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Course: EDG500

Date: March 14, 2023

Chapter 12 Step by Step with figure 12.5, 12.6,

One-Sample Statistics

	N	Mean	Std. Deviation	Std. Error Mean
test Value	12	32.7500	4.02549	1.16206

One-Sample Test
Test Value = 32.00

	t	df	Significance One-Sided p	Significance Two-Sided p	Mean Difference	95% Confidence Interval of the Difference Lower	95% Confidence Interval of the Difference Upper
test Value	.645	11	.266	.532	.75000	−1.8077	3.3077

a. What is the value of the mean for the sample at Washington Elementary School?

R: It is 32.7500

b. What is the value of t?

By R: It is .645

c. What is the probability associated with this t score?

.532

d. Is the difference between the district mean of 32.00 and the mean at Washington

Elementary School statistically significant at the .05 level?

R: its no, because the mean of washington at 0.5 come out to be .532, that's mean it is

greater than .05

e. Write a statement of the results of the significance test.put in Figure 12.5 on the

previous page.

For a random sample at Washington elementary school, the mean and standard deviation

are 32.75 and .645, respectively. The national mean is 32.00. The difference between the sample

mean and the national mean is not statistically significant at the

level (t= .645, df = 11).