open source data visualization

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data visualization - research and development

AXIIS

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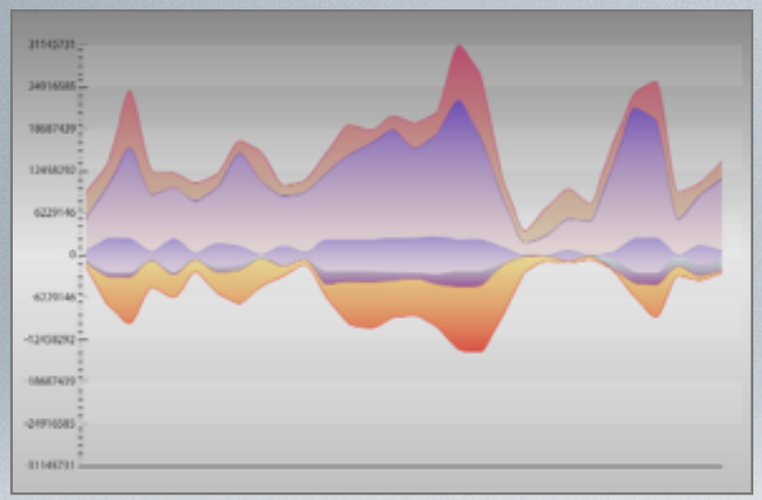
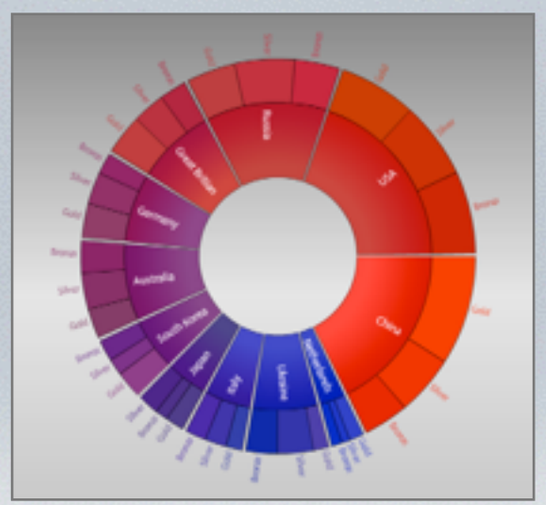
Caution !

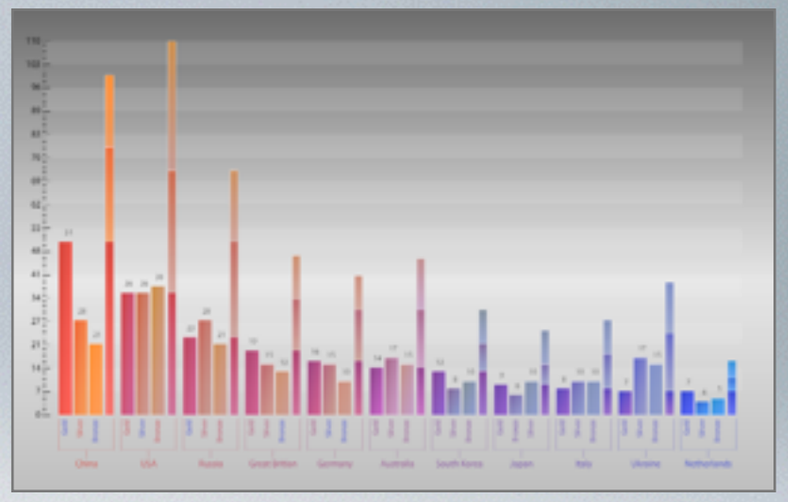
what you are about to see is
considered experimental and subject to change

AXIIS

What is Axiis?



