Info

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Skills

- 熟练使用 Window 操作系统, 了解 Linux 操作系统. 两年 Ubuntu 操作系统使用经验.
- 熟练使用 Excel, 包括 Excel 的常用函数, Excel 的数据透视表.
- 熟练使用 Word, PowerPoint.
- 熟练使用 R, SPSS, Python.
- 熟练使用 R 进行数据的清理，包括
  - 长格式与宽格式的转化,
  - 日期值处理,
  - 字符数据处理,
    通过写 R 脚本, 并在批处理环境下运行, 往往可以高效地处理数据.
- 熟练使用 R 的 ggplot2 完成数据可视化工作.
- 熟练使用 SQL 语言.
- 熟练使用 R 完成假设检验, 差异分析, 回归分析, 时间序列分析.
- 了解 Shiny Server, 能够搭建 Shiny Server. 如果公司有意向搭建 Shiny Server, 那么那些周期性地去制作的表格将可以以 web 形式, 可视化地, 交互地展现.
- 了解 tex 语言, 此文档使用 tex 语言编写. 一个简单的报告的样本在https://github.com/catRat/CV/blob/master/gamereport.pdf.

Education Experience

2013-2017	河池学院, 应用统计学, 专业课程是概率论和数理统计
2000-2013	广西百色民族高级中学

Work Experience

2017 至今, 鸿安货运代理集团深圳 office 价格运营部文员, 主要职责是完成船东航线价格数据库的更新, booking report 报表和 volum report 报表的制作.

Present

我目前还在公司的岗位中, 公司的岗位交接需要 1 个月的时间. 现在的我积极考虑换工作.

Code Show

利用 R 的数据结构和工具, 我能够高效地完成往往需要 VBA 才能完成的工作. 以下为为了完成某一数据处理工作而写的 R 脚本, 欢迎阅读.

```
GetCode <- function(x = 'cosco') {
  # Change the carrier name to carrier
  # code-name.
  s <- c()
  for(i in seq(x)) {
  s[i] <- switch((x[i]),
    APL = "APLU",
    CMA = "CMDU",
    COSCO = "COSU",
    EMC = "EGLV",
    HMM = "HDMU",
    HPL = "HLCU",
    MSK = "MAEU",
    MSC = "MSCU",
    OOCL = "OOLU",
    PIL = "PABV",
    SML = "SMLM",
    HBS = "SUDU",
    WHL = "WHLC",
    YML = "YMLU",
    ZIM = "ZIMU",
    ONE = "ONEY",
    cat(x[i], "is not a recognized type\n")
    )
  }
  return(s)
}


GetId <- function(x = 'COSU') {
  # Change the carrier code-name to
  # contract id.
  s <- c()
  for(i in seq(x)) {
    s[i] <- switch((x[i]),
      APLU = "EB18/1668",
      CMDU = "18-0807",
      COSU = "ATN18888",
      EGLV = "SC71586",
      HDMU = "1817202",
```

