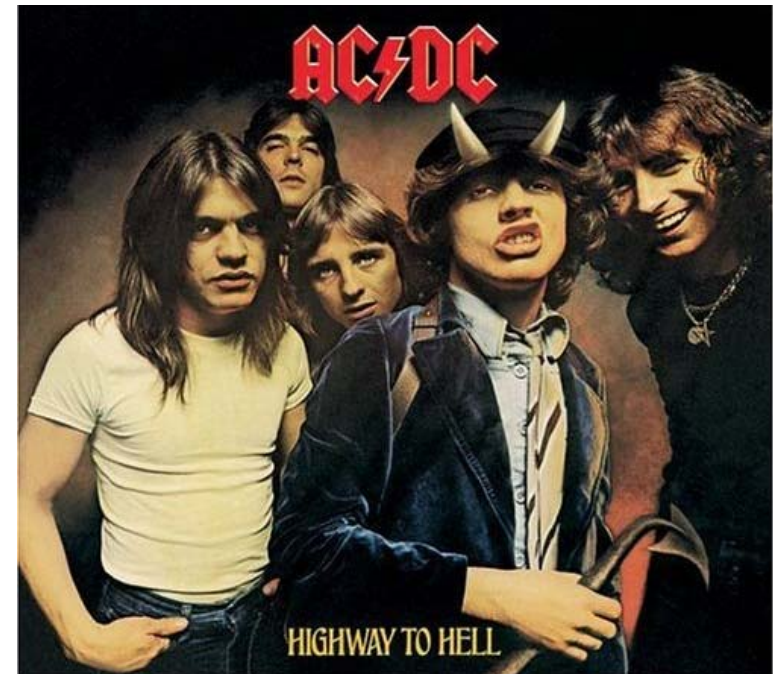
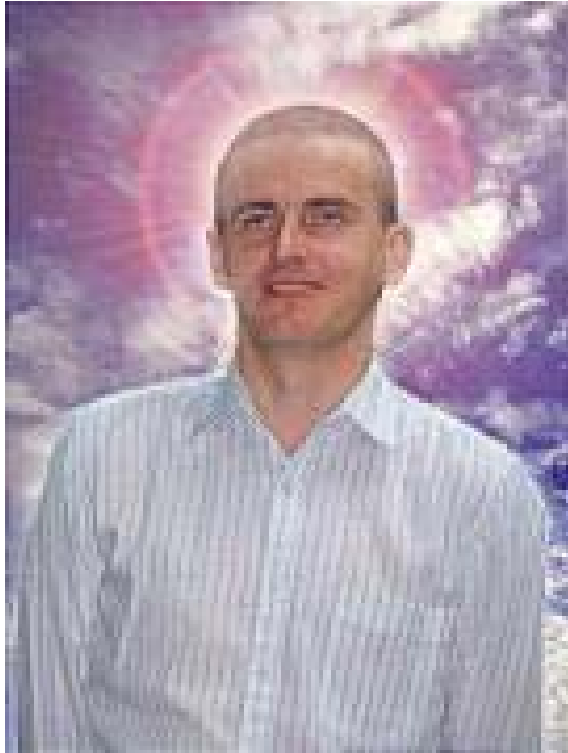


InfoVis is from Venus –
SciVis from Mars

Robert Kosara



InfoVis is from Heaven ...



... SciVis from **Hell!**

Let me count the ways ...

- Technical Soundness
- Theory
- Process
- Abstraction
- Interdisciplinary Work
- Women

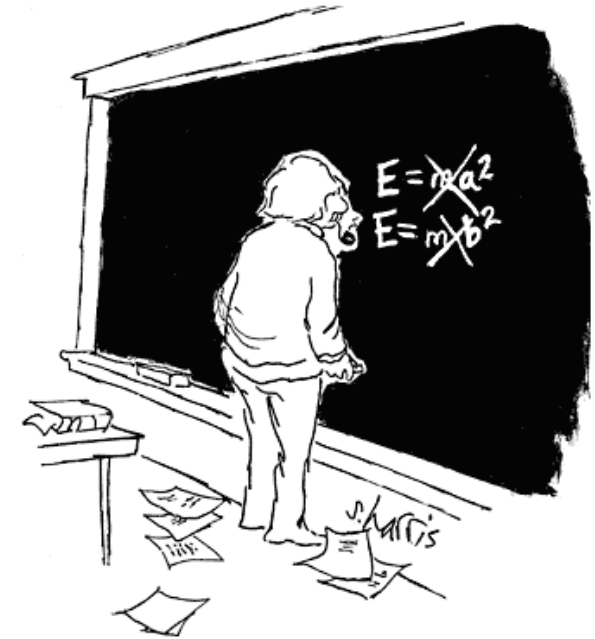


Technical Soundness

- SciVis
 - Deep into technical detail
 - Implementation specifics
 - Tends to get lost in technicalities
 - Very specific and sometimes short-lived
- InfoVis
 - Light on details
 - Implementation? Huh?
 - Broader idea of problem and solution

Theory

- SciVis
 - New Things
 - New Things
 - New Things
- InfoVis
 - Model papers, design studies
 - Attempts at theory
 - (and also new things)



Theory

Rethinking Visualization: A High-Level Taxonomy

Melanie Tory

Torsten Möller

Graphics, Usability, and Visualization Lab
School of Computing Science, Simon Fraser University

high-level visualization taxonomy. Our taxon-
alization *algorithms* rather than *data*. Algo-

this ambiguity, it can be difficult to decide v
and application areas belong. For example, a
functions (e.g., $f(x,y,z,w) = x^2 + y^2 + z^2$
(meaning that they belong to “scientific vis

On the Death of Visualization¹

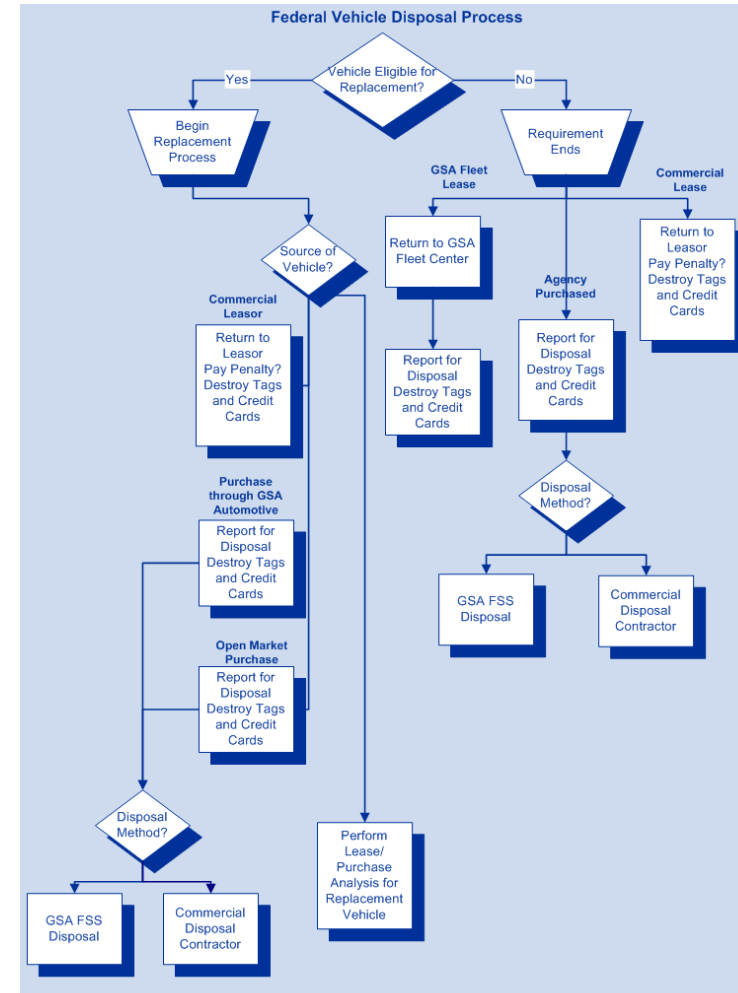
Can It Survive Without Customers?

