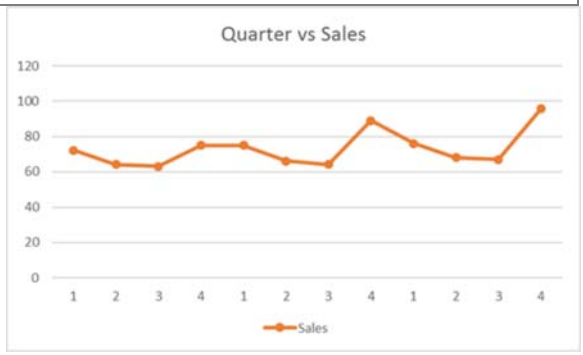
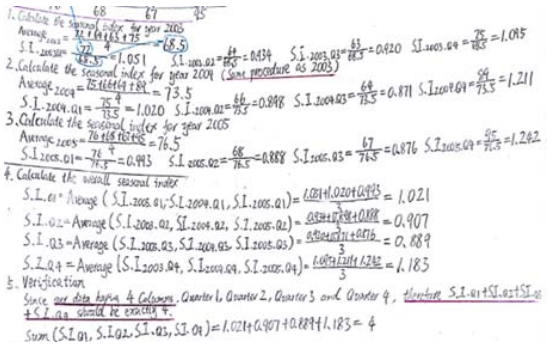
Seasonal Index

Year	Quarter	Sales	t
2003	1	72	1
	2	64	2
	3	63	3
	4	75	4
2004	1	75	5
	2	66	6
	3	64	7
	4	89	8
2005	1	76	9
	2	68	10
	3	67	11
	4	96	12



Rebuilding the original table

		Year		
		2003	2004	2005
Quarter	1	72	75	76
	2	64	66	68
	3	63	64	67
	4	75	89	96
	Total	274	294	307
	Average	68.5	73.5	76.75



Calclate the Overall S.I.

		Year			
		2003	2004	2005	Overall S.I
Quarter	1	1.051095	1.020408	0.990228	**1.020577**
	2	0.934307	0.897959	0.885993	**0.906086**
	3	0.919708	0.870748	0.872964	**0.887807**
	4	1.094891	1.210884	1.250814	**1.18553**
	Total	4	4	4	4
	Average				

Reference: Forecasting Methods made simple - Seasonal Indices https://www.youtube.com/watch?v=nXweMiI7Q8Q

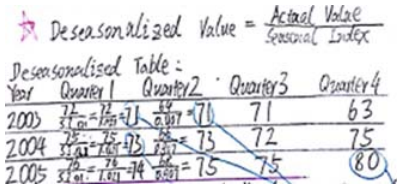
Rebuilding the S.I. table

Year	Quarter	S.I.	t
2003	1	1.051095	1
	2	0.934307	2
	3	0.919708	3
	4	1.094891	4
2004	1	1.020408	5
	2	0.897959	6
	3	0.870748	7
	4	1.210884	8
2005	1	0.990228	9
	2	0.885993	10
	3	0.872964	11

4	1.250814	12		

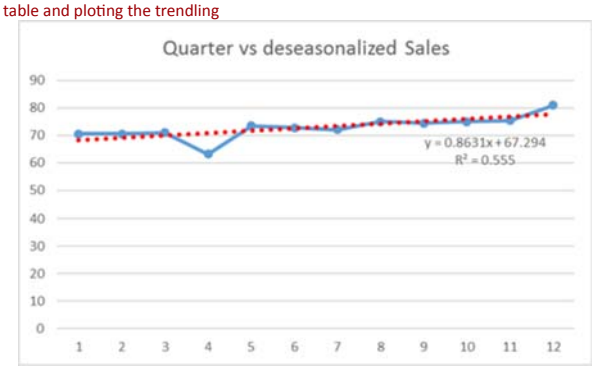
Calculate the Deseasonalized Sales

		Year		
		2003	2004	2005
Quarter	1	70.54833	73.48784	74.46768
	2	70.63344	72.84073	75.04803
	3	70.96138	72.08775	75.46687
	4	63.26286	75.07193	80.97646
	Total			
	Average			



Rebuilding the Deseasonalized Sales table and ploting the trendling

Year	Quarter	Deseason	t
2003	1	70.54833	1
	2	70.63344	2
	3	70.96138	3
	4	63.26286	4
2004	1	73.48784	5
	2	72.84073	6
	3	72.08775	7
	4	75.07193	8
2005	1	74.46768	9
	2	75.04803	10
	3	75.46687	11
	4	80.97646	12



Reference: How to Add a Trendline in Excel https://www.youtube.com/watch?v=svFSKnmAlKQ