WS #3 - Verbs

Wednesday, September 3, 2025

Math 154 - Jo Hardin

N	ame: _								_			
N	ames of	people yo	ou worke	ed with: _								
Ir	ntroduc	e yourself.	What	did you d	lo over	the long	g weeke	nd?				
tł	ne follov	onsider the ving synta set includ	ax. Ide	ntify the	verbs	and a	rgume	nts for	accor	nplishir	ig each	task
	verb2 arrang	s > (args1) (args2) ge(args3) > 3) >	head(1)								
# 1 2 3	carat <dbl> 0.23 0.21 0.23 1. In 2. In 6</dbl>	cut <ord> Ideal Premium Good the datase</ord>	color <ord> E E E t, which the thick the thick</ord>	<pre><ord> SI2 SI1 VS1 h color di is the ave</ord></pre>	<dbl> 61.5 59.8 56.9 amond rage pri</dbl>	<dbl> 55 61 65 is the l</dbl>	<int> 326 326 327 argest of</int>	<db1> 3.95 3.89 4.05 on avera</db1>	3.98 3.84 4.07 age (in	2.43 2.31 2.31 terms of	,	
	tha	t cost mo	re than	\$10,000 t	total?							

¹Data Computing, Daniel Kaplan

Solution:

<ord>

1 J

<dbl>

1.16

1. In the dataset, which color diamond is the largest on average (in terms of carats)?

```
diamonds |>
  group_by( color ) |>
  summarize( avesize = mean(carat) ) |>
  arrange( desc(avesize) ) |> head(1)

# A tibble: 1 x 2
  color avesize
```

2. In the dataset, what is the average price per carat of diamonds for the subset of diamonds that cost more than \$10,000 total?

```
diamonds |>
  filter(price > 10000) |>
  summarise( mean.ppc = mean(price/carat) ) |>
  arrange( desc(mean.ppc) ) |> head(1)
```