Bill Lorensen

Introduction

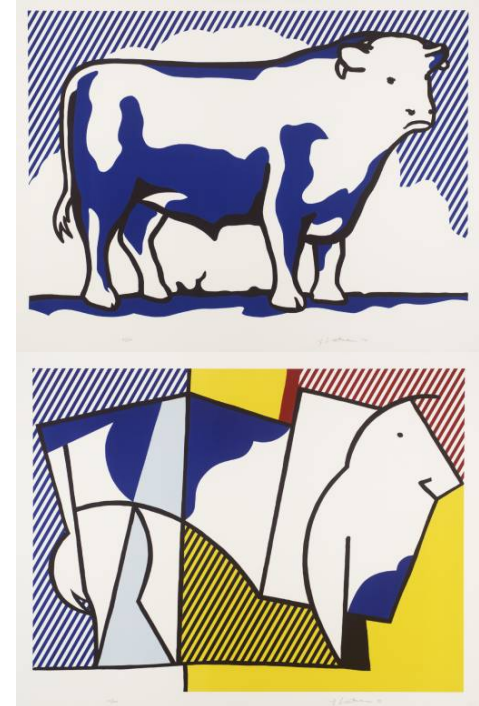
Process

- InfoVis
 - Artistic Papers
 - Design studies
 - Tufte
 - Etc.
- SciVis
 - Hmmm ...



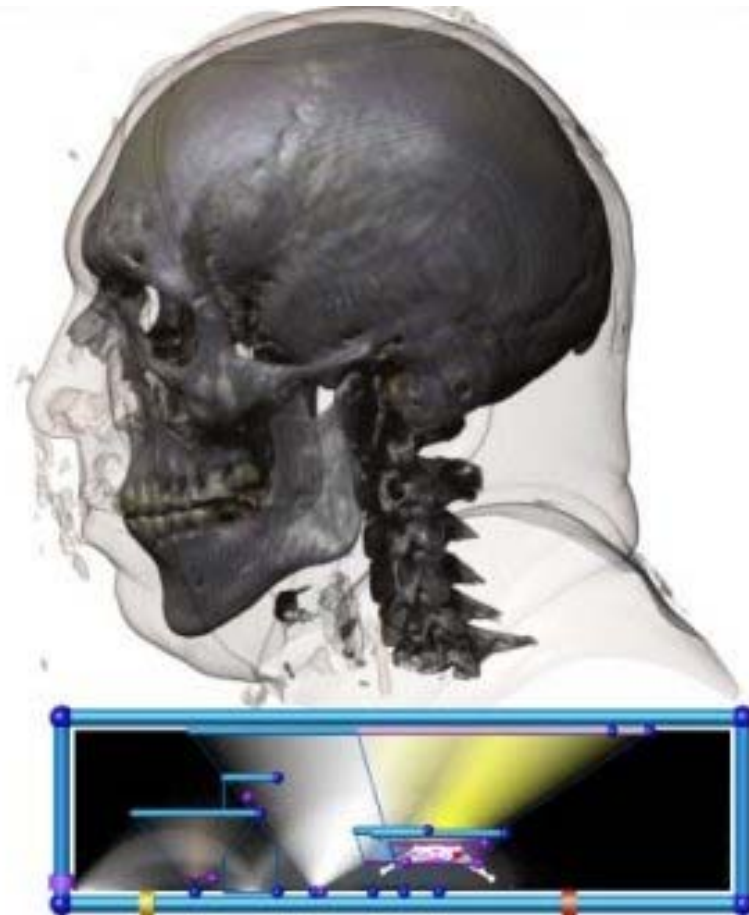
Abstraction

- SciVis
 - What does a bone look like?
 - What does a kidney look like?
- InfoVis
 - How do you show
 - a bank account?
 - a 6-dimensional cluster in 15-dim data?
 - three million highly classified, unstructured, entirely unintelligible intelligence reports?



