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?