Translating tidyverse to Matlab

Thursday, January 28, 2021   12:21 PM

https://www.mathworks.com/help/matlab/tables.html

Use Matlab "tables" in place of tibbles.
Tables use named columns and have some similar features

	R/tidyverse	Matlab/table
Import data	read_csv	readtable
Categorical data type	factor	categorical
Read top rows of data	head	head
Sort rows	arrange	sortrows
Rename columns	rename	renamevars
Add columns	mutate	addvars
Split column to multiple	separate	splitvars
Reshape wide to long	pivot_longer	stack
Reshape long to wide	pivot_wider	unstack
Join two datasets	left_join	join
Drop missing values	drop_na	rmmissing
Check if missing	is.na	ismissing
Group data	group_by	findgroups
Apply functions to groups	mutate/summarize after group_by	splitapply or groupsummary
Apply a function to variables	map or mutate(across)	varfun
Subset rows	filter	https://www.mathworks.com/help/matlab/matlab_prog/access-data-in-a-table.html
Subset variables	select	https://www.mathworks.com/help/matlab/matlab_prog/access-data-in-a-table.html
Chain commands together	%>%	can't do

Here's a nice blog post showing how someone rewrote their Matlab code into R:
https://john.soban.ski/refactor-matlab-to-tidyverse.html

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