



D3 SCALES & AXES

Data Mappings

SCALES

width = 400px

Monthly Sales

May, \$6,900

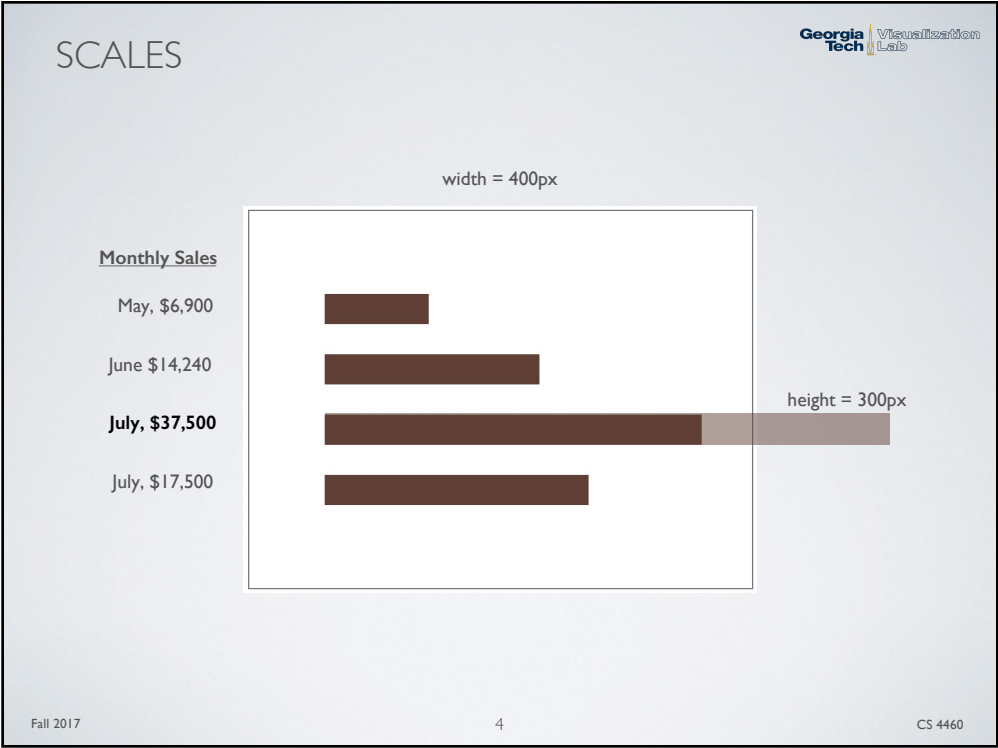
June \$14,240

July, \$25,000

July, \$17,500



height = 300px



SCALES

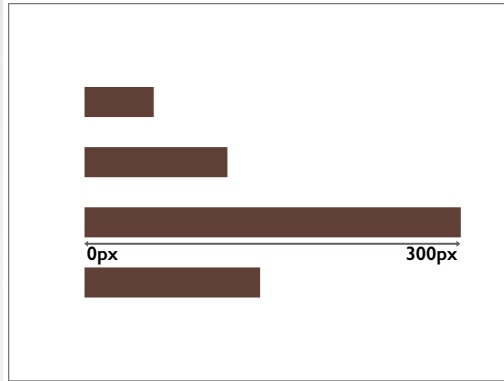
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SCALES

