Info

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Skill

- 熟练使用 Window 操作系统, 了解 Linux 操作系统.
- 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.
- 熟练使用 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,
- 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.

Education

2013-2017　河池学院, 应用统计学
2000-2013　广西省百色民族高级中学

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.

Code

```
GetCode <- function(carrier.name = 'cosco') {
  # This function use to change the carrier short name to carrier code-name.
  # It have a argument carrier.name that is a object of vector class, and character type.
```

```
  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(carrier.code = 'COSU') {
  # This function use to change the carrier code-name to contract id.
  # It have a argument carrier.code that is a object of vector class, and character type.
  # The element of carrier.code much be up letter.
  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)
}

Name <- function(x, col_nammer = NA, names = NA) {
i <- names(x)
i[col_namer] <- names
names(x) <- i
return(x)
}

# 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
# orther is rate.csv
# the carrier.csv format must be one data element one line
# the rate.csv must be do not have variable name
# the object rate is a main dataframe
library(readr)
library(writexl)
source('ifunc.R')
# import data
name <- scan("carrier.csv", what = "charatar")
rate <- read_csv("rate.csv", col_names = FALSE)
name <- name[which(!duplicated(name))]
name <- toupper(name)
# use function
codeName <- GetCode(name)
updateContractId <- GetId(codeName)
# name variable for rate
rate <-
  Name(rate, col_nummer = c(7, 8, 10),
    names = c("Carrier", "Effective.Date", "X20GP"))
# task 1, select the relation where
# the carrier need to update the price for them line
handOfSelect <- FALSE
for(i in seq(name)) {
  handOfSelect <-
    as.character(rate$Carrier) == codeName[i] |
```

```
      handOfSelect
}
rate <- rate[which(handOfSelect), ]
rm(handOfSelect)
rm(i)
# task 2, Date value task, thr rule is:
# if the Effective.Date is small than today,
# make it equal today
# When import rate.csv, the Effective.Date is a factor in rate,
# turn it to Date by turn it to character
# After the task is done, turn it to character
rate$Effective.Date <- as.character(rate$Effective.Date)
rate$Effective.Date <- as.Date(rate$Effective.Date, "%m/%d/%Y")
rate$Effective.Date[rate$Effective.Date < Sys.Date()] <-
  Sys.Date()
rate$Effective.Date <-
  as.character(rate$Effective.Date, "%m/%d/%Y")
# avoid the risk of appear litter point
len <- 10:13
rate[, len] <- round(rate[, len])
rm(len)
# task3, add a variable name contractId to dataframe,
# the rule is that add contractId
# to realation codeName
contractId <- c()
for(i in seq(dim(rate)[1])) {
  for(r in seq(codeName)) {
    if(as.character(rate$Carrier[i]) == codeName[r]) {
       contractId[i] <- updateContractId[r]
    }
  }
}
rm(i, r)
rate$contractId <- contractId
# task 4, add a variable who name is
# updateIdentification to dataframe,
# SPRC mean south .. of china
rate$idetification <-
  rep(paste("SPRC", format(Sys.Date(), "%y%m%d"), sep = ""),
    dim(rate)[1])
# order variable of rate and lastest titing
rate <- rate[c(18, 1:4, 7:9, 15:17, 10:13)]
rate <- rate[!duplicated(rate), ]
rate <- rate[which(!is.na(rate$X20GP)), ]
# a object who for serching in capatale system serch interface
keyWord <- paste(codeName, updateContractId, sep = "_")
```

```
# output
write.csv(keyWord, "keyword.csv", row.names = FALSE)
write.csv(rate, "update.csv", row.names = FALSE)
# message to stdout
cat("Done! Outing in file keyword.csv and update.csv\n",
  date())
rm(list=ls())
```