

Average Salary by Department

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```
#My lovely scripts!
unoSalaryByDept <- unoSalary[,c(1:5)]
count_empl <- unoSalaryByDept %>% count(Department)
unoSalaryByDept <- unoSalaryByDept %>% group_by(Employee) %>% summarise(Budgeted..Annual.Salary = sum(Bu
## `summarise()` has grouped output by 'Employee'. You can override using the '.groups' argument.

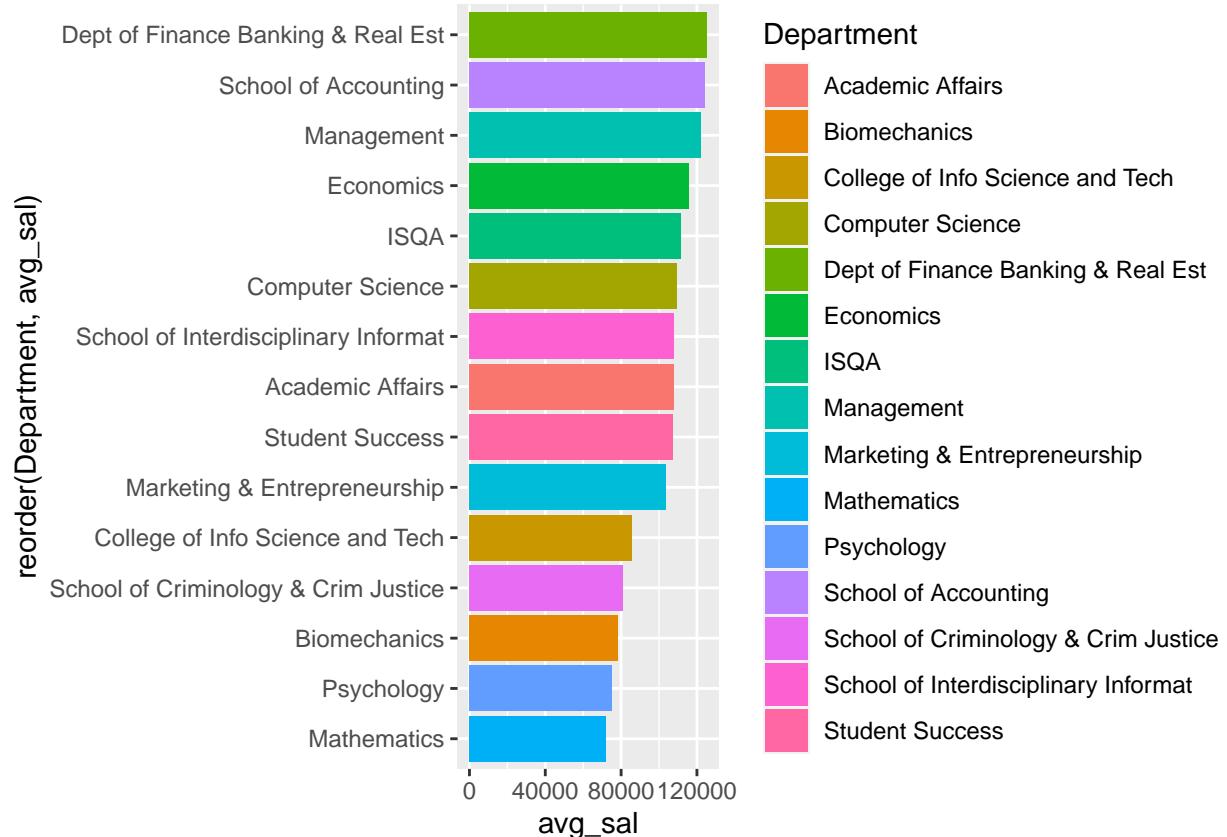
unoSalaryByDeptWithAvg <- unoSalaryByDept %>%
  group_by(Department) %>%
  summarise_at(vars(Budgeted..Annual.Salary), list(avg_sal = mean))
unoSalaryByDeptWithAvg$EmployeeCount <- count_empl[,2]

