

Cheat Sheet : dplyr functions



Command	Syntax	Description	Example
select	<code>select()</code>	<code>select()</code> function selects variables by their names.	<code>select(sub_airline,c(month,dayofweek,reporting_airline,crsdepTime))</code>
filter	<code>filter()</code>	<code>filter()</code> function screens out observations based on values.	<code>sub_airline %>% filter(Month == 1) %>% group_by(Reporting_Airline) %>% summarize(avg_carrier_delay = mean(CarrierDelay, na.rm = TRUE))</code>
%>% pipe operator	<code>%>%</code>	<code>%>% pipe operator</code> To combine functions, use the pipe operator. You can read the pipe operator as “then” in the function.	<code>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)</code>
install package	<code>install.packages("packagename")</code>	<code>install.packages</code> is used to install the packages from the R library.	<code>install.packages("tidyverse")</code>
load package	<code>library(packagename)</code>	<code>library()</code> Load the package from R library.	<code>library(tidyverse)</code>
read_csv	<code>read_csv(file)</code>	<code>read_csv()</code> reads the csv file using readr package.	<code>read_csv('airline_2m.csv')</code>
download.file()	<code>download.file(url, destfile, method, quiet = FALSE, mode = "w",cacheOK = TRUE,headers = NULL, ...)</code>	<code>download.file()</code> 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.	<code>download.file(url, destfile = "airline_2m.tar.gz")</code>
head()	<code>head(x)</code>	<code>head(x)</code> function returns the first part of a vector, matrix, table, data frame or function.	<code>head(sub_airline)</code>
tail()	<code>tail(x)</code>	<code>tail(x)</code> function returns the last parts of a vector, matrix, table, data frame or function.	<code>tail(sub_airline)</code>

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 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.

```
write_csv(sub_airline,
"lax_to_jfk.csv")
```

glimpse()

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

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

width defaults to the width of the console.

```
glimpse(sub_airline)
```

Author(s)

Amrutha Rao

Changelog

Date	Version	Changed by	Change Description
2021-08-05	1.0	Amrutha Rao	Initial Version