Unit 8 Discussion Example - First Response to a Classmate's Post

First response: Choose a classmate's post. Use the same data, and forecast a trend projection using Excel QM. Share the graph and "next period" prediction. Based on the graph, do you think this is a good model for this variable?



Data			Forecasts and Error Analysis				
Period	Demand (y)	Period(x)	Forecast	Error	Absolute	Squared	Abs Pct Err
Month 1	\$325,800	1	322738.5	3061.538	3061.538	9373018	00.94%
Month 2	\$331,300	2	323250	8050	8050	64802500	02.43%
Month 3	\$329,300	3	323761.5	5538.462	5538.462	30674556	01.68%
Month 4	\$322,000	4	324273.1	-2273.08	2273.077	5166879	00.71%
Month 5	\$322,200	5	324784.6	-2584.62	2584.615	6680237	00.80%
Month 6	\$324,200	6	325296.2	-1096.15	1096.154	1201553	00.34%
Month 7	\$321,700	7	325807.7	-4107.69	4107.692	16873136	01.28%
Month 8	\$324,900	8	326319.2	-1419.23	1419.231	2014216	00.44%
Month 9	\$313,400	9	326830.8	-13430.8	13430.77	1.8E+08	04.29%
Month 10	\$312,300	10	327342.3	-15042.3	15042.31	2.26E+08	04.82%
Month 11	\$322,500	11	327853.8	-5353.85	5353.846	28663669	01.66%
Month 12	\$337,800	12	328365.4	9434.615	9434.615	89011967	02.79%
Month 13	\$348,100	13	328876.9	19223.08	19223.08	3.7E+08	05.52%
			Total	1.75E-10	90615.38	1.03E+09	27.69%
Intercept	322226.9		Average	1.3E-11	6970.41	7.9E+07	02.13%
Slope	511.5385			Bias	MAD	MSE	MAPE
					SE	9679.62	
Forecast	\$329,388	14					
					Correlation	0.21016	
			Coefficient of determination 0.04417				