

Bellevue University

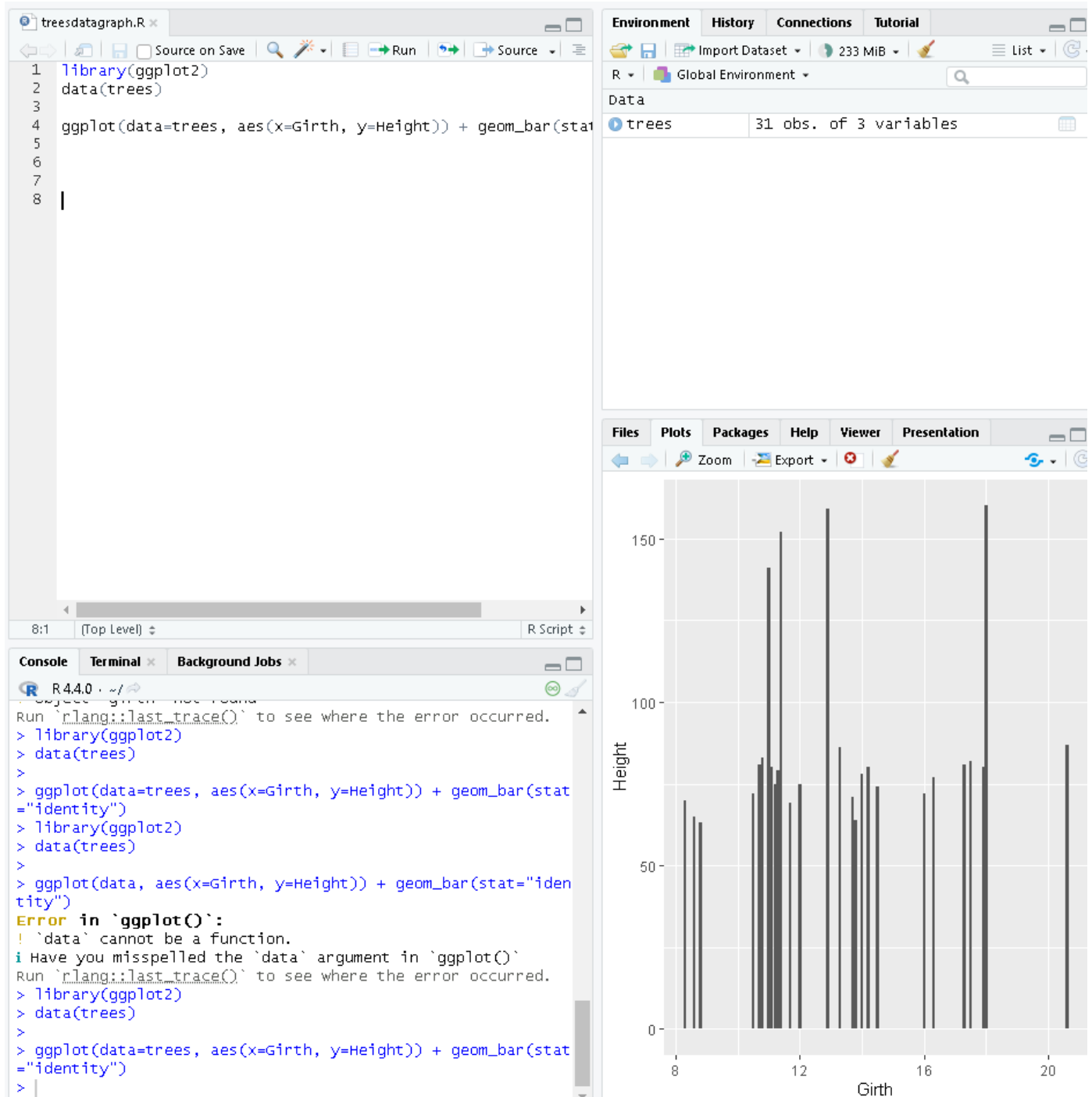
## M2 – Graphing

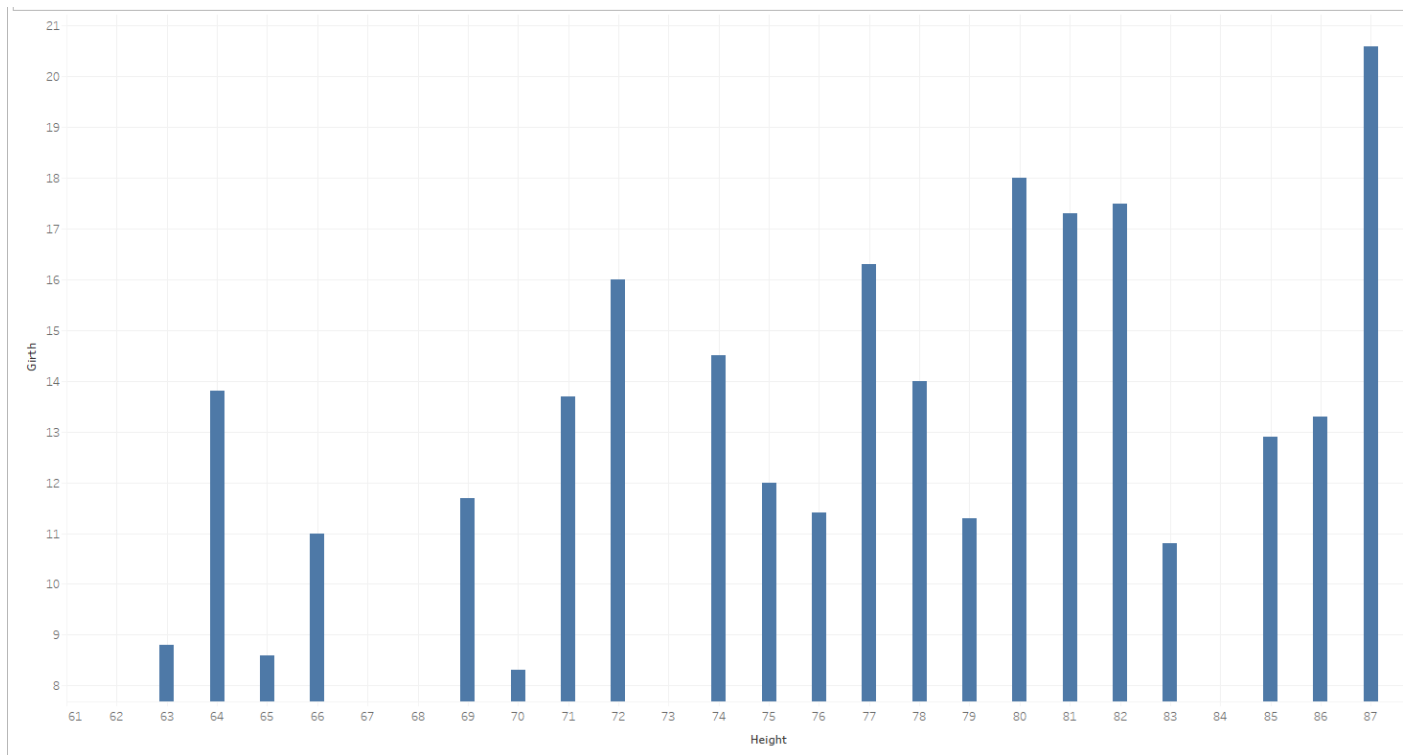
Timothy Jelinek

DSC310-T301

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## Vertical Bar Charts





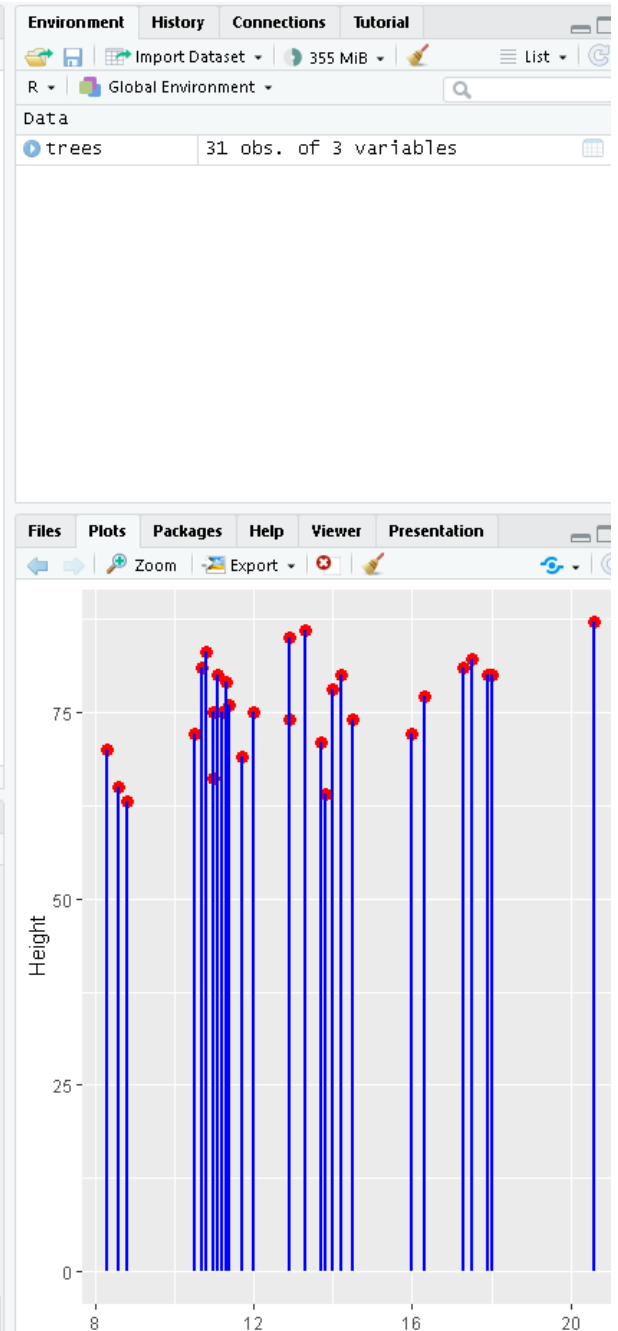
## Lolipop Graphs

```
treesdatagraph.R x
1 library(ggplot2)
2 data(trees)
3
4 ggplot(data=trees, aes(x=Girth, y=Height)) + geom_point(
5   color = "red", size=3) + geom_segment(aes(xend=Girth,
6   yend=0), color="blue", size=1)
7
8 |
```

8:1 (Top Level) R Script

Console Terminal Background Jobs

```
R 4.4.0 ~ /
> library(ggplot2)
> data(trees)
>
> ggplot(data=trees, aes(x=Girth, y=Height)) + geom_point(co
  lor = "red", size=3) + geom_segment(aes(xend=Girth, yend=0),
  color="blue", size=3) + theme_minimal() + labs(x = "Girth", y