Interdisciplinary Work

- InfoVis
 - Art
 - Psychology
 - User studies
 - Illustration
 - Communication
 - Etc.
- SciVis
 - Hmmm ...



Kniss, Kindlmann, Hansen

Women



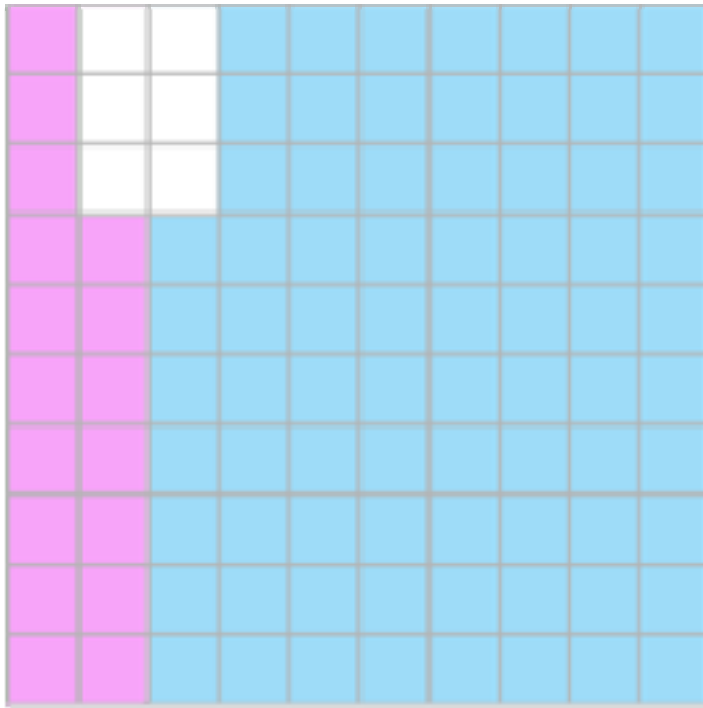
<http://eagereyes.org/photos/Vis2004/>

Women

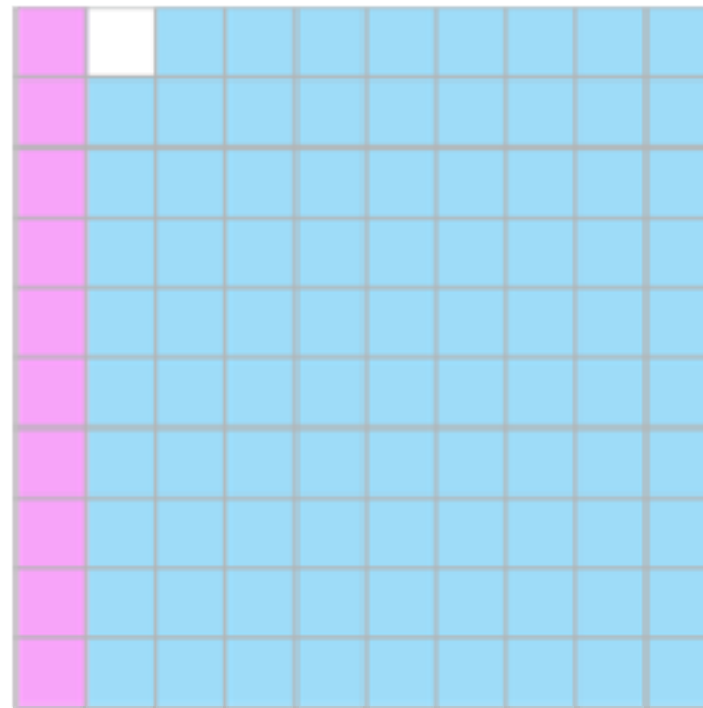
- Where are they?
- SciVis
 - Nope
 - Okay: few, but constant
- InfoVis
 - Well, a few
 - More than SciVis ... until now



