## Warmup: summary statistics

## Group members:

**Instructions:** Work with a neighbor on the following activity. I will collect the handout at the end of class, and it will be part of your class participation grade. You will be graded only on effort – it is ok if you don't finish all the questions, or get them all correct.

## **Calculating summary statistics**

The diamonds dataset from the ggplot2 package contains information on a variety of characteristics of different diamonds (cut, color, clarity, price, etc.). Here are the first few rows:

	carat	cut	color	clarity	depth	table	price	х	у	z
1	0.23	Ideal	E	SI2	61.5	55	326	3.95	3.98	2.43
2	0.21	Premium	E	SI1	59.8	61	326	3.89	3.84	2.31
3	0.23	Good	Ε	VS1	56.9	65	327	4.05	4.07	2.31
4	0.29	Premium	I	VS2	62.4	58	334	4.20	4.23	2.63
5	0.31	Good	J	SI2	63.3	58	335	4.34	4.35	2.75
6	0.24	Very Good	J	VVS2	62.8	57	336	3.94	3.96	2.48

1. Write code using dplyr functions to calculate the mean and standard deviation of the carat, depth, and price columns, producing the output shown below: