithm UI study self-critique	VSG Social Network Fragments Vizster			
knowledge: A → B	awareness: B ↔ A	weak awareness: B II C	list awareness: {B, C,}			

	scope I input I ties I algorithm I UI I study I self-critique	VSG Social Network Fragments Vizster scope input ties algorithm UI study self-critique			
natrix of tie strengths	spring system	spring system			
S Social Network Fragments Vizster	VSG Social Network Fragments Vizster scope Input Lies algorithm UI study self-critique	VSG Social Network Fragments Vizster scope Input I ties algorithm UI study self-critique			
nformal study	lots! tie strength by volume misleading layout artifacts ('fake' proximity)	Pros: easy to follow self-critique Cons: layout issue really bad			
SNF Vizster	VSG SNF Vizster scope problem presentation algorithm UII study	VSG SNF Vizster scope problem presentation algorithm UII study			
isualize Friend ster	lots of data, no way to see it	imagery is central			
a I SNF I Vizster I problem I presentation I algorithm I UI I study pring-based layout	VSG SNF Vizster scope problem presentation algorithm UI study	VSG SNF Vizster scope problem presentation algorithm UI study informal techies			
a is	Social Network Fragments Vizster Input ties algorithm UI study self-critique	Social Network Fragments Vizster Social Ne			

VSG | SNF | Vizster scope | problem | presentation | alg

Pros:

tool uses real data

Cons:

not a lot more info on algorithm no controlled study

VSG | SNF | Vizster

scope | problem | presentation | algorithm | UI | study

questions?

VSG | SNF | Vizste

Visualizing Social Groups Linton C. Freeman, American Statistical Association, 1999 Proceedings of the Section on Statistical Graphics, 2000, 47-54.

Social Network Fragments Chap 7, danah boyd MS Thesis "Faceted Id/entity: Managing representation in a digital world"

Vizster: Visualizing Online Social Networks. Jeffrey Heer and danah boyd. InfoVis 2005.

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