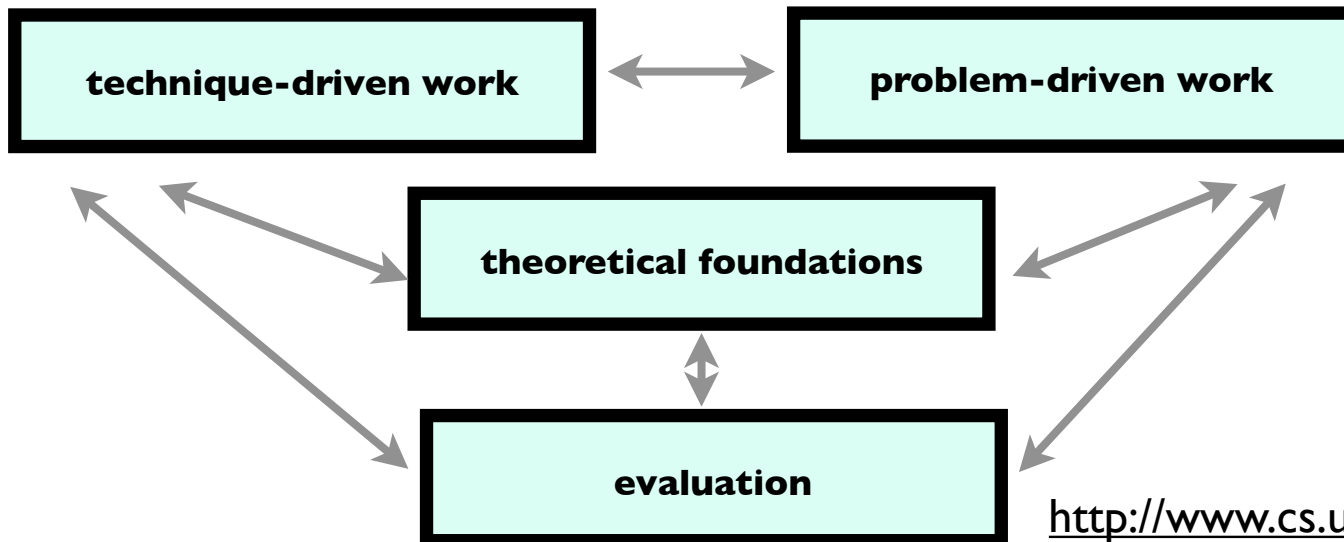


Tamara Munzner, UBC Computer Science

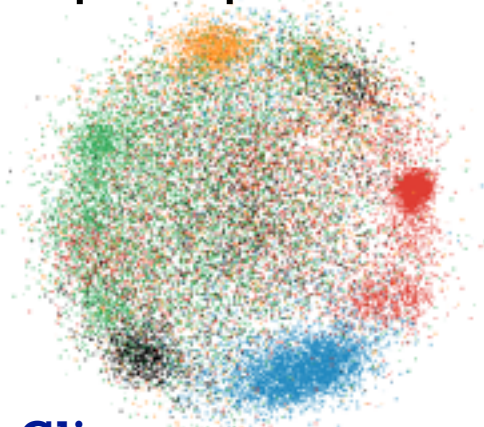
- visualization & visual analytics: when human in the loop needs details about data
 - exploratory data analysis
 - presentation of known results
 - interplay with automation
 - refining model, trustbuilding/monitoring, mixed-initiative
- angles of attack:



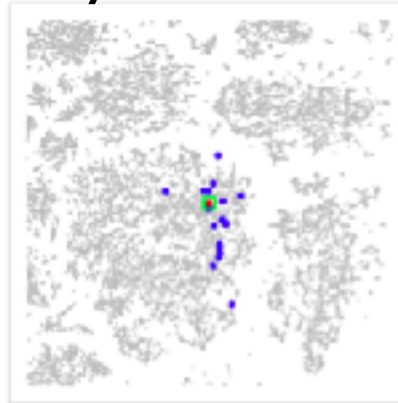
Techniques: Dimensionality reduction, graph drawing

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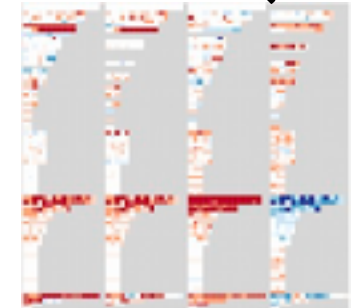
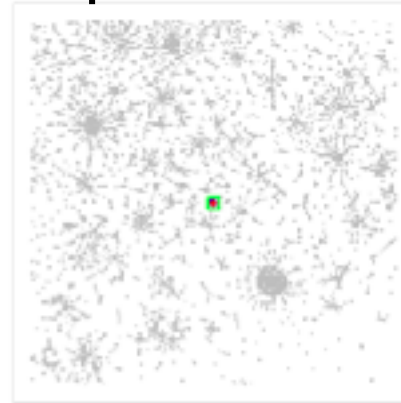
- algorithmic scalability: computational benchmarks
- perceptual suitability: controlled experiments w/ human subjects