UN0departmentData <- unoSalaryByDeptWithAvg[order(unoSalaryByDeptWithAvg$avg_sal, decreasing = T),]
UN0departmentData <- UN0departmentData[which(UN0departmentData$EmployeeCount>=15),]

top10_avgsal <- top_n(UN0departmentData, 15, UN0departmentData$avg_sal)

beans <- within(top10_avgsal,
  avg_sal <- factor(avg_sal,
    levels=names(sort(table(avg_sal),
      decreasing=TRUE)))) 

plot <- (ggplot(top10_avgsal, aes(x = reorder(Department, avg_sal), y = avg_sal, fill = "red2")) + geom
plot <- (ggplot(top10_avgsal, aes(x = reorder(Department, avg_sal), y = avg_sal, fill = Department)) + g
plot
```

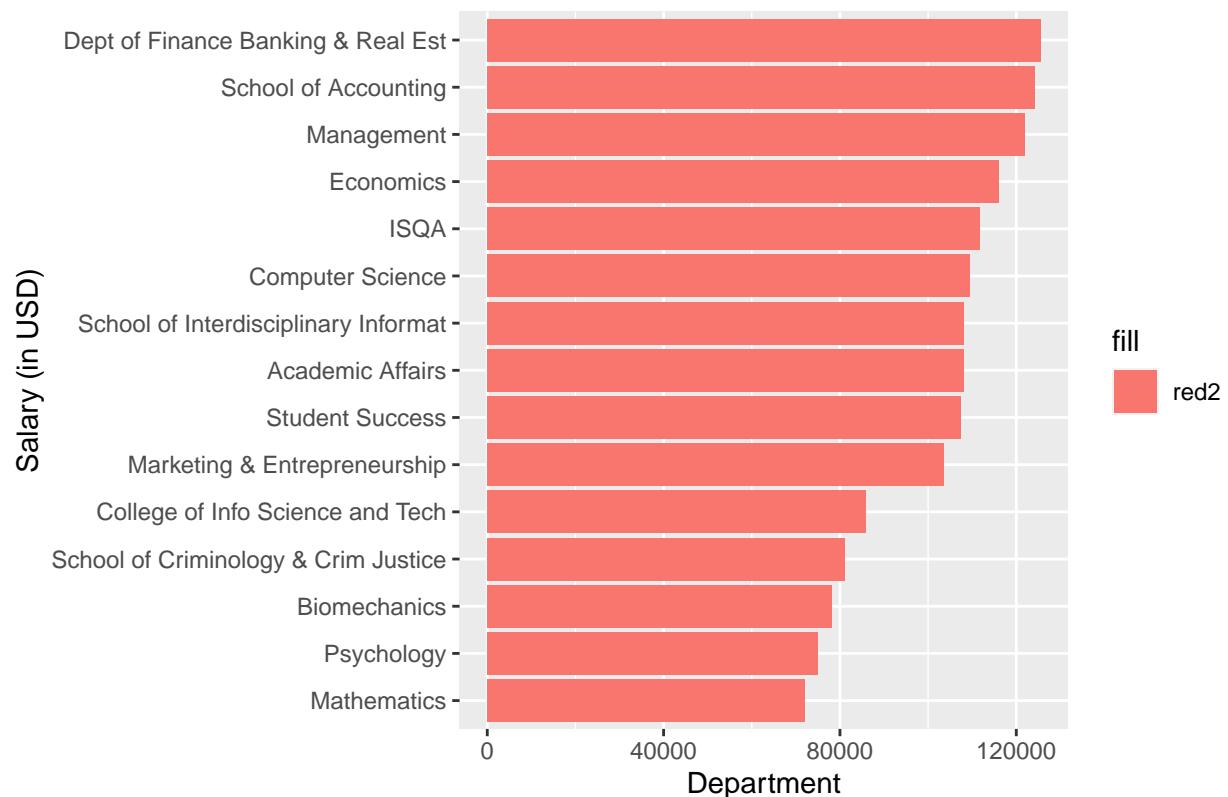


```
plot <- (ggplot(top10_avgsal, aes(x = reorder(Department, avg_sal), y = avg_sal, fill = "red2")) + geom_bar(stat = "identity"))

