

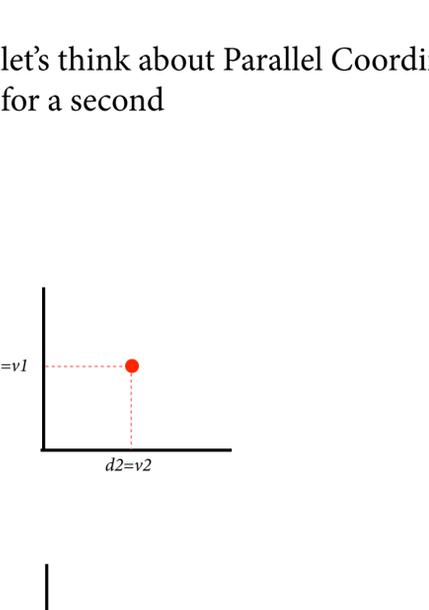
# Using Color to Show Correlations, in a Parallel Manner

CPSC 533, Ivan Zhao

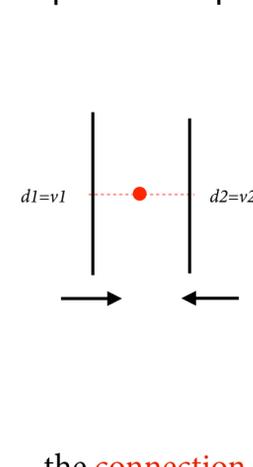
correlation?  
Scatterplot

limitation:  
2 dimensions

## Parallel Coordinates



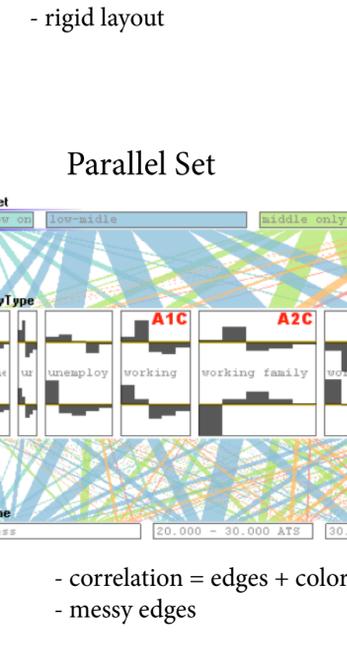
let's think about Parallel Coordinates for a second



the connection

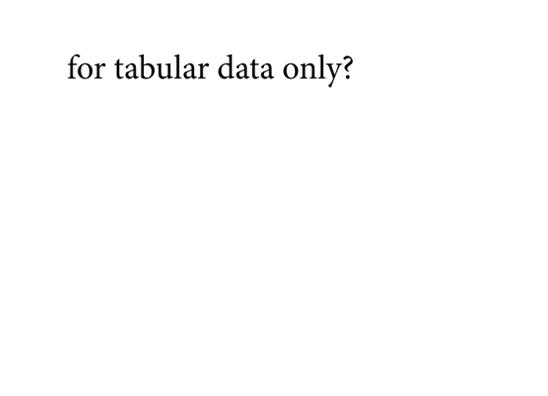
show the connection in other forms?  
e.g. texture, animation, color, area..  
(no more edges)

## Mosaic Display



- correlation = area
- two dimensions at a time
- rigid layout

## Parallel Set



- correlation = edges + color
- messy edges

my design:

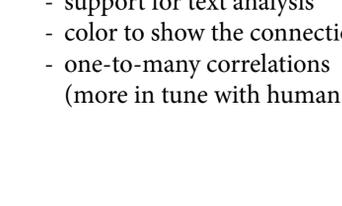
*demo*

for tabular data only?

## logical set



## the column case



## tree map



pro:  
- flexibility  
- support for text analysis  
- color to show the connection  
- one-to-many correlations  
(more in tune with human attention?)

con:  
- set = too many combinations  
- weak on numerical data  
- area takes up much space