

Topic: Lovely Labels with Paste in R!

 , **sas**, & More!



Welcome to Today's Lecture!

Today's Lecture

- Paste command in R
- How does it work?
What is the syntax?
- Bigger picture: How is it used in data analytics?

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Why is paste so important in R?

- The paste command is the main way you concatenate text together
- You need it to create labels
 - Such a formatted label could be printed in a header of a report (with the date, report number, etc.)
 - Such a label could also be used on a plot to label data points with text.
- Paste can use all types of input to concatenate a label which can be saved as a vector or a variable in a dataframe

Resources

Blog post with Github link

<https://dethwench.com/the-paste-command-in-r-for-making-labels/>

Video demonstrating basic paste:

https://youtu.be/kV4TXLb_jQ0

Video demonstrating more complex concatenation in pages:

<https://youtu.be/cARe1zpEW64>



Using Pasted (concatenated) labels in plots



You can also add the labels and the groups at the same time and remove the legend if needed.

```
# install.packages("treemapify")
library(treemapify)
# install.packages("ggplot2")
library(ggplot2)

ggplot(df, aes(area = value, fill = group,
               label = paste(group, value, sep = "\n"))) +
  geom_treemap() +
  geom_treemap_text(colour = "white",
                   place = "centre",
                   size = 15) +
  theme(legend.position = "none")
```

- From R-Charts at: <https://r-charts.com/part-whole/treemapify/>
- Notice how the paste command is called on-the-fly to place the word “Group” before the number of the group, separated by a carriage return



Questions?

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