PROJECT THREE

3D DATA VISUALIZATION

PROJECT REQUIREMENTS

FORMS: The forms should show an abstraction of data. You may use any technique, but the majority must be fully-dimensional. You may include type, but the emphasis should be on the dimensionality and form of the piece, not the surface decoration.

SIZE: Structure must be at least 2 feet in any direction.

TOOLS: Paper, Xacto, laser cutter, and other supplies to achieve color. Adhesives may be used but should not be visible in final models.

EVALUATION

Conceptual and aesthetic refinement evident in final forms;

Process and level of alternative explorations demonstrated by evolution of preliminary and draft models;

Craftsmanship and presentation.

OBJECTIVE

While working in teams, design a three-dimensional data visualization for a data set. You will be exploring the various way that paper can facilitate an understanding of complex information through size, texture, color, depth, and form. The key is to categorize, analyze, and abstract data to determine how you will be representing it. Your project can be mounted on a wall, seated on a surface, or hung in a space. You may use any technique to achieve your design concept (i.e. printing, folding, laser cutting), but the majority must be fully-dimensional. You may also use type in this project to enhance the message if you wish—keep it clean and minimal, the emphasis should be on the structure. The simpler your design, the easier it is for your audience to understand the information.

KEYWORDS: data visualization, paper art, geometry, structure, form, graph

SCHEDULE

MAY 22: Introduce project 4

MAY 27: 3 concept sketches per team [due]

MAY 29: Finalize concept + begin construction

JUNE 3: Mock-up [due]

JUNE 5: Individual meetings

JUNE 9, 8-10AM: [Final critique] Present projects in class. Upload three images of work to canvas.