General principles

• Simple is better
  – Content over form
  – Text before images

• Look at others’ source

• Be satisfied with what you get
Good

Ingo Ruczinski

contact
research
publications
my official bio
software

Department of Biostatistics

Neil Inga

Not so good
About html

• html = hypertext markup language

• Like LaTeX
  – Plain text files
  – Marked up to indicate content (e.g., italics surrounded by <i> and </i>)
  – The browser interprets the marks to form the page

• A good book:

At Hopkins Biostat

On www.biostat.jhsph.edu
  (a.k.a. biosun01.biostat.jhsph.edu):

~ → /home/html/kbroman

Website structure

- index.html or default.htm
- public_html/publications
  /presentations
  /personal
  /teaching
  /posters
  /software

Basic marks

<h1> ... <h5> Headers of different sizes
<p> Start paragraph
<br> Line break
<hr> Horizontal rule
Marks can take arguments

```html
<p align="left">
<p align="right">
<p align="center">
</p></p></html>
```

A basic page

```html
<html>
<head><title>My example page</title>
</head>
<body>
<h2>This is an example page</h2>
<p>I can write a bunch of stuff here.
And then create a new paragraph.<br>
Or I can just start a new line.

<hr>
<p align="right"><font size=2>Small stuff on the right</font>
</p></body>
</html>
```
As seen in the browser

This is an example page

I can write a bunch of stuff here.
And then create a new paragraph.
Or I can just start a new line.

Links

<a href="http://www.biostat.jhsph.edu/~kbroman">My home page</a>

<a href="publications">My publications</a>

<a href="publications/mypaper.pdf">pdf (200k)</a>
Images

<a href="myphoto.jpg">A link to a picture</a>

<img src="myphoto.jpg" alt="A description">

Fonts, etc.

<font color="red">Make this red.</font>

<b>This will be bold</b> but this won't be.

<i>This will be in italics</i> but not this.
In the browser

Example 2

Make this red.

This will be bold but this won’t be.

This will be in italics but not this.

Lists

<p>An ordered list:</p>
<ol>
<li>The first item.</li>
<li>The second item.</li>
</ol>

<p>An unordered list with gaps between items:</p>
<ul>
<li>The first item.</li>
<li>The second item.</li>
<li>The third item.</li>
</ul>
In the browser

Example 3

An ordered list:
1. The first item.
2. The second item.

An unordered list with gaps between items:
- The first item.
- The second item.
- The third item.

More lists

<p>Fancier list:</p>
<ol>
  <li>The first item.
      <ol type="a">
        <li>Sub item one.</li>
        <li>Sub item two.</li>
      </ol>
  </li>
  <li>The second item.</li>
</ol>
In the browser

Example 4

Fancier list:

1. The first item.
   a. Sub item one.
   b. Sub item two.
2. The second item.

Tables

<table noborder cellpadding=3 cellspacing=3>
  <tr><td><b>Col 1</b></td><td><b>Col 2</b></td><td><b>Col 3</b></td></tr>
  <tr><td>The second row</td><td>More here</td><td>Yet more</td></tr>
  <tr height=20><td>&nbsp; <!-- That's a space --></td><td>Row after a gap</td></tr>
  <tr><td colspan=2>Here's a bunch of stuff covering two columns.</td></tr>
</table>
In the browser

Example 5

<table>
<thead>
<tr>
<th>Col 1</th>
<th>Col 2</th>
<th>Col 3</th>
</tr>
</thead>
<tbody>
<tr>
<td>The second row</td>
<td>More here</td>
<td>Yet more</td>
</tr>
</tbody>
</table>

Row after a gap. Here's a bunch of stuff covering two columns.

A few more points

- I often use `<td valign="top">` in tables to get things to line up properly.
- I often include extra empty columns to put bigger gaps between the non-empty columns.
- Sometimes I need to put a `&nbsp;` in a cell to get my empty columns to work.
- You can use `<td width=10%>` or `<td width=15>` to refer to width relative to the browser or in pixels.
- The `<table>` tag can also take a width argument.
Cascading style sheets

• Make it easier to have a consistent style on all of your web pages.

• Create a file like "myformat.css" containing various information about font types, sizes, and colors and such. (Or use someone else’s file.)

• Include a reference to it in each html file.

kbroman.css

BODY {color: black; background-color: #ffe; font-family: arial; font-size: 14px}

H1 {color: #039; font-family: arial; font-size: 25px}
H2 {color: #039; font-family: arial; font-size: 22px}
H3 {color: #039; font-family: arial; font-size: 17px}
H4 {color: #039; font-family: arial; font-style: italic; font-size: 14px; font-weight: normal}
H4.indent {color: #039; font-family: arial; font-style: italic; font-size: 14px; font-weight: normal; margin-left: 14px}
H5 {font-family: arial; font-size: 10px}
A {color: #90C; text-decoration: none}
A:link {color: #90C; text-decoration: none}
A:visited {color: #90C; text-decoration: none}
And more

The top of my page

<html><head>
<title>Karl W Broman</title>
<meta name="description" content="Home page of Karl Broman, Associate Professor of Biostatistics at Johns Hopkins University">
<link rel=stylesheet type="text/css" href="kbroman.css">
</head>
<body>
<p class=noindent>