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EDG 500

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1. What is the theory called the Wisdom of the Crowd?

The theory called the Wisdom of the Crowd is that the average of all of the guesses will

probably be more accurate than most of the individual guesses.

2. What was different about the clipboards that students were holding?

The difference about the clipboards that students were holding is the weight.

3. State the null hypothesis for the one-way ANOVA.

The null hypothesis for the one-way ANOVA sets up the hypothesis that there is in fact no

significant difference – the so-called null hypothesis, where the population means of the three

groups are really the same.

4. What is the name of the test statistic that results from ANOVA?

The name of the test statistic that results from ANOVA is called F in which the numerator measures how much variability there is between the sample means, while the denominator measures how much variability there is within the individual observations.

5. Was the professor able to conclude from the F-statistic that the population means differed depending on the weight of the clipboard? Explain.

The professor was able to conclude from the F-statistic that the population means differed depending on the weight of the clipboard. The conclusion in this hypothetical case would be to reject the null hypothesis—the population means *do* differ. And at that point we could turn to different statistical tools to explore the differences further.

6. Did the crowd prove to be wiser than the individual students?

The crowd proved to be wiser than the individual students.