

AGENDA - MACHINE LEARNING

Machine Learning (DSC 305) Spring 2023

- Download `clean.R` from GitHub (bit.ly/nb_clean)
- Run the file on the shell (`M-x eshell`) as a batch job¹:

```
R CMD BATCH clean.R
ls -al .RData
```

- Load the `.RData` file in your current R session and check that packages and user-defined objects were loaded:

```
load(".RData")
search()
ls()
```

```
[1] ".GlobalEnv"      "ESSR"      "package:stats"
[4] "package:graphics" "package:grDevices" "package:utils"
[7] "package:datasets" "package:stringr"   "package:httr"
[10] "package:methods"  "Autoloads"        "package:base"
[1] "all_msg"          "all_msg_chars"
[3] "api_key"          "ask_chatgpt"
[5] "chardonnay_corpus" "chardonnay_df"
[7] "chardonnay_m"      "chardonnay_src"
[9] "chardonnay_tdm"    "chardonnay_vec"
[11] "clean_chardonnay"  "clean_chardonnay_corpus"
[13] "clean_coffee"      "clean_coffee_corpus"
[15] "coffee_corpus"    "coffee_df"
[17] "coffee_src"       "coffee_vec"
[19] "color_pal"        "ham"
[21] "load_packages"    "m"
[23] "sms_corpus"        "sms_corpus_clean"
[25] "sms_corpus_no_numbers" "sms_dtm"
[27] "sms_dtm_test"      "sms_dtm_train"
[29] "sms_dtm2"          "sms_raw"
[31] "sms_test_labels"   "sms_train_labels"
[33] "spam"              "spam_ham"
[35] "spam_ham_prop"     "spam_ham_prop_2"
[37] "stops"             "string"
[39] "stringX"           "term_frequency"
[41] "terms_vec"         "tokens"
[43] "word_freq"
```

- If we don't finish with a session, save your data from now on:

```
save.image(file=".RData")
shell("ls -al .RData")
```

```
-rwx-----+ 1 Birkenkrahe LYONNET+Group(513) 3246618 Mar 31 10:47 .RData
```

- Now: continue with your practice file `5_naive_bayes_practice.org` after adding the next (and final) chapters from here: bit.ly/nb_final

Footnotes:

¹ It is possible that the existence of an `.RData` file converts warnings about packages you're trying to load into errors, which stops the packages from being loaded. In this case *erase* the `.RData` file and restart R.

Author: MARCUS BIRKENKRAHE (pledged)

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