  ="Height", title="Lolipop Chart: Tree Heights by Girth")
> library(ggplot2)
> data(trees)
>
> ggplot(data=trees, aes(x=Girth, y=Height)) + geom_point(co
  lor = "red", size=3) + geom_segment(aes(xend=Girth, yend=0),
  color="blue", size=1) + theme_minimal() + labs(x = "Girth", y
  ="Height", title="Lolipop Chart: Tree Heights by Girth")
> library(ggplot2)
> data(trees)
>
> ggplot(data=trees, aes(x=Girth, y=Height)) + geom_point(co
  lor = "red", size=3) + geom_segment(aes(xend=Girth, yend=0),
  color="blue", size=1)
```



## Heatmap

```
treesdatagraph.R x
1 library(ggplot2)
2 data(trees)
3
4 trees_matrix <- as.matrix(trees[, c("Girth", "Height")])
5
6 heatmap(trees_matrix, Rowv = NA, Colv = NA, col = heat
7 .colors(10), scale="column")
8
9
10 |
```

10:1 (Top Level) R Script

Console Terminal Background Jobs

```
R 4.4.0 ~/  
> trees_matrix <- as.matrix(trees[, c("Girth", "Height")])  
>  
> heatmap(trees_matrix, Rowv = NA, Colv = NA, col = heat.col  
ors(10), scale = "column")  
Error in match.arg(scale) :  
'arg' should be one of "row", "column", "none"  
> library(ggplot2)  
> data(trees)  
>  
> trees_matrix <- as.matrix(trees[, c("Girth", "Height")])  
>  
> heatmap(trees_matrix, Rowv = NA, Colv = NA, col = heat.col  
ors(10))  
> library(ggplot2)  
> data(trees)  
>  
> trees_matrix <- as.matrix(trees[, c("Girth", "Height")])  
>  
> heatmap(trees_matrix, Rowv = NA, Colv = NA, col = heat.col  
ors(10), scale="column")  
> |
```

Environment	History	Connections	Tutorial
R	Global Environment	374 MiB	List
Data			
trees	31 obs. of 3 variables		
trees_matrix	num [1:31, 1:2] 8.3 8.6 8.8 10....		

Files Plots Packages Help Viewer Presentation

Zoom Export

