

ETC 2420/5242 Quiz

Quiz 5

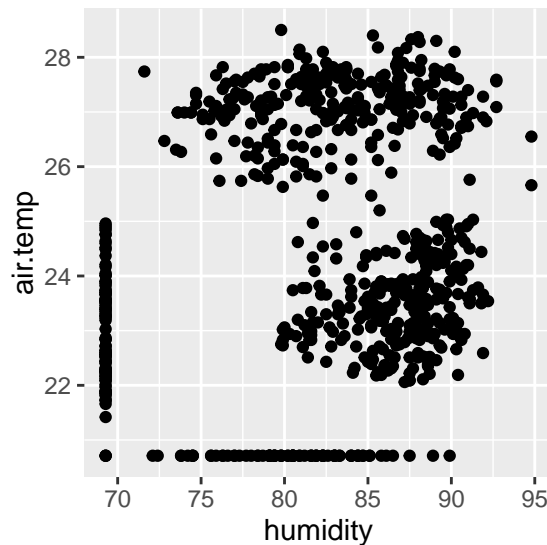
Name: _____ (Please write your name as it is given in the Monash system, and no need to write your student number.) Grader: _____

1. Match the dplyr verb to the action

verb	action
Arrange	Produce subsets
Summarise	Reorder the rows
Filter	Create new variables
Select	Removing existing grouping
Mutate	Choose columns
Ungroup	Make summaries of subsets

2. In the plot below we are looking at the relationship between humidity and air temperature as measured by Pacific Ocean buoys monitoring El Nino. There are missing values coded as 10% below the minimum on both variables.

- a. Circle the cases that are missing on humidity but not on air temperature.
b. Are the missings on humidity independent of air temperature value?



3. Put these words into the right synonym group

records, attributes, fields, example, instance, features, individuals, subjects, experimental units

Cases: _____

Variables: _____

4. For the following data, write down the variables that have been measured.

religion	<\$10k	\$10-20k	\$20-30k	\$30-40k
Agnostic	27	34	60	81
Atheist	12	27	37	52
Buddhist	27	21	30	34
Catholic	418	617	732	670
Don't know/refused	15	14	15	11