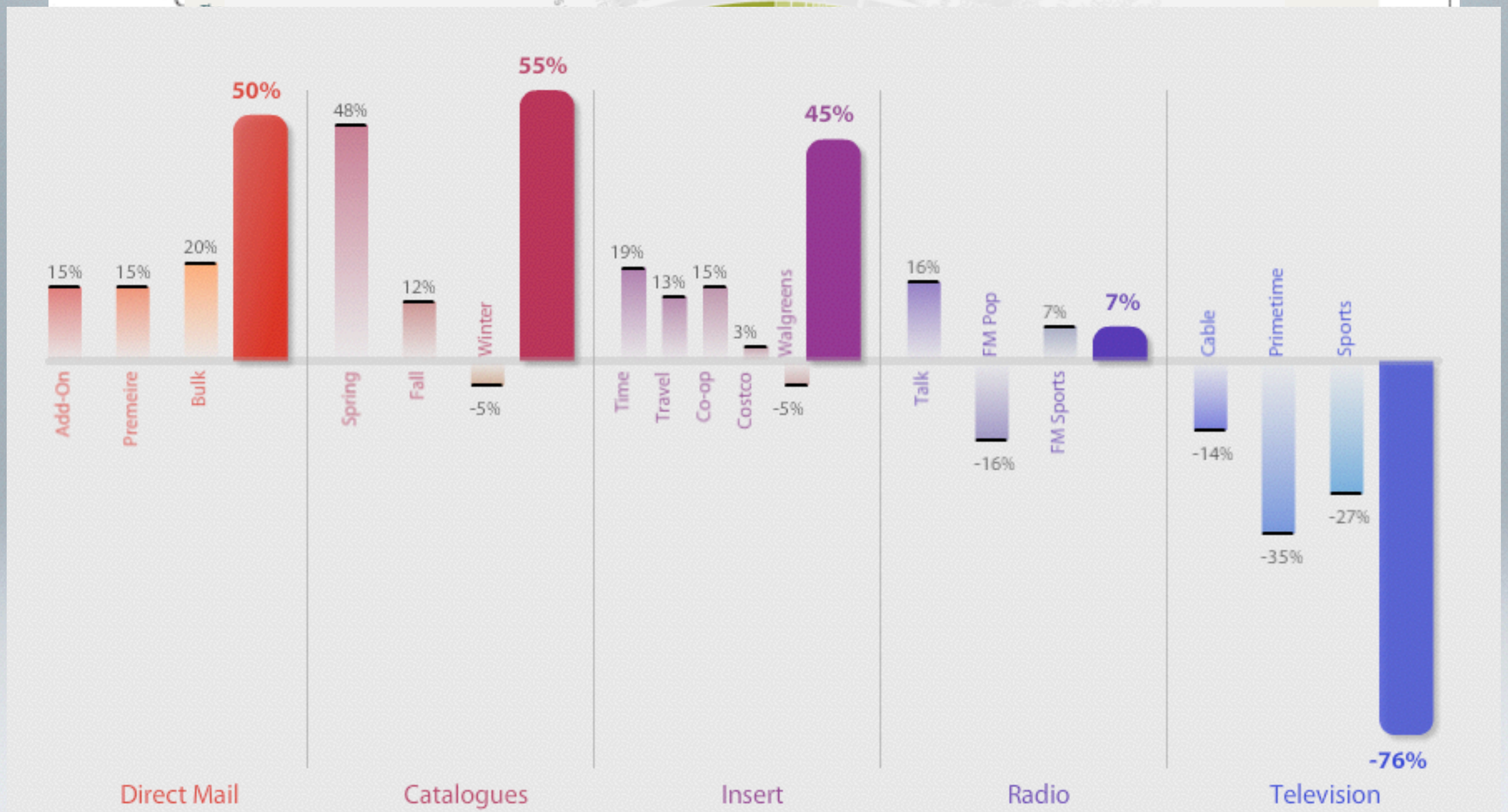




http://www.axiis.org

Why build Axiis ?

Before we started we looked at these:



An axiis story ...

our first contributor

How is it different ?

driven by data
&
your imagination

markup centric approach to "programming"

