Course Material

<table>
<thead>
<tr>
<th>Example</th>
<th>1990 US Census data</th>
</tr>
</thead>
<tbody>
<tr>
<td>What: Data</td>
<td>Multi-dimensional trees: multiple categorical attributes, quantitative aggregated value.</td>
</tr>
<tr>
<td>What: Derived</td>
<td>One quantitative attribute.</td>
</tr>
<tr>
<td>Why: Tasks</td>
<td>Find correlations &amp; relationships.</td>
</tr>
<tr>
<td>Scale:</td>
<td>Items: millions, Attributes: dozen.</td>
</tr>
</tbody>
</table>

Table with data and tasks: Parallel Hierarchies example

Offline-Workshop

Worksheets for Morphological Analysis and Building Blocks as stickers

Pattern Worksheet and Inspiration Card

Supplemental Material - A Didactic Methodology for Crafting Information Visualizations  p. 1
Worksheets for Morphological Analysis: first and second iteration

Empty pattern worksheet (left) and with sketches and assigned building block stickers (right)
Collected Patterns on the Whiteboard

Creating construction plans and sketches

Supplemental Material - A Didactic Methodology for Crafting Information Visualizations  p. 3
Visual Encodings Worksheet

Gestalt Laws

Similarity
Proximity
Closure
Symmetry
Figure & Ground
Continuity
Connectedness
Enclosure
Common Fate
Simplicity

Gestalt Principles Evaluation Worksheet
Online-Workshop

Visualization Sheet Template to describe a visualization (used in top-down approach)

Building Blocks in Miro

Supplemental Material - A Didactic Methodology for Crafting Information Visualizations p. 5
Structure of the Construction Kit

Example of Morphological Analysis of Bottom-up approach (digital sketches in miro)
Whole Miro worksheet for bottom-up approach in the visual analytics course (used with graduated students)
Miro worksheet for Top-Down approach (used with undergraduate students in InfoVis Course)
Examples of pattern created in Miro

Miro board with all patterns created at the InfoVis course
Worksheet for discussing visual encoding

Fusion worksheets in Miro

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Construction plans and sketches created or uploaded in Miro

Miro boards:

https://miro.com/app/board/o9J_knVo5GM=/

https://miro.com/app/board/o9J_knUpzi8=/