Desiree Vargas

EDG 500

March 13,2023

One sample statistics

	N	Mean	Std. Deviation	Std. Error Mean
Math	20	3.7	2.55672	0.5717

		Test Value 4.0					
			Significance			95% Confidence interval of the difference	
	T	Df	One sided p	Sig (Two sided p)	Mean difference	Lower	Upper
Math	-0.525	19	0.303	0.606	-0.30000	-1.4966	0.8966

	N	Mean	Std. Deviation	Std. Error
Attitude Toward Math	20	3.7	2.55672	0.5717

		Test Value 2.5					
			Significance			95% confidence interval of the difference	
	T	Df	One sided p	Sig (2 tailed)	Mean Difference	Lower	Upper
Attitude Toward Math	2.099	19	0.025	0.49	1.2	0.0034	2.3966

	N	Mean	Std. Deviation	Std. Error Mean

District	0.645	32.75	4.02549	1.16206

		Test Value =32.00					
		Signifinca ce			95% confidenc e interval of the difference		
	T	df	One sided p	Sig (2 Sided p)	Mean difference	Lower	Upper
District	0.645	11	0.266	0.532	0.75	-1.8077	3.3077

A. What is the value of the mean for the sample at Washington elementary school? 32.75

B. What is the value of *t*? 0.645

C. What is the probability associated with this *t* score? 0.532

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

Elementary School statically significant at the .05 level? It is not statistically significant

E. Write a statement of the results of the significance test

The values of the mean and standard deviation are 32.75 and 4.02. The district average is

32.00. The difference between the sample mean and the district mean is not statistically

significant at the .05 level (t=0.645, df= 11).