

R

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[forecast](#)[<https://pkg.robjhyndman.com/forecast/>]
[R](#) [bookdown](#)[<https://bookdown.org/>] [Rstudio](#) , [R](#)
[tidyverse](#)[<https://www.tidyverse.org/>] [R code](#) ([>](#) [+](#)) ,
[console](#) [##](#) .
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```
depart <- scan("https://raw.githubusercontent.com/yjyjpark/TS-with-R/main/Data/depart.txt")
```

[R](#) .

```
sessionInfo()
```

```
## R version 4.2.1 (2022-06-23 ucrt)
## Platform: x86_64-w64-mingw32/x64 (64-bit)
## Running under: Windows 10 x64 (build 22621)
##
```

```

## Matrix products: default
##
## locale:
## [1] LC_COLLATE=Korean_Korea.utf8
## [2] LC_CTYPE=Korean_Korea.utf8
## [3] LC_MONETARY=Korean_Korea.utf8
## [4] LC_NUMERIC=C
## [5] LC_TIME=Korean_Korea.utf8
##
## attached base packages:
## [1] stats      graphics  grDevices  utils      datasets
## [6] methods   base
##
## other attached packages:
## [1] expsmoother_2.3  fma_2.4          forecast_8.18
## [4] fpp2_2.4         forcats_0.5.2    stringr_1.4.1
## [7] dplyr_1.0.10     purrr_0.3.5      readr_2.1.3
## [10] tidyr_1.2.1      tibble_3.1.8     ggplot2_3.3.6
## [13] tidyverse_1.3.2
##
## loaded via a namespace (and not attached):
## [1] tseries_0.10-52  httr_1.4.4
## [3] jsonlite_1.8.3   modelr_0.1.9
## [5] assertthat_0.2.1 TTR_0.24.3
## [7] googlesheets4_1.0.1 cellranger_1.1.0
## [9] yaml_2.3.6       pillar_1.8.1
## [11] backports_1.4.1  lattice_0.20-45
## [13] glue_1.6.2       quadprog_1.5-8
## [15] digest_0.6.30    rvest_1.0.3
## [17] colorspace_2.0-3  htmltools_0.5.3
## [19] timeDate_4021.106 pkgconfig_2.0.3
## [21] broom_1.0.1      haven_2.5.1
## [23] bookdown_0.29    scales_1.2.1

```

```

## [25] tzdb_0.3.0          googledrive_2.0.0
## [27] generics_0.1.3      ellipsis_0.3.2
## [29] withr_2.5.0         urca_1.3-3
## [31] nnet_7.3-17         cli_3.4.1
## [33] quantmod_0.4.20     magrittr_2.0.3
## [35] crayon_1.5.2        readxl_1.4.1
## [37] evaluate_0.17       fs_1.5.2
## [39] fansi_1.0.3         nlme_3.1-157
## [41] xts_0.12.2          xml2_1.3.3
## [43] tools_4.2.1         hms_1.1.2
## [45] gargle_1.2.1        lifecycle_1.0.3
## [47] munsell_0.5.0       reprex_2.0.2
## [49] compiler_4.2.1      rlang_1.0.6
## [51] grid_4.2.1          rstudioapi_0.14
## [53] rmarkdown_2.17      gtable_0.3.1
## [55] fracdiff_1.5-1      curl_4.3.3
## [57] DBI_1.1.3           R6_2.5.1
## [59] zoo_1.8-11          lubridate_1.8.0
## [61] knitr_1.40          fastmap_1.1.0
## [63] utf8_1.2.2          stringi_1.7.8
## [65] parallel_4.2.1      Rcpp_1.0.9
## [67] vctrs_0.5.0         dbplyr_2.2.1
## [69] tidyselect_1.2.0    xfun_0.34
## [71] lmtest_0.9-40

```


1

Placeholder

1.1

1.2

1.2.1 ts

1.2.2

1.2.3 Seasonal

