

Cheat Sheet : dplyr functions



Command	Syntax	Description	Example
select	select()	select() function selects variables by their names.	select(sub_airline, c(month, dayofweek, reporting_airline, crsdepTime))
filter	filter()	filter() function screens out observations based on values.	sub_airline %>% filter(Month == 1) %>% group_by(Reporting_Airline) %>% summarize(avg_carrier_delay = mean(CarrierDelay, na.rm = TRUE))
%>% pipe operator	%>%	%>% pipe operator To combine functions, use the pipe operator. You can read the pipe operator as “then” in the function.	sub_airline <- airlines %>% filter(Origin == "LAX", Dest == "JFK", Cancelled != 1, Diverted != 1) %>% select(Month, DayOfWeek, FlightDate, Reporting_Airline, Origin, Dest, CRSDepTime, CRSArrTime, DepTime, ArrTime, ArrDelay, ArrDelayMinutes, CarrierDelay, WeatherDelay)
install package	install.packages("packagename")	install.packages is used to install the packages from the R library.	install.packages("tidyverse")
load package	library(packagename)	library() Load the package from R library.	library(tidyverse)
read_csv	read_csv(file)	read_csv() reads the csv file using readr package.	read_csv('airline_2m.csv')
download.file()	download.file(url, destfile, method, quiet = FALSE, mode = "w", cacheOK = TRUE, headers = NULL, ...)	download.file() to download the file locally using the download.file() function. url naming the URL of a resource to be downloaded. destfile a character string with the name where the downloaded file is saved.	download.file(url, destfile = "airline_2m.tar.gz")
head()	head(x)	head(x) function returns the first part of a vector, matrix, table, data frame or function.	head(sub_airline)
tail()	tail(x)	tail(x) function returns the last parts of a vector, matrix, table, data frame or function.	tail(sub_airline)
write_csv()	write.csv(x, file, traitsAsDir = FALSE, csv2 = TRUE, row.names = FALSE, ...)	write_csv() save summaries of partitioned breeding values to CSV files on disk for further analyses of processing with other software or just for saving (backing up) results. x object returned from function. file file name with or without .csv	write_csv(sub_airline, "lax_to_jfk.csv")

extension, e.g.file.csv
are valid.

traitsAsDir should
results be saved within
trait folders; the
construction is
file.path(dirname(file),
trait, basename(file));
folders are created if
they do not exist.

csv2 export using
write.csv2 or
write.csv.

glimpse() function
shows you the number
of rows and columns
in the dataset, and
each columnss name,
type, and data
preview.

glimpse()

glimpse(tbl, width =
getOption("width"))

glimpse(sub_airline)

tbl A data table

width defaults to the
width of the console.

Author(s)

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Changelog

Date	Version	Changed by	Change Description
2023-05-11	1.1	Eric Hao & Vladislav Boyko	Updated Page Frames
2021-08-05	1.0	Amrutha Rao	Initial Version