

html

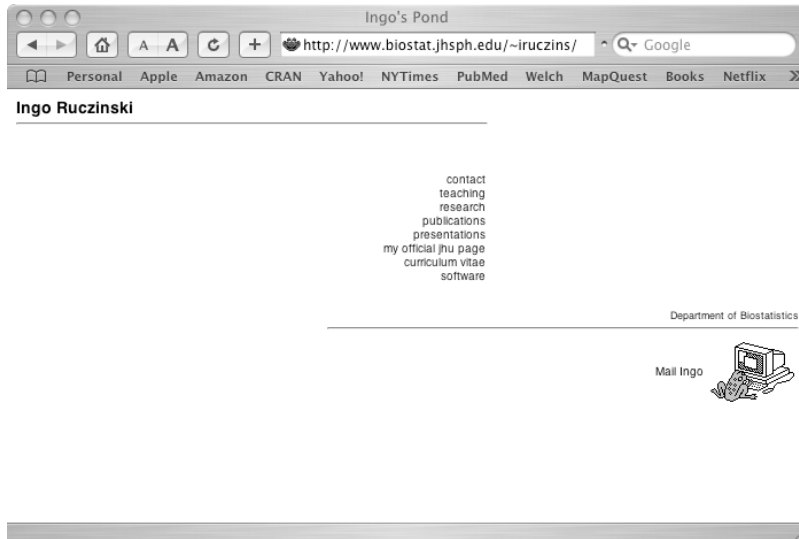
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<http://www.biostat.jhsph.edu/~kbroman>

General principles

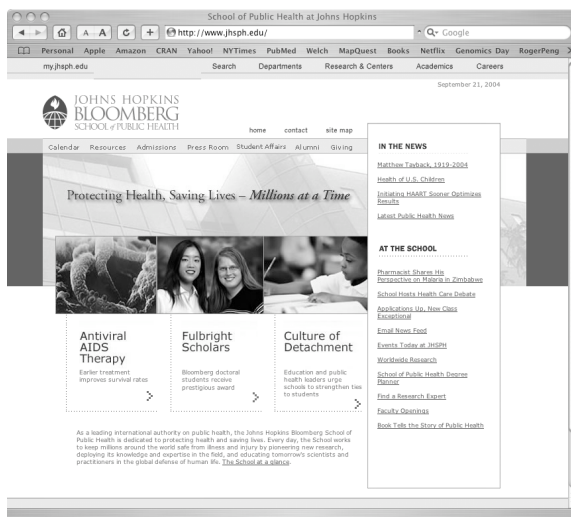
- Simple is better
 - Content over form
 - Text before images
- Look at others' source
- Be satisfied with what you get

Good



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Not so good



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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:
 - Musciano & Kennedy (2002) *Html and xhtml: the definitive guide*, 5th edition. O'Reilly.

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At Hopkins Biostat

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

`~` → `/home/html/kbroman`

`~/public_html` → `/home/html/kbroman/public_html`

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Website structure

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

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Basic marks

<code><h1> ... <h5></code>	Headers of different sizes
<code><p></code>	Start paragraph
<code>
</code>	Line break
<code><hr></code>	Horizontal rule

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Marks can take arguments

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

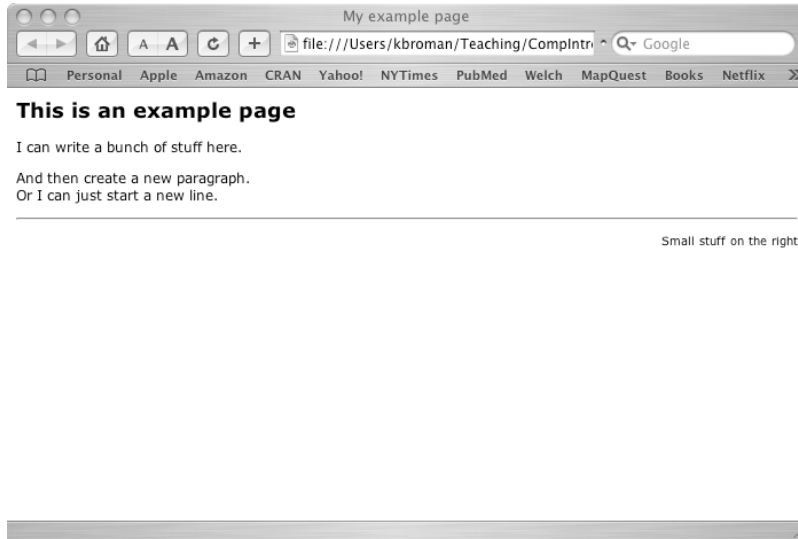
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A basic page

```
<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.  
<p>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>  
  
</body></html>
```

