

COMP828 Assignment

Semester 1 2024

STUDENT NAME
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04 April 2024

Q1 Load & extract the data

Download the csv file

```
library(tidyverse)
sales_all <- read_csv("COMP828_sales_data.csv")
```

Q2 Explore the sales data

- a) Date range**
- b) Number of stores**
- c) Total price**
- d) Discussion about total price**

Q3 Analysis of monthly sales data

- a) **Compute monthly sales**
- b) **Plot of monthly sales**
- c) **Discussion about monthly sales**

Q4 Analysis of store performance

- a) **Compute total sales per store**
- b) **Plot of total sales per store**
- c) **Additional performance metric (rename this section)**
- d) **Plot of additional performance metric (rename this section)**
- e) **Discussion of store performance**

A Appendix: R Environment

```
format(Sys.time(), '%d %B %Y')
```

```
## [1] "04 April 2024"
```

```
sessionInfo()
```

```
## R version 4.3.0 (2023-04-21 ucrt)
## Platform: x86_64-w64-mingw32/x64 (64-bit)
## Running under: Windows 11 x64 (build 22631)
##
## Matrix products: default
##
## locale:
## [1] LC_COLLATE=English_United States.utf8
## [2] LC_CTYPE=English_United States.utf8
## [3] LC_MONETARY=English_United States.utf8
## [4] LC_NUMERIC=C
## [5] LC_TIME=English_United States.utf8
##
## time zone: Pacific/Auckland
## tzcode source: internal
##
## attached base packages:
## [1] stats      graphics  grDevices  utils      datasets  methods   base
##
## other attached packages:
## [1] lubridate_1.9.2 forcats_1.0.0  stringr_1.5.0  dplyr_1.1.2
## [5] purrr_1.0.2    readr_2.1.4    tidyr_1.3.0    tibble_3.2.1
## [9] ggplot2_3.5.0  tidyverse_2.0.0 knitr_1.44
##
## loaded via a namespace (and not attached):
## [1] bit_4.0.5      gtable_0.3.3    crayon_1.5.2    compiler_4.3.0
## [5] tidyselect_1.2.1 parallel_4.3.0  scales_1.3.0    yaml_2.3.7
## [9] fastmap_1.1.1  R6_2.5.1        generics_0.1.3  munsell_0.5.0
## [13] pillar_1.9.0   tzdb_0.4.0      rlang_1.1.1     utf8_1.2.3
## [17] stringi_1.7.12 xfun_0.40       bit64_4.0.5     timechange_0.2.0
## [21] cli_3.6.1      withr_2.5.0     magrittr_2.0.3  digest_0.6.33
## [25] grid_4.3.0     vroom_1.6.3     rstudioapi_0.15.0 hms_1.1.3
## [29] lifecycle_1.0.3 vctrs_0.6.3     evaluate_0.21   glue_1.6.2
## [33] fansi_1.0.4    colorspace_2.1-0 rmarkdown_2.25  tools_4.3.0
## [37] pkgconfig_2.0.3 htmltools_0.5.6
```