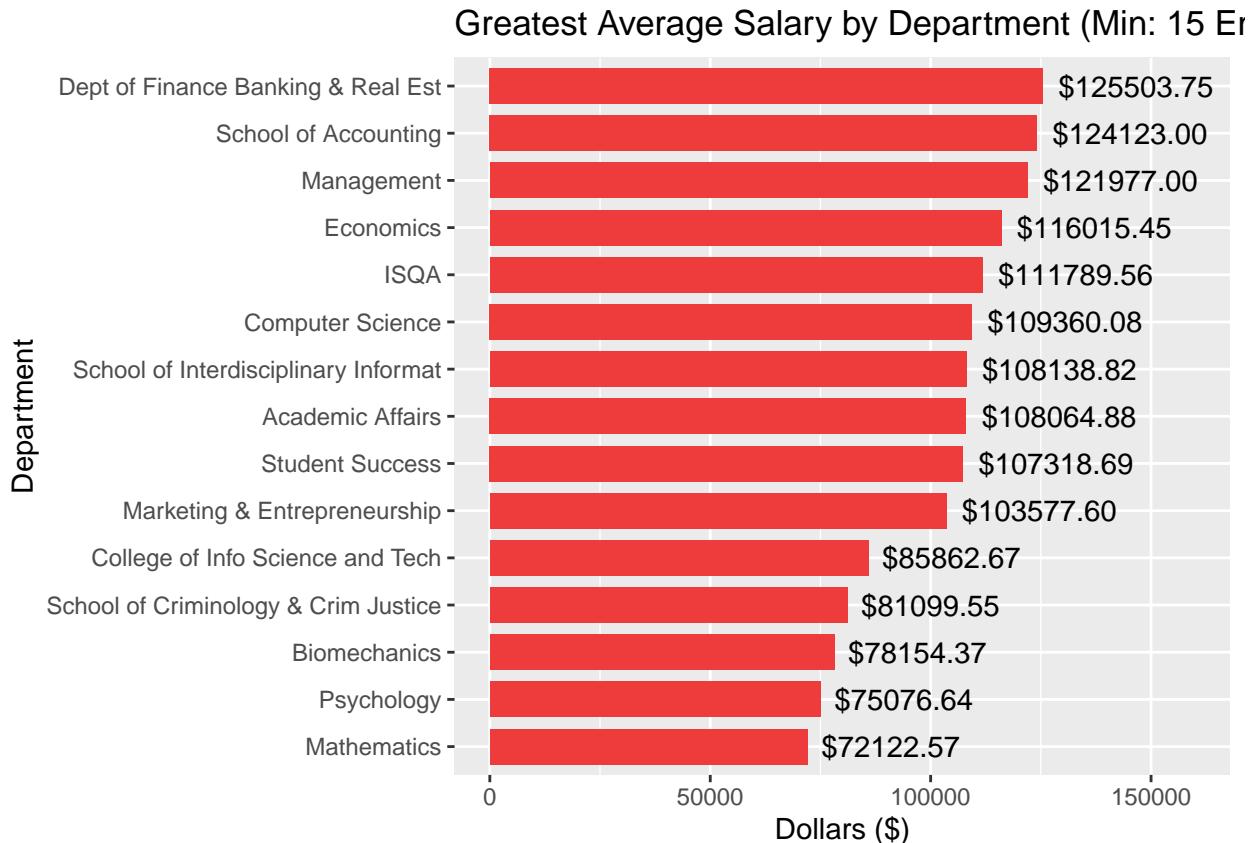
plot1 <- (ggplot(top10_avgsal, aes(x = reorder(Department, avg_sal), y = avg_sal)) + geom_bar(stat = "identity"))