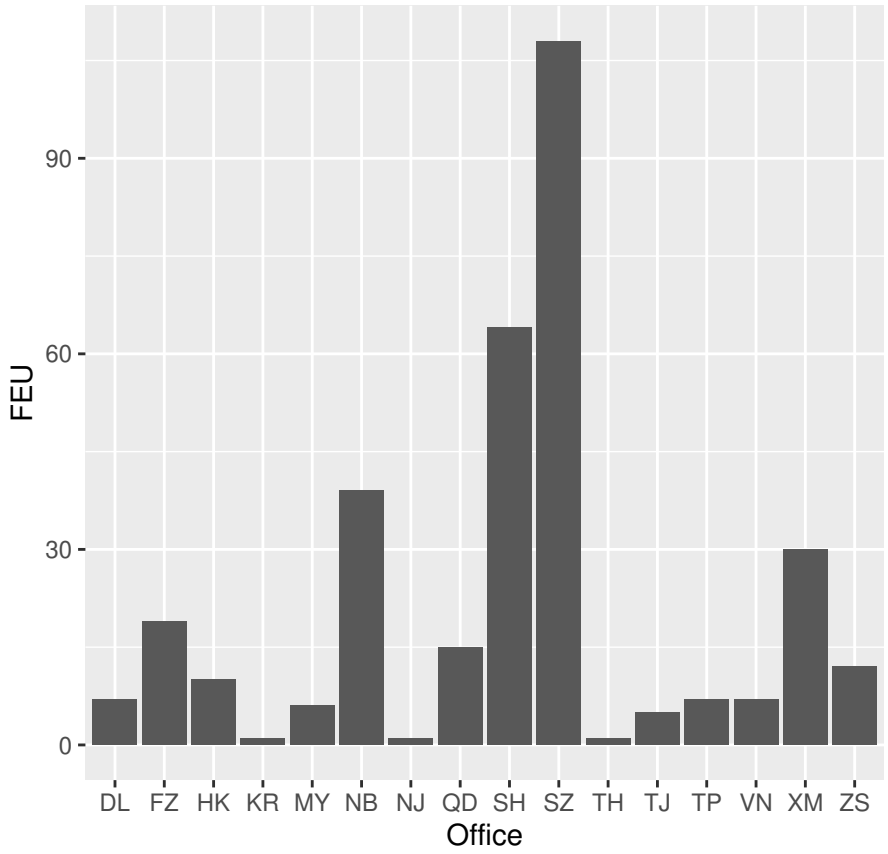
```
      HLCU = "S18ANC119",
      MAEU = "37238211",
      MSCU = "18-218TPC",
      OOLU = "PE184717",
      PABV = "ANO170044",
      SMLM = "AEF182888",
      SUDU = "LHKC8000027",
      WHLC = "YTN18-164N",
      YMLU = "651518",
      ZIMU = "Z18462HK",
      ONEY = "SHAN00006",
      cat(x[i], "is not a recognized type\n")
    )
  }
  return(s)
}

Select <- function(x, id, set) {
  # selcet dataframe by charactor
  j <- which(names(x) == id)
  selecter <- FALSE
  for(i in seq(set)) {
    selecter <- x[, j] == set[i] | selecter
  }
  return(x[which(selecter),])
}

# Version: 6 -- 'black cat'
# Author: Mingdong Zhou
# Encoding: utf-8
# The goal is to finish the task that
# update the price per carrier per line to catapalt system.
# It need two input,
# both there path name must be fixed, one is carrier.csv
# another is rate.csv.
# The carrier.csv format must be one data element one line
# and the rate.csv must be do not have variable name.
library(readr)
library(writexl)
source('GetCode.R')
source('GetId.R')
source('Select.R')
name <- scan("carrier.csv", what = "charatar")
name <- name[which(!duplicated(name))]
name <- toupper(name)
codeName <- GetCode(name)
contractId <- GetId(codeName)
rate <- read_csv("rate.csv", col_names = FALSE)
names(rate)[c(7, 8, 10)] <- c("Carrier", "ETD", "X20GP")
rate$Carrier <- as.character(rate$Carrier)
```

```
rate <- Select(rate, id = "Carrier", set = codeName)
rate$ETD <- as.character(rate$ETD)
rate$ETD <- as.Date(rate$ETD, "%m/%d/%Y")
rate$ETD[rate$ETD < Sys.Date()] <- Sys.Date()
rate$ETD <- as.character(rate$ETD, "%m/%d/%Y")
len <- 10:13
rate[, len] <- round(rate[, len])
rm(len)
ContractId <- c()
for(i in seq(dim(rate)[1])) {
  for(r in seq(codeName)) {
    if((rate$Carrier[i]) == codeName[r]) {
       ContractId[i] <- contractId[r]
    }
  }
}
rm(i, r)
rate$ContractId <- ContractId
rate$idetification <-
  rep(paste("SPRC", format(Sys.Date(), "%y%m%d"), sep = ""),
    dim(rate)[1])
rate <- rate[c(18, 1:4, 7:9, 15:17, 10:13)]
rate <- rate[!duplicated(rate), ]
rate <- rate[which(!is.na(rate$X20GP)), ]
write.csv(rate, "update.csv", row.names = FALSE)
keyWord <- paste(codeName, contractId, sep = "_")
write.csv(keyWord, "keyword.csv", row.names = FALSE)
cat("Done! Outing in file keyword.csv and update.csv\n",
  date())
rm(list = ls())
```

