Using Color to Show Correlations, in a Parallel Manner

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<table>
<thead>
<tr>
<th>correlation?</th>
<th>Scatterplot</th>
</tr>
</thead>
<tbody>
<tr>
<td>limitation: 2 dimensions</td>
<td></td>
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</tbody>
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Parallel Coordinates

Let's think about Parallel Coordinates for a second

- $d_1 = v_1$
- $d_2 = v_2$

Other connections:

- 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

Logical set

For tabular data only?

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

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