Dashboard Dataset

Dashboard Data
DMiner + Tableau

Filter
2 Criteria · Legibility & Readability
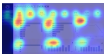· Desktop Display

1200 + 16 Screenshots

Eye-tracking

Gaze Data

Participant
× 60

Eye-gaze
946 DVElite
1,187 DVCrowd

2133 Eye-Gaze Recordings

Viewing Pattern

Dashboard Objects

Text **Visual** **Hybrid**
Number Title Map Bar Filter

"Number has highest saliency coverage"

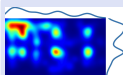### Layout Designs

Stratified Table Grouped Open

"Grid-strucured Attention"

Saliency Model

Original Structure

Input → Encoder-Decoder → Output

Added Module

Information Enhanced

AOI Detection
Type: Number
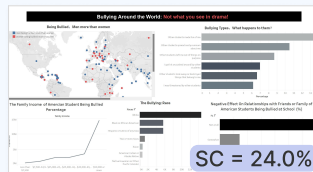*Location: X, Y*
Size: width, height

Multi-task Learning

Layout Recognition Features *Label: "Table"*
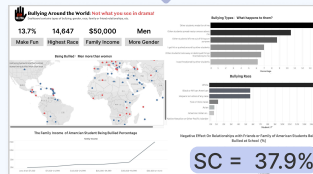
Dashboard Design

SC = 24.0%

Design Guidelines Model Prediction

SC = 37.9%

SC = Saliency Coverage