

# 01-Create-yaml

## R Markdown - Create YAML files for Bioc2022 website

### STEPS

- Original input file is google excel <https://docs.google.com/spreadsheets/d/1tGtGffcbCRxQFjE3ej42IcWlN4FJCsuQeZvETt9g0oA/edit#gid=0>
- Export this file as TSV. Save file in “input” folder.
- NOTE - For the “time” column, set format to custom “hh:mm” (IMPORTANT)
- Import TSV file into R. Run the code
- Output files generated in “yaml\_output” folder name

### import TSV file

```
schedule <- read.csv(file = "input/Schedule_for_website.tsv",
                     sep = "\t", stringsAsFactors = F,
                     na.strings = "")

#use "" instead of NAs
scheduleBlank <- schedule #make copy
scheduleBlank[is.na(scheduleBlank)] <- ""
```

### loop through each entry in the input file. While loop for easy debugging

```
iCount = 1
while(iCount <= nrow(scheduleBlank)) {
  #print(paste("iCount=", iCount))

  oneRow <- scheduleBlank[iCount, ] #one row

  ## get file name ready
  fileNameSpace <- paste(oneRow$day, "_",
                        oneRow$time, "_",
                        oneRow$session_type, "_",
                        oneRow$paper,
                        ".yaml",
                        sep = " ")

  #replace space and semi-colon by underscore
  fileNameFinal <- str_replace_all(string = fileNameSpace,
                                   pattern = c(" |:"),
                                   replacement = "_")

  #loop through each columns to create the yaml file
  iCount2 = 1
  while(iCount2 <= ncol(oneRow)) {
    #print(paste("iCount2=", iCount2))
```

```

# write key value pair into file
oneValueName <- names(oneRow)[iCount2]
oneValue <- paste("\"",unlist(oneRow[iCount2]), "\"", sep = "")

#write to file for the first time. Create new file
if (iCount2 == 1) {
  #create file , no append
  line <- paste(oneValueName, ": ", oneValue, sep = "")
  write.table(line, col.names = FALSE, row.names = FALSE,
              file = paste("yaml_output/",
                          fileNameFinal, sep=""),
              append = FALSE,
              quote = FALSE, )

} else {
  #append to existing file
  line <- paste(oneValueName, ": ", oneValue, sep = "")
  write.table(line, col.names = FALSE, row.names = FALSE,
              file = paste("yaml_output/",
                          fileNameFinal, sep=""),
              append = TRUE,
              quote = FALSE)
} # end of else

iCount2 <- iCount2 + 1
} #end of inside loop

iCount <- iCount + 1
} # end of outside loop

```