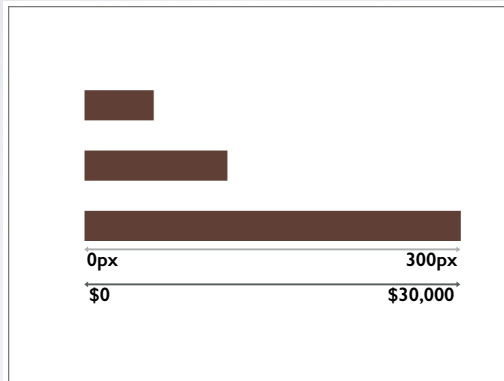
Monthly Sales

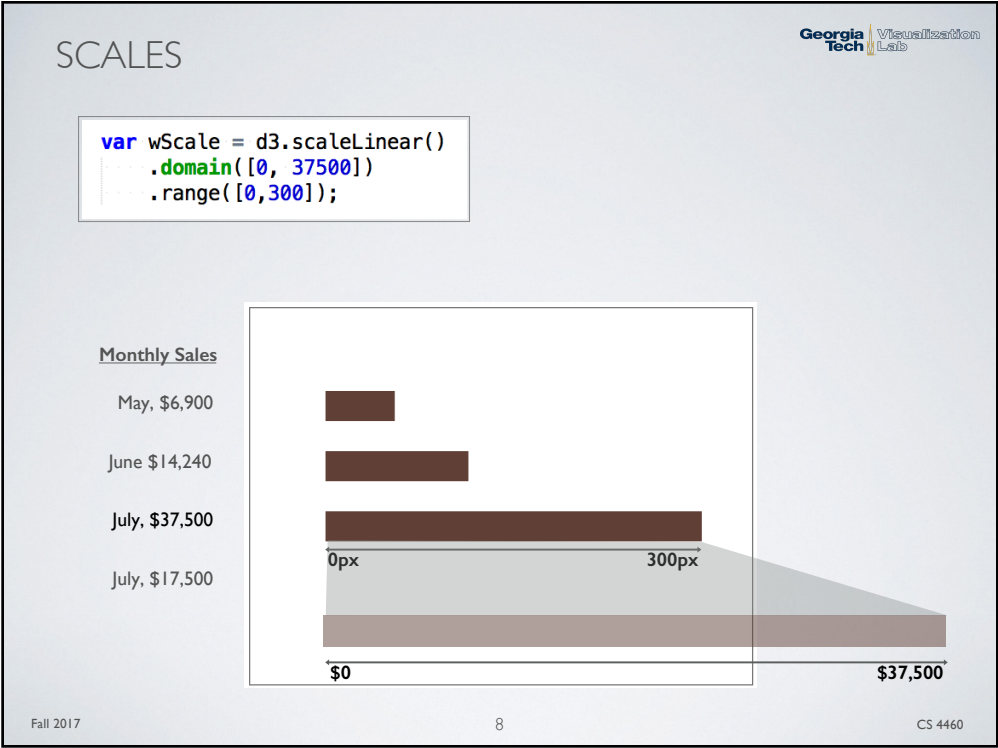
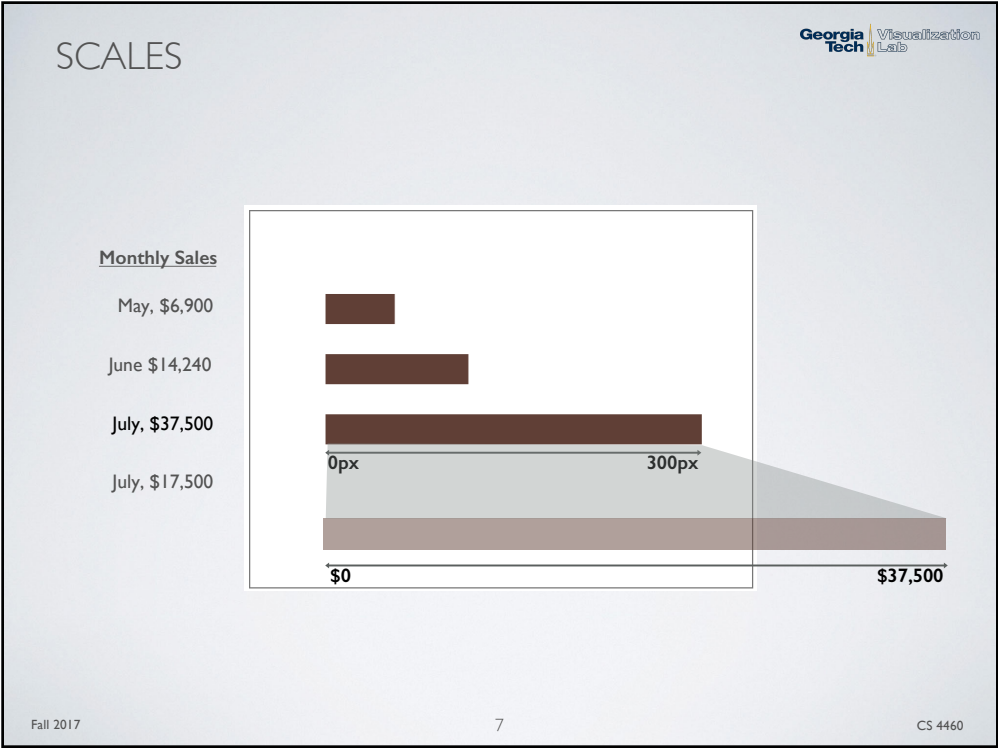
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SCALES Georgia Tech Visualization Lab

```
var wScale = d3.scaleLinear()
  .domain([0, 37500])
  .range([0, 300]);
```

```
wScale(14240);
// Returns 113.92
wScale(37500);
// Returns 300
```

Monthly Sales

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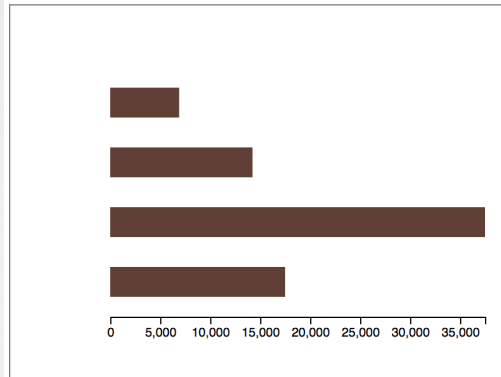
AXES

```
var wAxis = d3.axisBottom(wScale).ticks(6);

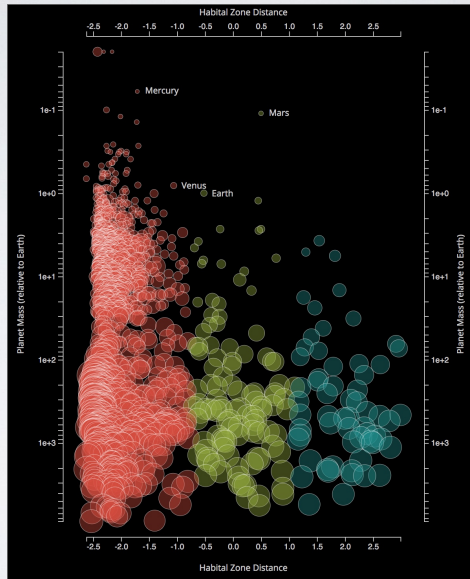
svg.append('g')
  .attr('class', 'x axis')
  .attr('transform', 'translate(80,250)')
  .call(wAxis);
```

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TODAY'S ACTIVITY



LAB PROCEDURE

Before Class

- Read Chapters 7 and 8 - *Interactive Data Visualization for the Web* by Scott Murray
- *Git pull* example code (<https://github.gatech.edu/CS-4460/Labs.git>)

In-Class

- Open Lab 4 instruction page (<https://github.gatech.edu/CS-4460/Labs/wiki>)
- Work through activities
- ★ First thing, start a simple http server with python at 04_lab directory

After Class

- If you run out of time, finish all lab activities
- Lab Solutions will be posted Saturday night
- P1 Out Today - **Due Oct. 20 (Next Friday)**