

SUPERCHARGE THE EXPERIENCE

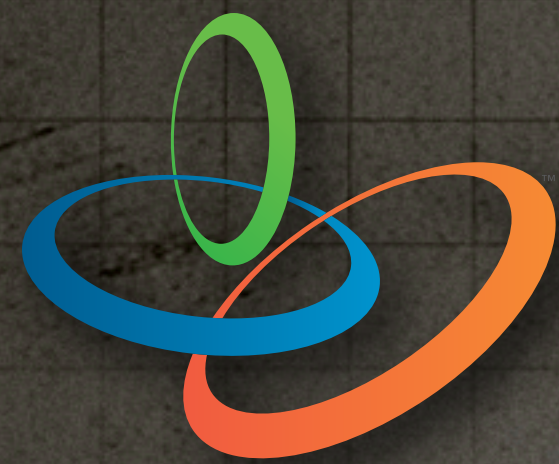
WITH HTML5 AND AJAX

DOVY PAUKSTYS

CHIEF TECHNOLOGY OFFICER OF REAL-TIME COLLABORATION

ABOUT DOVY PAUKSTYS





Real-Time Collaboration

a process automation company



AncestorSync™

Sync data from all major desktop genealogy programs to the web and back again.

<http://ancestorsync.com/>



Ohana Software™

Makers of FamilyInsight. Sync to FamilySearch and clean up your local data.

<http://ohanasoftware.com>



ResearchTies™

A research log that just works! Designed by a 30-year veteran research for researchers.

<http://researchties.com>



SharingTime™

Powerful browser plugin which adds great features on top of New FamilySearch.

<http://sharingtime.com/>

WHY ARE WE HERE

- To talk about data and how to visualize it with HTML5 and AJAX

AGENDA

- Why visualize data?
- Examples in the industry.
- What you can you do today.

WHY VISUALIZE DATA?

WITH DATA

LESS IS MORE



facebook

December 2010

VISUALIZE A LIFE

VISUALIZE A LIFE

Andy Sparks was born.

Aug 14, 1974

DATA VISUALIZATION: STORIES FOR THE INFORMATION AGE

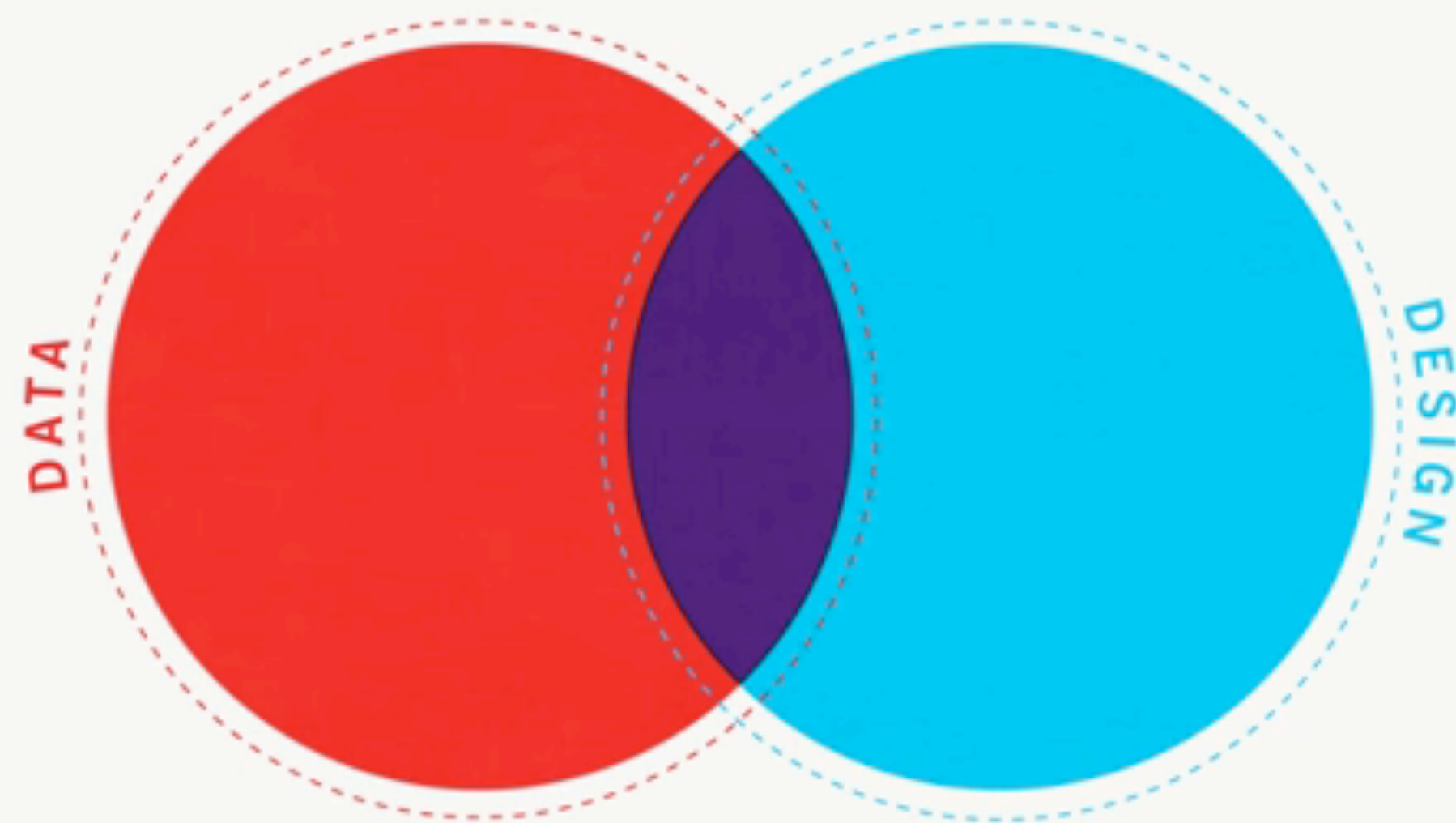
Data visualization is a way to make sense of the ever-increasing stream of information with which we're bombarded and provides a creative antidote to the "analysis paralysis" that can result from the burden of processing such a large volume of information. "It's not about clarifying data," says Aaron Koblin. "It's about contextualizing it."