Women in InfoVis

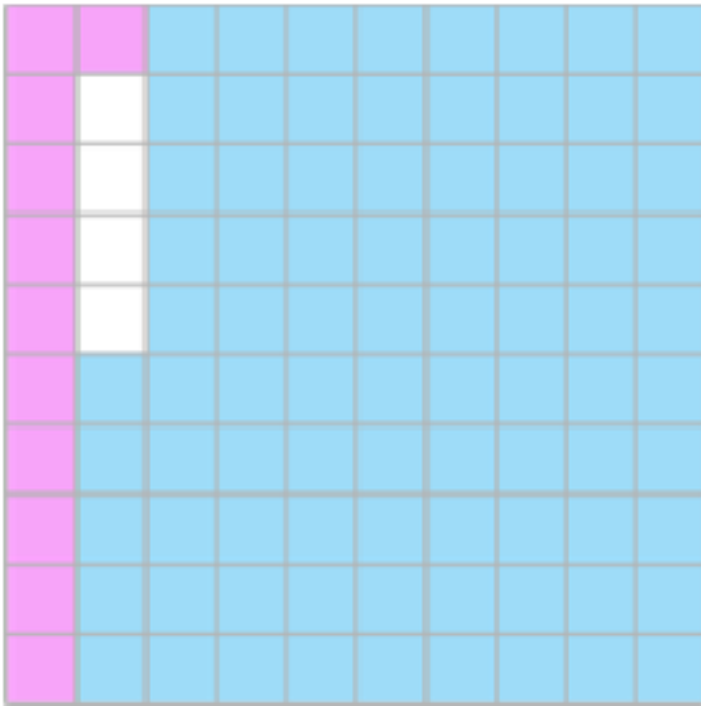


InfoVis MMIV, MMV

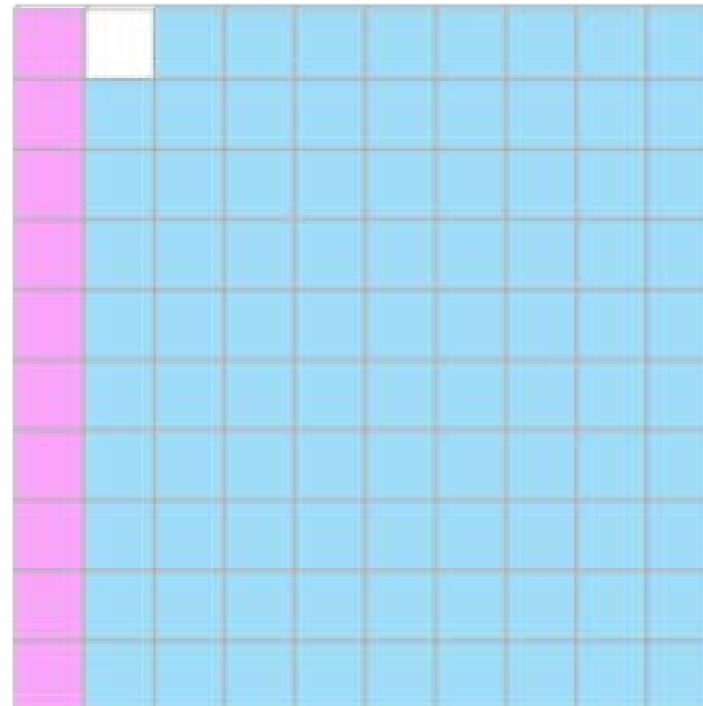


InfoVis MMVI

Women in InfoVis and Vis



Vis MMVI



InfoVis MMVI