Graph Show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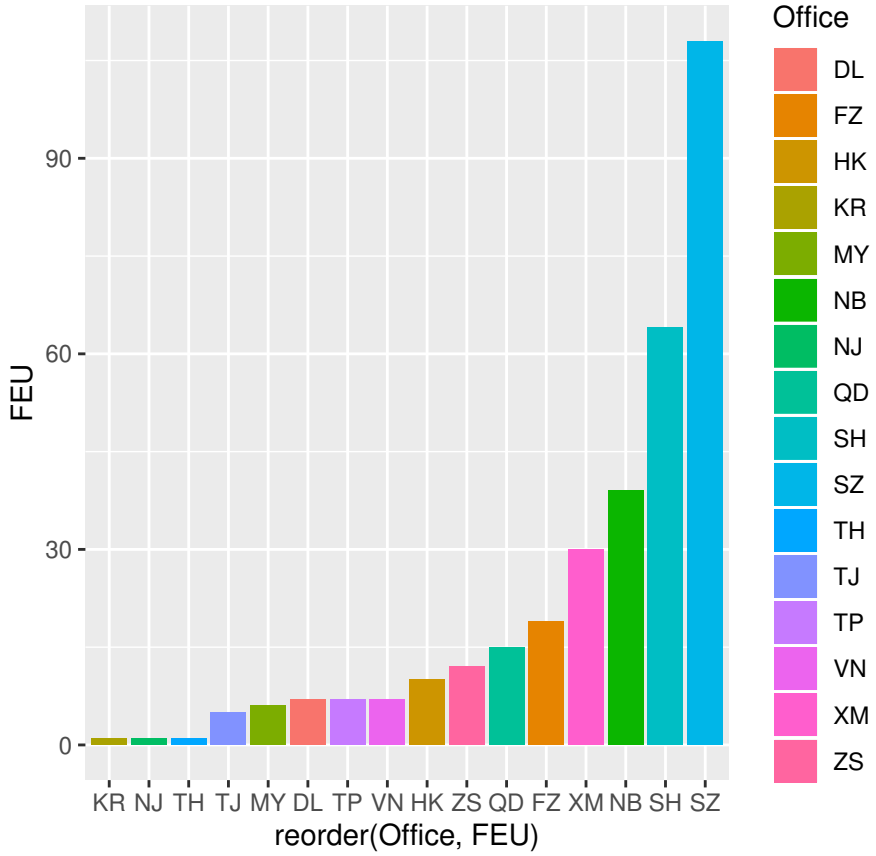
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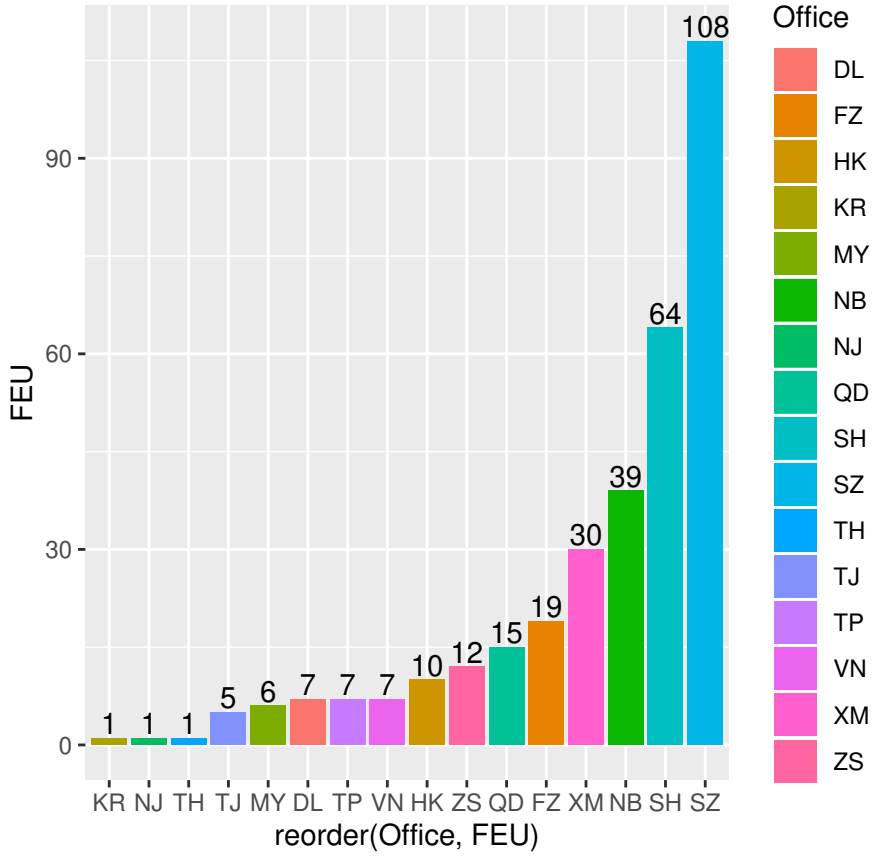
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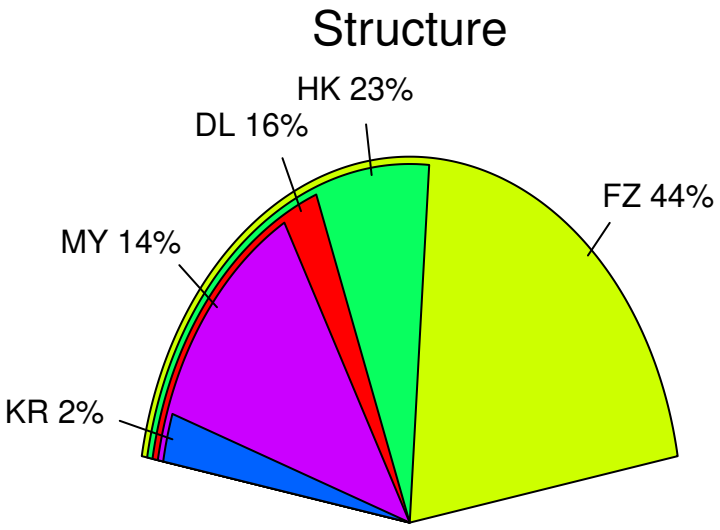
Structure
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