Week 3 Day 1: Mathlink Activity

# Piping

You can choose whether to:

declare your data as the first argument of the function

filter(.data = colleges, REGION == 5) |>  
 mutate(TUITION\_DIFF = TUITIONFEE\_OUT - TUITIONFEE\_IN)

***or***

pipe your data into the first argument of the function

colleges |>  
 filter(REGION == 5) |>  
 mutate(TUITION\_DIFF = TUITIONFEE\_OUT - TUITIONFEE\_IN)

# filter

*include* ***rows*** *based on one or more logical statements*

1. What symbol do you use to join two logical statements with an “or”?
2. What symbol do you use to join two logical statements with an “and”?

# select

include **columns** based on one or more logical statements

1. What symbol do you use to **remove** a column from the dataset?

# mutate()

create new columns or change existing columns

1. What are the three arguments of the if\_else() function?

# arrange()

Organize the rows of the data in order of a particular variable.

1. By default what order does the arrange() function put values in?
2. What can you add **inside** the arrange() function to change the default order?

# arrange() friends

1. What does the n argument of slice\_max() and slice\_min() do?

# summarize

compute a table of summaries

1. What are common summary functions you might want to use?

# group\_by

put rows into groups based on values in column(s)

1. What happens when you group by **two** variables?