Rethinking How You Style Your Maps

Jeremy Bartley
Jim Herries
Enhancements to support better vector mapping

Jeremy Bartley
What's new in Version 3.7

Better vector maps with new rendering functionality
Better Vector Mapping -- FeatureLayer

- FeatureLayer is a key component of vector mapping that represents the Data on the client side

- Simple, Fast, Smart, Powerful

- Leverages the key characteristics of the Web
  - SVG, Canvas, CSS, HTTP Caching, Workers

- Simple way to visualize your data on the client
Scale proportionally by size

```javascript
var proportionalSymbolInfo = {
    field: "GroundArea",
    valueUnit: "feet",
    valueRepresentation: "area"
};

featureLayer.renderer.setProportionalSymbolInfo(proportionalSymbolInfo);
```
Scale proportionally by size
Scale proportionally by size
Continuous Size – Center of Polygon

The percentage of the area of the county that represents farmland is 95.76%.

Percentage of county area used for farming.
Continuous Size – Center of Polygon

Percentage of county area used for farming.

The percentage of the area of the county that represents farmland is 95.76%.
Scale proportionally by size + Rotation
Scale proportionally by size + Rotation
Scale proportionally by size + Rotation + Color
Scale proportionally by size + Rotation + Color
Scale by size + Rotation + Color with Labels
Scale by size + Rotation + Color with Labels
Percentage of county area used for farming

USA_County_Crops_2007

- 0.04 - 16.83
- 16.83 - 33.12
- 33.12 - 48.09
- 48.09 - 63.68
- 63.68 - 80.29
- 80.29 - 100

Classified into 6 classes
Percentage of county area used for farming

Continuous Color
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Percentage of county area used for farming

Continuous Color
Dot Density
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var renderer = new DotDensityRenderer({
    fields: [{
        name: "M163_07",
        color: new Color("#CC8800")
    }],
    dotValue: 1600,
    dotSize: 1
});
layer.setRenderer(renderer);
Style for value

Jim Herries
Counts and rates are valuable attributes to have.

Rethinking How You Style Your Maps
Watches NCAA Men’s Basketball on TV (click map to view)
Watches NBA on TV (click map to view)
Watches WNBA on TV (click map to view)
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Rethinking How You Style Your Maps

Watches Basketball on TV (click map to view)
Rethinking How You Style Your Maps

Working Classes in Bay Area (click map to view)
Working Classes in Bay Area (click map to view)
Watches NCAA Men’s Basketball on TV (click map to view)
Watches NCAA Men’s Basketball on TV (click map to view)
Watches NCAA Men’s Basketball on TV (click map to view)
Watches NCAA Men’s Basketball on TV (click map to view)
Resources

• http://developers.arcgis.com
• http://blogs.esri.com/esri/arcgis/
• http://www.arcgis.com
Thank you...

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  - 30 minute Technical Workshops
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