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As seen in the browser



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="myphoto.jpg" alt="A description">
```

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Fonts, etc.

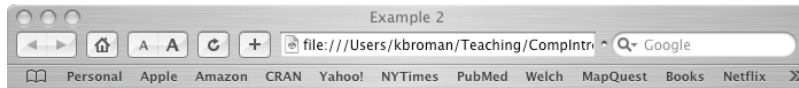
```
<font color="red">Make this red.</font>
```

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

```
<i>This will be in italics</i> but not this.
```

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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.

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Lists

<p>An ordered list:

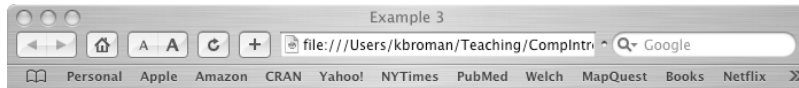
```
<ol>
  <li>The first item.
  <li>The second item.
</ol>
```

<p>An unordered list with gaps between items:

```
<ul>
  <li>The first item.</li><p>
  <li>The second item.</li><p>
  <li>The third item.</li>
</ul>
```

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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.

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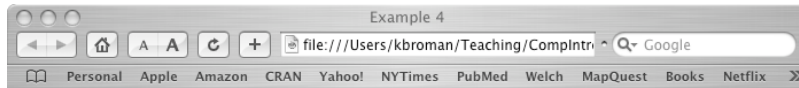
More lists

<p>Fancier list:

```
<ol>
  <li>The first item.
    <ol type="a">
      <li>Sub item one.
      <li>Sub item two.
    </ol>
  <li>The second item.
</ol>
```

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In the browser



Example 4

Fancier list:

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

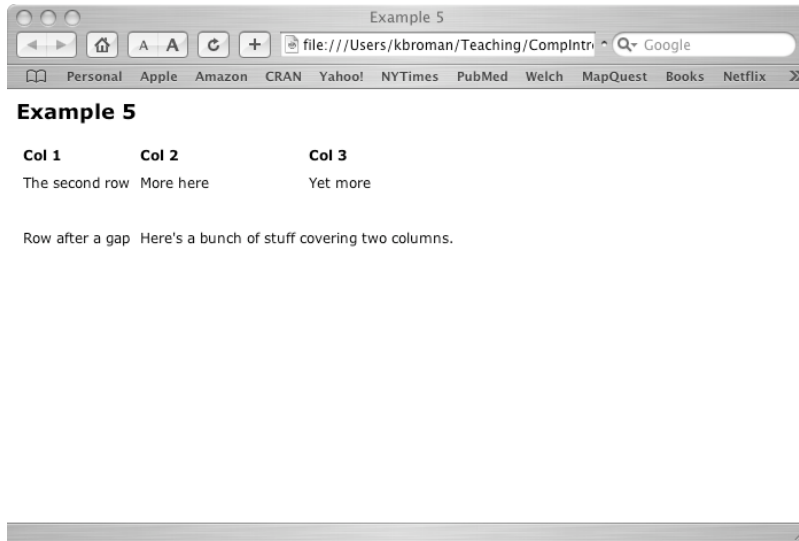
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Tables

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

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In the browser



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 ` ` 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.

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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}
```

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And more

```
P.vlarge {font-family: arial; font-size: 20px}
P.large {font-family: arial; font-size: 17px; margin-left:
  14px}
P.lgnoindent {font-family: arial; font-size: 17px; margin-left:
  0}
P.noindent {font-family: arial; font-size: 14px; margin-left:
  0}
P.small {font-family: arial; font-size: 10px; margin-left: 0}
P {color: black; font-family: arial; font-size: 14px; margin-
  left: 14px}
CODE {color: blue; font-family: courier; font-size: 14px}
CODE.large {color: blue; font-family: courier; font-size: 17px}
  margin-left: 14px}
PRE {color: blue; font-family: courier; font-size: 14px}
PRE.indent {color: blue; font-family: courier; font-size:
  14px; margin-left: 28px}
```

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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>
```

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