

Time travel back to mid-2012.

Nike brand shoe sales for Dillard's Stores in Colorado are shown to the right.

Use your research and Excel to:

Derive and confirm the regression **equation** for this Nike Shoe sale data.

Use this function to extrapolate Dillard's monthly Nike shoe sales remaining in 2012 and 2013.

Using interpolation, fill in any missing data points from the historical sales record.

Explain why this curve makes sense and what it means to your store sales.

Explicitly identify your answers in your Word report and on your spreadsheet.

Predict the total number of Nike shoes that will be sold by Dillard's in 2013.

Present your findings in a professional, MS Word processed format (to include supporting calculations and spreadsheets).

Send this final Word document report to mheinen_1@msn.com. Include (attach) the Excel spreadsheet with the MS Word document. PDFs may be sent in lieu of Excel/Word files.

Ensure both files are "print" ready.

Name your MS Excel spreadsheet file:
Stats-Shoes-Lastname

example:Stats-Shoes-Heinen.xlsx
(the computer will add the suffix .xlsx)

Due Date: NLT midnight Monday, March 9, 2015

	Month Name	Month	Sales (1,000)
2010	Jan	1	1.4
	Feb	2	1.6
	Mar	3	1.6
	Apr	4	
	May	5	
	Jun	6	1.4
	Jul	7	1.2
	Aug	8	1.3
	Sep	9	1.0
	Oct	10	0.5
	Nov	11	1.1
	Dec	12	1.3
2011	Jan	13	1.6
	Feb	14	
	Mar	15	2.1
	Apr	16	2.3
	May	17	
	Jun	18	
	Jul	19	2.2
	Aug	20	2.1
	Sep	21	1.8
	Oct	22	1.8
	Nov	23	
	Dec	24	1.7
2012	Jan	25	1.8
	Feb	26	2.0
	Mar	27	2.3
	Apr	28	2.5
	May	29	2.8
	Jun	30	3.0
	Jul	31	
	Aug	32	
	Sep	33	
	Oct	34	
	Nov	35	
	Dec	36	
2013	Jan	37	
	Feb	38	
	Mar	39	
	Apr	40	
	May	41	
	Jun	42	
	Jul	43	
	Aug	44	
	Sep	45	
	Oct	46	
	Nov	47	
	Dec	48	