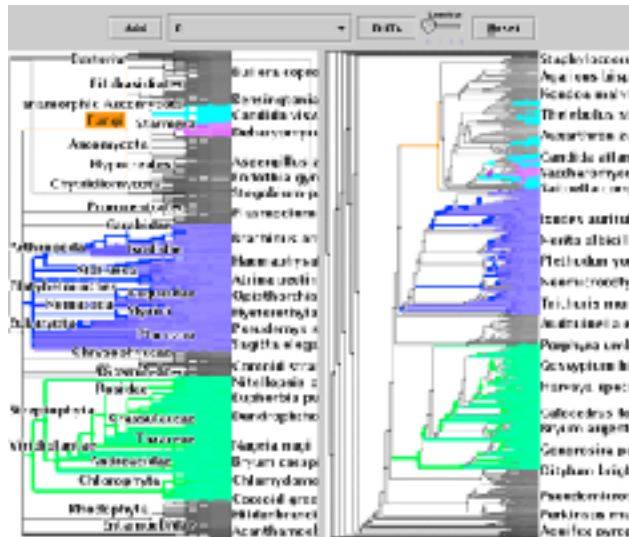
Glimmer



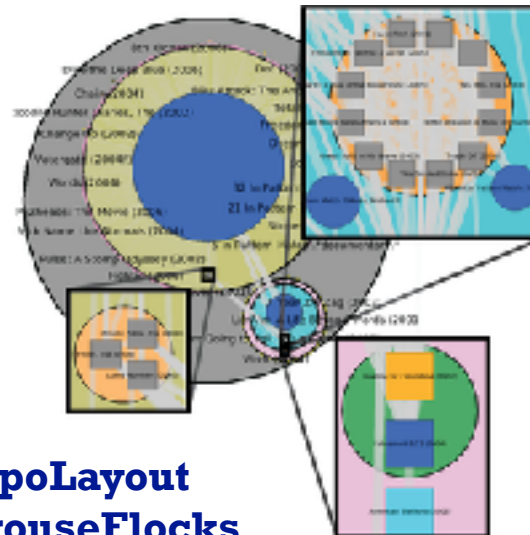
QSNE



Guidance on DR & scatterplot choices



TreeJuxtaposer



TopoLayout
GrouseFlocks
TugGraph

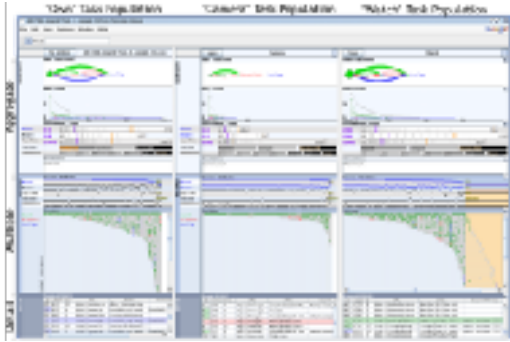


Search set model of path tracing

Problems: Systems, journalism, genomics...

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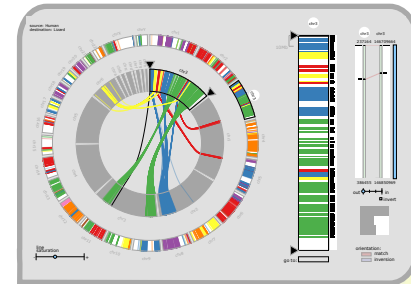
- opportunistic collaborations across many domains
 - intensive requirements analysis, iteratively deploy & refine prototypes



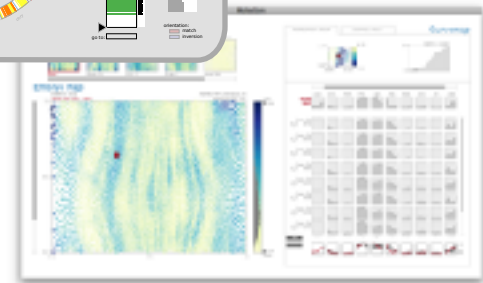
SessionViewer: web log analysis (Google)



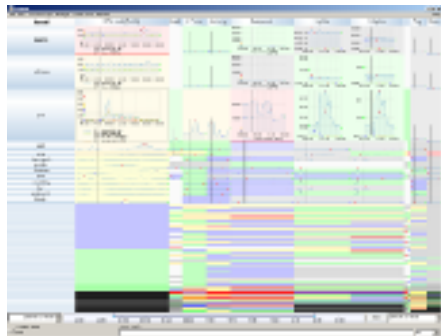
Overview (Assoc Press)



MizBee (Broad Inst)



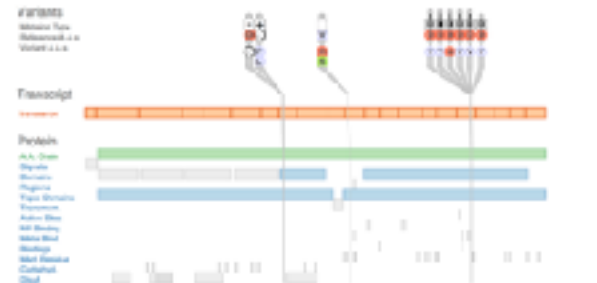
MulteeSum, Pathline



LiveRAC: systems time-series logs (AT&T Research)



Segmentifier (Mobify)



Variant View (BC Cancer)