-Maria Popova

Business Week: <http://shrti.me/visualizedata>

DATA & DESIGN

DATA & DESIGN



REMEMBER

IN OUR WORLD TODAY

IMAGE IS EVERYTHING

- <http://shrti.me/loanme1>
- <http://shrti.me/loanme2>

ARE YOU USING FLASH?

STOP!

...HTML5 is now universally supported on major mobile devices, in some cases exclusively. This makes HTML5 the best solution for creating and deploying content in the browser across mobile platforms. ...We will no longer continue to develop Flash Player in the browser to work with new mobile device configurations.

-Adobe Blog

<http://blogs.adobe.com/conversations/2011/11/flash-focus.html>

DON'T BELIEVE ME?

<http://isflashdeadyet.com/>

<http://online.wsj.com/article/SB10001424052970203537304577030033160849296.html#ixzz1dQsnnSDf>

<http://www.apple.com/hotnews/thoughts-on-flash/>

<http://www.businessinsider.com/why-flash-is-dead-why-html-5-is-thriving-and-why-its-important-for-your-business-to-know-about-it-2011-11>

<http://www.wired.com/gadgetlab/2011/11/adobe-kills-mobile-flash/>

EXAMPLE TIME

Leaders in the market.

- **Forbes** - <http://www.forbes.com/special-report/2011/migration.html>
- **LinkedIn** - <http://inmaps.linkedinlabs.com/>
- **Ancestry** - <http://trees.ancestry.com/tree/3319960/family>
<http://shrti.me/acensus>
- **FamilySearch** - <https://familysearch.org/tree/>
- **Geni** - tr8n translation engine - <http://wiki.tr8n.org/>
With tr8n they translated the entire site into seventeen languages in less than two weeks.
- **MyHeritage** - <http://www.momentstream.com/UX/rootstech.html>
Mobile App built with HTML5, Ajax, and Phonegap

NOW WHAT?

Get started today with a framework.