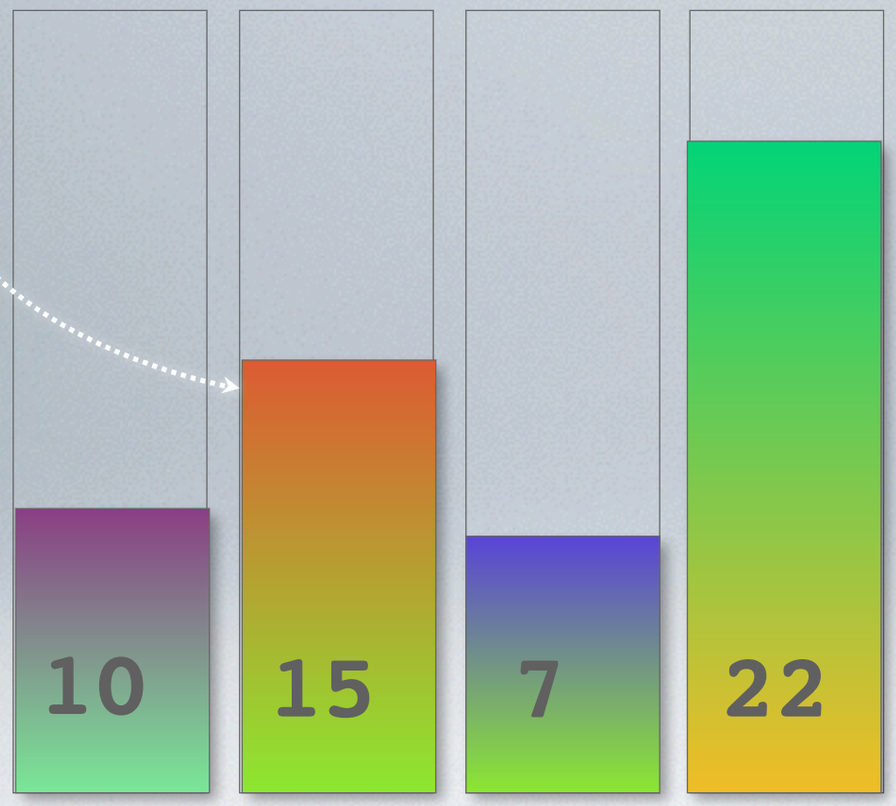
```
<!-- Common calculations used by geometries -->
<utils:NumericExpression id="outerRadius"
    value="{(width/2)*outerRadiusRatio}"/>
<utils:NumericExpression id="center"
    value="{boundsRadius.value/2}"/>
<utils:NumericExpression id="boundsRadius"
    value="{Math.min(this.height,this.width)}"/>
<utils:NumericExpression id="arc"
    value="{Number(currentValue)/maxValue*(maxArc-angleGap*itemCount)}"/>
<utils:BooleanExpression id="transposeLabel"
    value="{!((wedge.startAngle + wedge.arc * .5) &gt; 90 &amp;&amp; (wedge.startAngle + wedge.arc *.5) &lt; 270)}"/>


<groupings:referenceRepeater>
    <!-- innerRepeater: the reference repeater wedge for the inner ring of wedges -->
    <layoutUtils:GeometryRepeater id="innerRepeater">
        <layoutUtils:geometry>
            <geometry:Wedge id="wedge"
                centerX="{width/2}"
                centerY="{width/2}"
                innerRadius="{(width/2)*innerRadiusRatio}"
                outerRadius="{(width/2)*outerRadiusRatio}"
                startAngle="{startAngle}"
                arc="0"/>
        </layoutUtils:geometry>
        <layoutUtils:modifiers>
            <layoutUtils:PropertyModifier property="startAngle" modifier="{wedge.arc+angleGap}" modifierOperator="add"/>
            <layoutUtils:PropertyModifier property="arc" modifier="{arc.value}" modifierOperator="none"/>
        </layoutUtils:modifiers>
    </layoutUtils:GeometryRepeater>
</groupings:referenceRepeater>
```

AXIIS

How did we do it ?

drawing geometries



reference repeater

describe a pattern

bind some data

plot a picture

live coding demo.

(yes, we like to live dangerously)

does that come with fries?

get ready for some gratuitous keynote transitions ...

DataSet

Column/Bar Clusters and Stacks

Line/Area Series Group

Wedge Stack, Plots and More

Axis, Scale, Expressions

States

Source, Examples, Docs

AXIIS

where are we today?

alpha 1.1 in dev branch

core defined and working

some pre-built components

has bugs, needs more testing

ready to take on contributors

AXIIS

what's next ?

performance

states/tweens

transitions

more visualizations

beta 1.0

AXIIS

how do I get a copy?

www.axiis.org

http://www.insideria.com/2009/07/axiis---an-introduction-and-tu.html

AXIIS