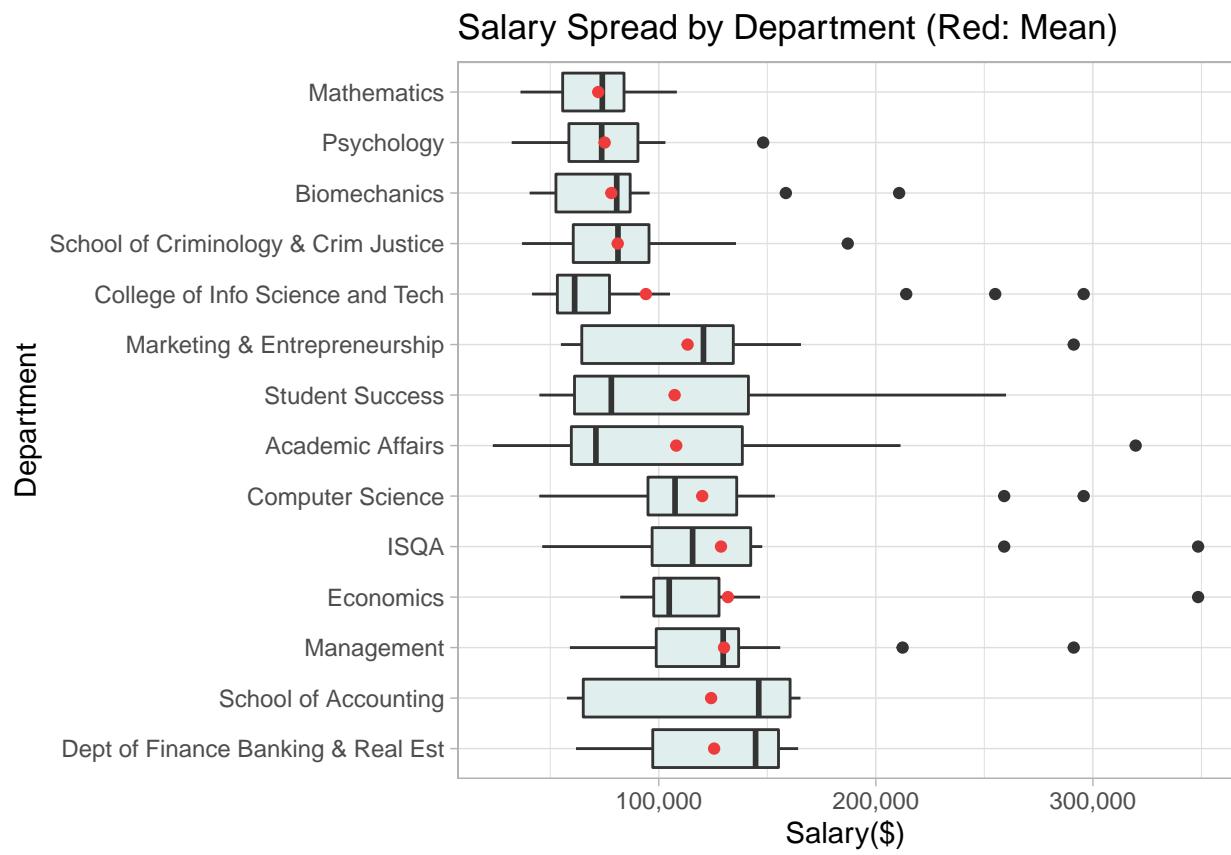
plot
```

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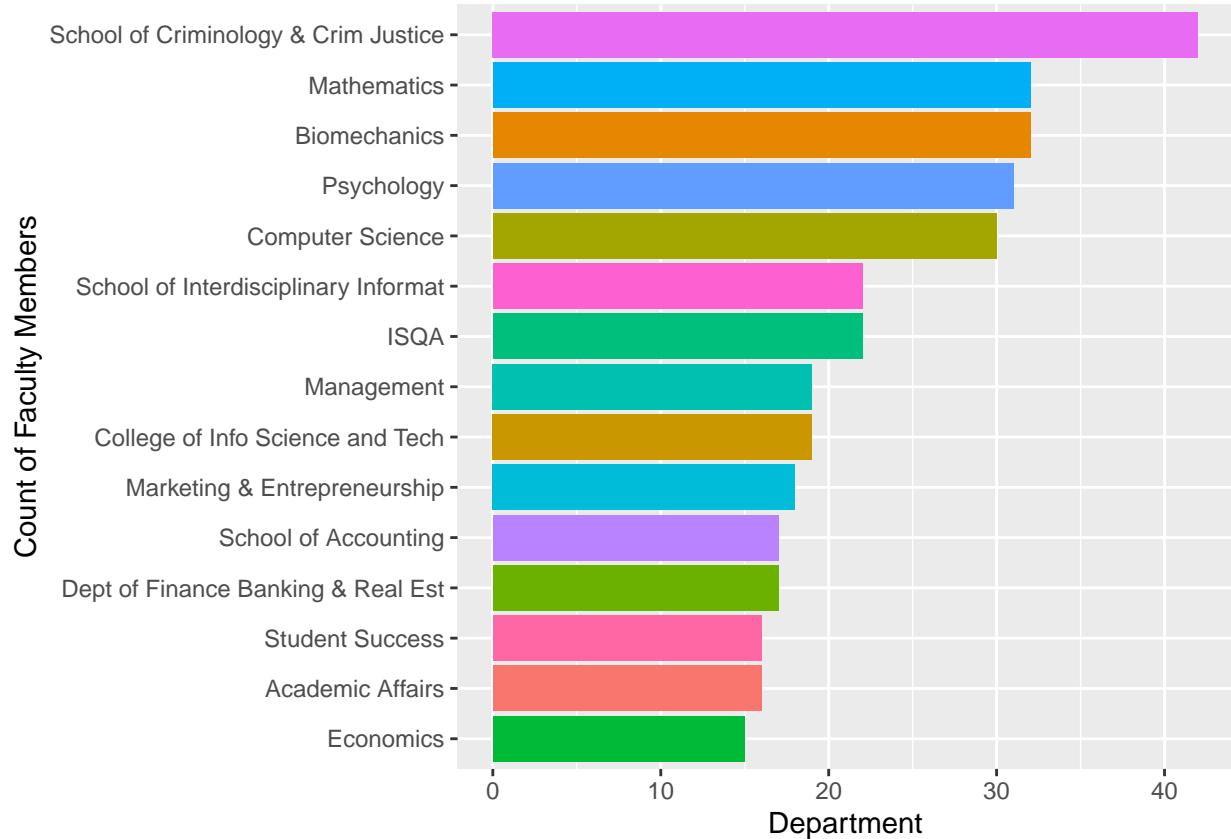


plot1





