

Assigment 3

Duygu Karımış

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```
install.packages("ggplot2")

## Installing package into '/cloud/lib/x86_64-pc-linux-gnu-library/4.5'
## (as 'lib' is unspecified)

library(ggplot2)

install.packages("treemapify")

## Installing package into '/cloud/lib/x86_64-pc-linux-gnu-library/4.5'
## (as 'lib' is unspecified)

library(treemapify)

salary <- data.frame(
  position = c("Data Analyst", "Data Analyst", "Data Analyst", "Data Analyst",
               "Data Engineer", "Data Engineer", "Data Engineer", "Data Engineer",
               "Data Scientist", "Data Scientist", "Data Scientist"),
  experience = c("Junior", "Executive", "Intermediate", "Senior",
                 "Junior", "Executive", "Intermediate", "Senior",
                 "Junior", "Intermediate", "Senior"),
  mean_salary = c(4293623, 9548340, 5705070, 8905628,
                  4689309, 19534312, 6841836, 10903873,
                  4402653, 6527813, 12171827))

ggplot(salary, aes(area = mean_salary,
                   fill = experience,
                   label = position,
                   subgroup = experience,
                   subgroup2 = position)) +
  geom_treemap() +
  geom_treemap_text(colour = "black",
                   place = "centre",
                   size = 15)+
  geom_treemap_subgroup_border(colour = "black",
                              size = 9) +
  geom_treemap_subgroup2_border(colour = "white",
                                size = 2) +
  geom_treemap_subgroup_text(place = "bottom",
                             size = 10,
                             grow = TRUE,
                             alpha = 0.25,
                             colour = "black",
                             fontface = "italic")
```

