Building Responsive Data Visualization for the Web

Description:
Leverage responsive design practices to build future-friendly data visualizations.

With more than 1.4 billion smart phones and at least half as many tablets in use, there is a tremendous need for responsive web design in the data visualization sphere. Building Responsive Data Visualization for the Web answers the call for guidance with an authoritative and practical guide based on responsive web design principles. Author Bill Hinderman draws upon his extensive UI expertise to show you how to build data visualizations that retain clarity and effectiveness no matter where or how they're accessed.

You'll start by developing a working understanding of responsive design as you learn your way around the flexible grid, then you'll apply those skills to data as you master the fine points of data visualization and bring it to the web with a content-first perspective. Building Responsive Data Visualization for the Web provides strategies for teams of any size or skill set, so you can quickly start:

- Thinking responsively from the beginning of any project
- Working with the fundamental principles of responsive web design
- Adapting current data strategies to responsive workflows
- Using HTML to build and JavaScript® to enhance
- Designing visualizations for any screen and any browser
- Getting comfortable with D3.js and CSS code

Contents:
Intro0duction xxv

Part ONE: Creating the Responsive Web
1 The Mobile Web 3
How We Got Here 4
The Web’s History 5
The Rise of Mobile Devices 8
The Mobile Tipping Point 10
The Mobile Web Today 13
Mobile Web Considerations 13
Benefits of the Mobile Web 15
Building for the Most Users 17
Mobile Web Design 17
The Way To Build Today 18
A Taste of Progressive Enhancement 20
Summary 23
2 Responsive Web Design Tenets 25
The Gist 26
Responding to Data 258
Know Your Audience 259
Know Your Data 260
Summary 261
8 Thinking Small 263
Designing for the Smallest Canvas: No Canvas 264
Building for a Blind User 266
The Good API 269
The API-First Team 278
The Tiny Canvas 279
The Fitness App 279
Layering 283
Enhancing Efficiently 285
Growing Up 286
First, Change Everything 287
They’re Just Numbers 290
Summary 291
9 Asset Dependence 293
Dynamic Data 294
Dipping Your Toe In 294
Data versus Screen 298
Reacting to Data Changes 301
Tying Visualization to Screens 308
Grouping Again 309
Summary 312
Try It 313
10 Code-Driven Visualization 315
Unknown Inputs and Outputs 316
To the User 317
To the Data 317
Putting It Together 320
Index 397

Ordering:

Order Online - http://www.researchandmarkets.com/reports/3387186/

Order by Fax - using the form below

Order by Post - print the order form below and send to

Research and Markets,
Guinness Centre,
Taylors Lane,
Dublin 8,
Ireland.
Fax Order Form
To place an order via fax simply print this form, fill in the information below and fax the completed form to 646-607-1907 (from USA) or +353-1-481-1716 (from Rest of World). If you have any questions please visit http://www.researchandmarkets.com/contact/

Order Information
Please verify that the product information is correct.

Product Name: Building Responsive Data Visualization for the Web
Web Address: http://www.researchandmarkets.com/reports/3387186/
Office Code: SCPLYNTS

Product Format
Please select the product format and quantity you require:

<table>
<thead>
<tr>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hard Copy (Paper back):</td>
</tr>
</tbody>
</table>

* Shipping/Handling is only charged once per order.

Contact Information
Please enter all the information below in BLOCK CAPITALS

Title: [ ] Mr [ ] Mrs [ ] Dr [ ] Miss [ ] Ms [ ] Prof
First Name: __________________________ Last Name: __________________________
Email Address: * __________________________
Job Title: __________________________
Organisation: __________________________
Address: __________________________
City: __________________________
Postal / Zip Code: __________________________
Country: __________________________
Phone Number: __________________________
Fax Number: __________________________

* Please refrain from using free email accounts when ordering (e.g. Yahoo, Hotmail, AOL)
Payment Information

Please indicate the payment method you would like to use by selecting the appropriate box.

☐ Pay by credit card: You will receive an email with a link to a secure webpage to enter your credit card details.

☐ Pay by check: Please post the check, accompanied by this form, to:
Research and Markets,
Guinness Center,
Taylors Lane,
Dublin 8,
Ireland.

☐ Pay by wire transfer: Please transfer funds to:
Account number 833 130 83
Sort code 98-53-30
Swift code ULSBIE2D
IBAN number IE78ULSB98533083313083
Bank Address Ulster Bank,
27-35 Main Street,
Blackrock,
Co. Dublin,
Ireland.

If you have a Marketing Code please enter it below:

Marketing Code: ____________________________

Please note that by ordering from Research and Markets you are agreeing to our Terms and Conditions at http://www.researchandmarkets.com/info/terms.asp

Please fax this form to:
(646) 607-1907 or (646) 964-6609 - From USA
+353-1-481-1716 or +353-1-653-1571 - From Rest of World