```
(ggplot(top10_avgsal, aes(x = reorder(Department, EmployeeCount), y = EmployeeCount, fill = Department))
```



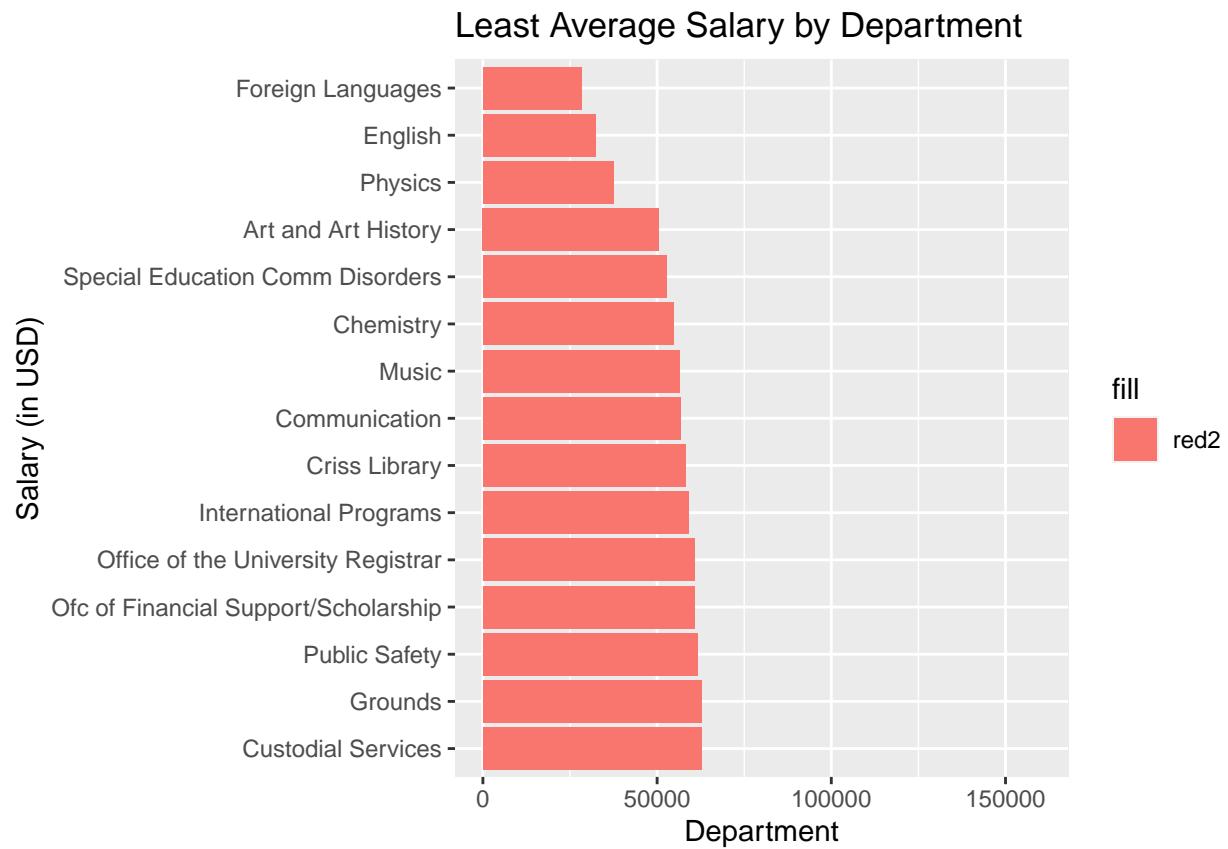
```
UN0departmentData <- UN0departmentData[which(UN0departmentData$EmployeeCount>=15),]

last10_avgsal <- top_n(UN0departmentData, -15, UN0departmentData$avg_sal)

plot <- (ggplot(last10_avgsal, aes(x = rev(reorder(Department, avg_sal)), y = avg_sal, fill = "red2")) + geom_bar(stat = "identity"))

plot1 <- (ggplot(last10_avgsal, aes(x = rev(reorder(Department, avg_sal)), y = avg_sal)) + geom_bar(stat = "identity"))

plot
```



plot1

Least Average Salary by Department (Min: 15 Employees)

