

MATH 230 Class Session Fitting a Line to Data

The table below presents the number of automobiles registered in the US from 1940 through 1986. Graph the data on the grid provided and draw in a trend line that you think “fits” the data fairly well. Find the equation of your trend line, and use your trend line to predict how many automobiles were registered in the US in 2000.

The Number of Automobiles in the US

Year's Change	Year	Years Since 1940	Autos (Millions)	Autos' Change	Rate of Change Autos/Year	Model Predicts	Error
	1940		27.5				
	1950		40.3				
	1960		61.7				
	1970		89.3				
	1980		121.6				
	1986		135.4				
	1990						
	2000						

