

Sketching a Palette of Visualization Theories

Gordon Kindlmann - University of Chicago

Carlos Scheidegger - University of Arizona

Transmission

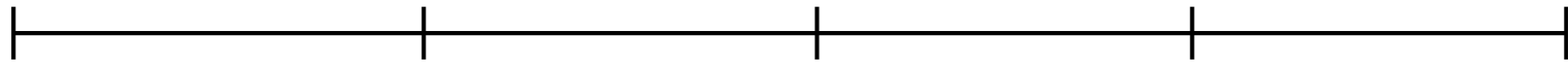
Demiralp, Chen & Leitte

Mackinlay

“follow my examples”

“follow my theorems”

“run my code”



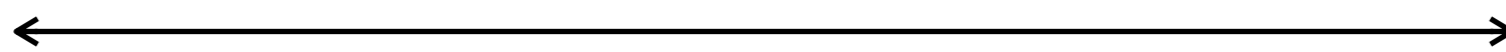
“follow my maxims”

“follow my proofs”

Tufte

(?)

Oracles



APIs

Is it mathy?

Not mathy

Munzner's
nested model

Hoffman, Cook,
Wickham et al.
Statistical Testing

Chen & Leitte,
Information Theory

Demiralp's
perceptual kernels

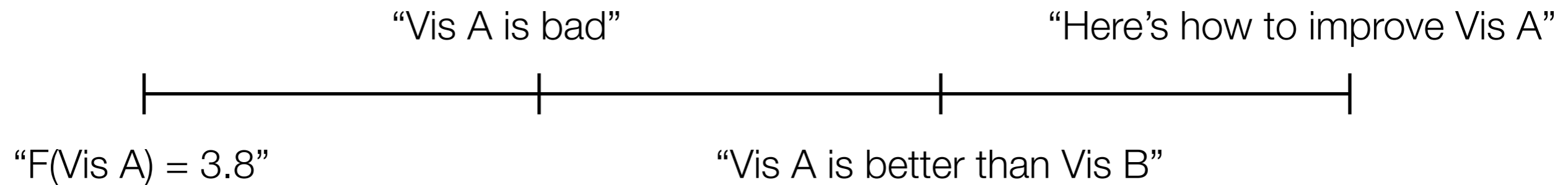
Kindlmann +
Scheidegger

Hibbard's
Lattice Model

Analysis
(quantitative)

Algebra
(qualitative)

Actionability



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