HTML5 DEVELOPMENT

What is HTML5 - <http://fortuito.us/diveintohtml5/>

Start with a HTML5 template - <http://html5boilerplate.com/>

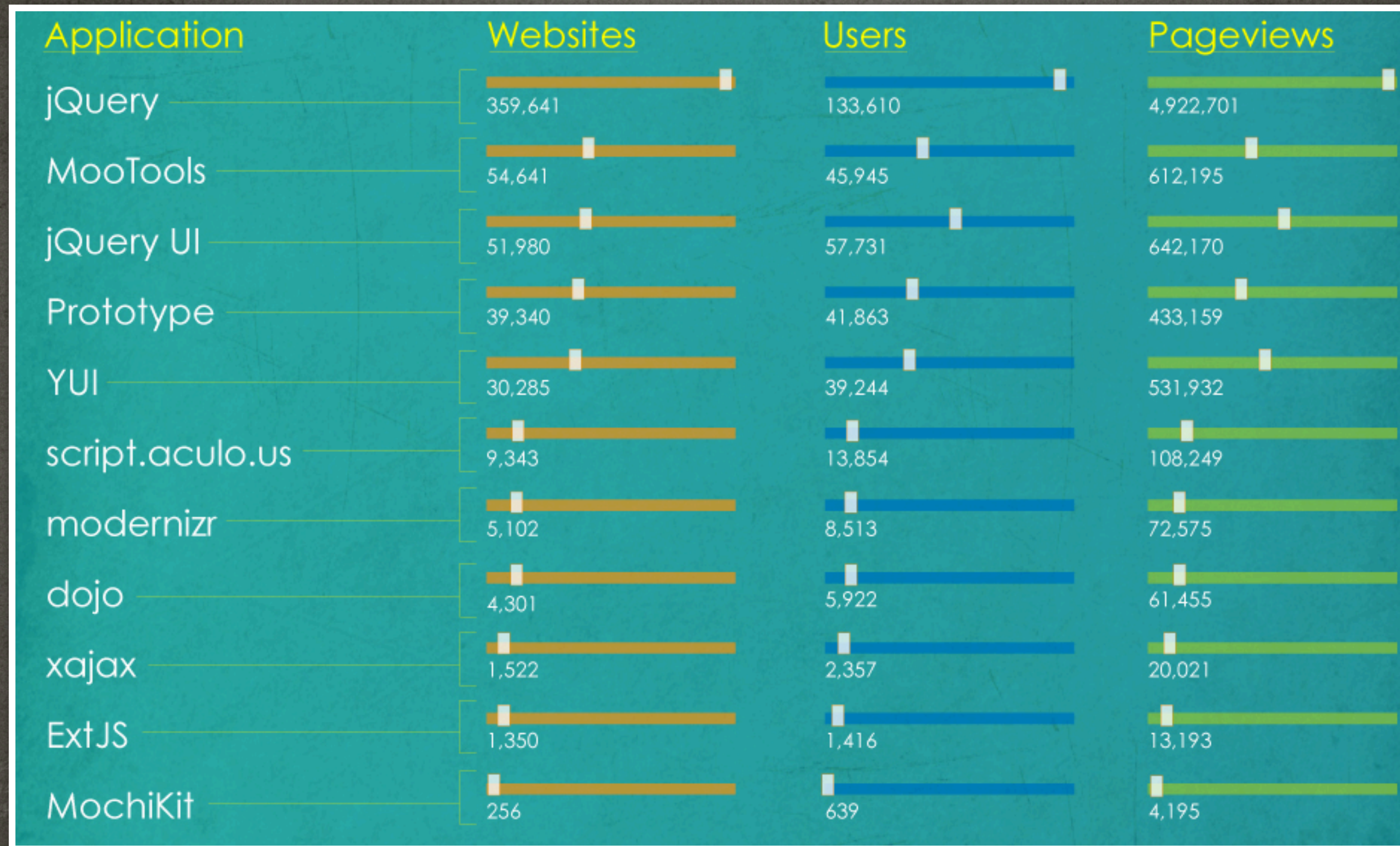
Learn the differences between HTML4 & HTML5
<http://www.w3.org/TR/html5-diff/>

Check compatibility - <http://html5test.com/>

Perhaps use a Javascript enhancer
<http://www.modernizr.com/> <http://headjs.com/>

Use this reference poster - <http://www.xhtml-lab.com/html5poster>

JAVASCRIPT LIBRARIES



DON'T FORGET

CSS3

<http://www.alessioatzeni.com/wp-content/tutorials/html-css/CSS3-loading-animation-loop/index.html>

JAVASCRIPT VISUALIZATION LIBRARIES

- <http://www.guardian.co.uk/news/datablog/interactive/2011/nov/22/us-road-accident-casualties>
- <http://www.kendoui.com/>
- <http://mbostock.github.com/d3/ex/choropleth.html>
- <http://mbostock.github.com/d3/>
- <http://mbostock.github.com/d3/ex/treemap.html>
- <http://mbostock.github.com/d3/ex/sunburst.html>
- <http://keminglabs.com/ukuni/>
- <http://thejit.org/static/v20/Jit/Examples/Sunburst/example2.html>
- <http://gallery.expression.microsoft.com/SeadragonAjax>
- <http://people.iola.dk/olau/flot/examples/stacking.html>
- <http://www.jqplot.com/tests/pie-donut-charts.php>
- <http://labs.unwieldy.net/moowheel/demo/large.html>
- <http://www.highcharts.com/demo/pie-donut>
- <http://mbostock.github.com/d3/>

MOBILE DEVELOPMENT

CROSS PLATFORM DEPLOYMENT

PhoneGap

<http://phonegap.com/>

Titanium Appcellerator

<http://www.appcelerator.com/>

MOBILE JAVASCRIPT LIBRARIES

jQuery Mobile

<http://jquerymobile.com/>

Sencha Touch

<http://www.sencha.com/products/touch/>

QUESTIONS?

Insert

your

photo

here