

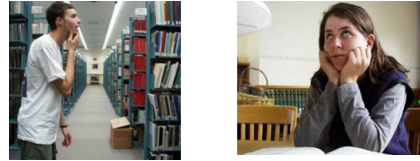
# UFinder

An interactive tool for data exploration and decision-making

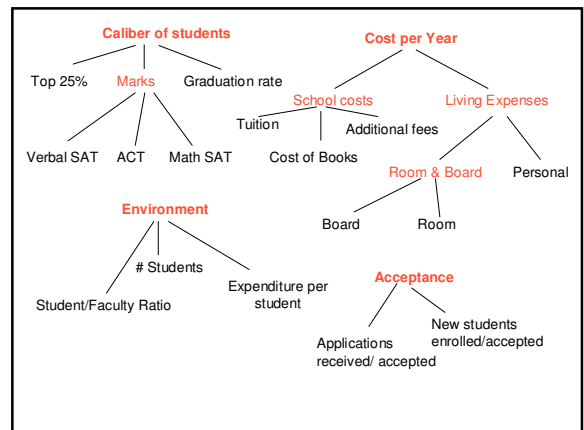
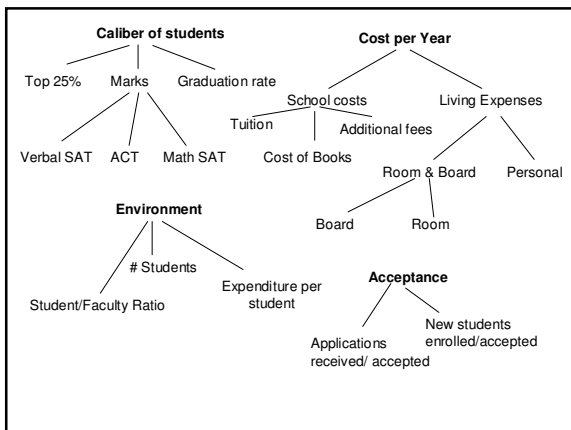
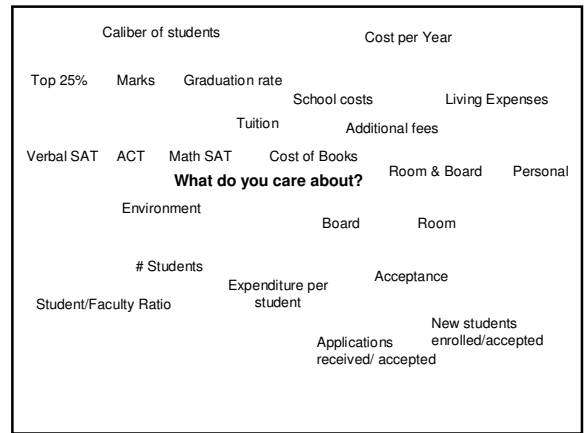
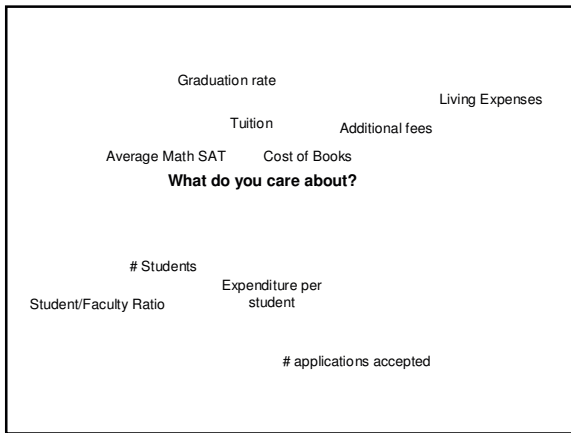
Jeanette Bautista  
Micheline Manske

# Our Goal

Help people make decisions

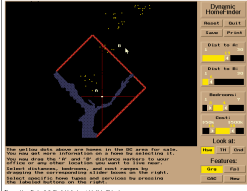


about which university or college to attend



## Our Inspiration

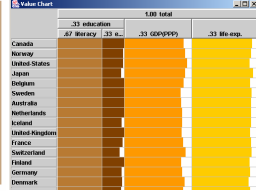
### HomeFinder



(Williamson & Shneiderman, 1992)

- + filter out large number of objects with undesired range of attributes
- can't compare attributes of two objects easily

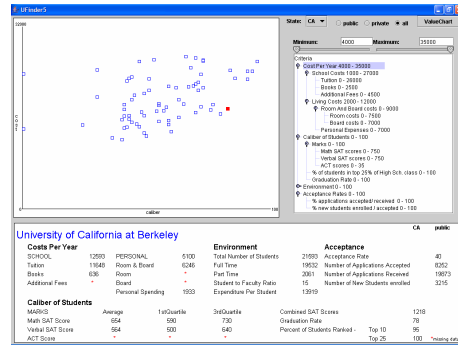
### ValueCharts



(Carenini & Loyd, 2004)

- + compare objects' attributes with ease
- not good with large data sets

## Demo



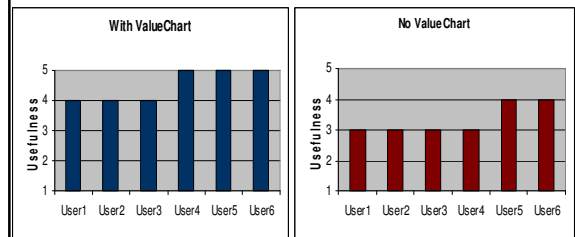
## Evaluation

How does a ValueChart enhance the decision-making process over standard dynamic queries?

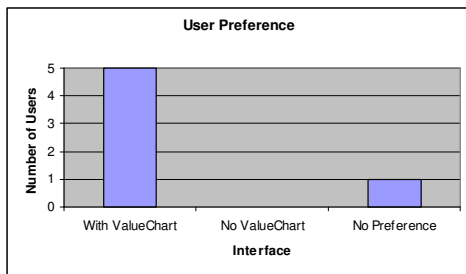
Informal User Study

- 6 participants
- 2 interfaces (with ValueCharts and without ValueCharts)
- Task: find three schools that they would consider finding more information about.

## Evaluation



## Evaluation



## Conclusion

- Ufinder 1300 schools on 16 Attributes
- Drill down to fine level of detail while abstracting where possible
- Interactively filter to discover trends in the data
- Interactively specify preferences to explore tradeoffs

## Questions?

### References:

Carenini, Giuseppe, and Loyd, John. ValueCharts: Analyzing Linear Models Expressing Preferences and Evaluation. In publication.

Williamson, Christopher, and Shneiderman, Ben. The Dynamic HomeFinder: Evaluating dynamic queries in a real-estate information exploration system. Proc. ACM SIGIR '92, pp 338-346.

Thank you!