

WU #1 - R

Math 154 - Jo Hardin

Thursday, Sep 2, 2021

Name: _____

Consider the following R expressions. (You don't need to know the functions to solve the problem.)

```
Sidneys <- babynames %>%  
  dplyr::filter(name == "Sidney") %>%  
  dplyr::group_by(year,sex) %>%  
  dplyr::summarize(yearlyTotal = sum(n))
```

```
Sidneys %>% ggplot2::ggplot(aes(x=year, y=yearlyTotal)) +  
  geom_point(aes(color=sex)) + geom_vline(xintercept=1978)
```

The expressions above contain several types of objects as categorized here. Identify the kind of object each of the items in the table is used for; that is, assign one of a. through e. to each word.

- a. function
- b. data frame
- c. variable
- d. "named argument"
- e. level / value of the variable
- f. package

Item	Object Type	Item	Object Type
<code>babynames</code>	b	<code>ggplot2</code>	f
<code>name</code>	c	<code>n</code>	c
<code>group_by</code>	a	<code>year</code>	c
<code>sex</code>	c	<code>summarize</code>	a
<code>yearlyTotal</code>	c	<code>sum</code>	a
<code>dplyr</code>	f	<code>filter</code>	a
<code>Sidneys</code>	b	<code>ggplot</code>	a
<code>aes</code>	a	<code>x</code>	d
<code>y</code>	d	<code>geom_point</code>	a
<code>color</code>	d	<code>geom_vline</code>	a
<code>xintercept</code>	d	<code>Sidney</code>	e