

Editorial✍

Dear Readers,

MUST READ

It works 100% of the time although the scientists at the Canada Research Council (who discovered it) aren't sure why.

To stop night time coughing in a child (or adult as we found out personally) put Vicks Vaporub generously on the bottom of the feet at bedtime, then cover with socks.

Even persistent, heavy, deep coughing will stop in about 5 minutes and stay stopped for many, many hours of relief.

Works 100% of the time and is more effective in children than even very strong prescription cough medicines. In addition it is extremely soothing and comforting and they will sleep soundly. I heard the head of the Canada Research Council describe these findings on the part of their scientists when they were investigating the effectiveness and usage of prescription cough medicines in children as compared to alternative therapies like acupressure. Just happened to tune in A.M. Radio and picked up this guy talking about why cough medicines in kids often do more harm than good due to the chemical makeup of these strong drugs so, I listened.

It was a surprising finding and found to be more effective than prescribed medicines for children at bedtime, in addition to have a soothing and calming effect on sick children who then went on to sleep soundly.

An adult friend tried it on herself when she had a very deep constant and persistent cough a few weeks ago and it worked 100%! She said that it felt like a warm blanket had enveloped her, coughing stopped in a few minutes and believe me, this was a deep, (incredibly annoying!) every few seconds uncontrollable cough, and she slept cough-free for hours every night that she used it. So, if you have kids/grandchildren, pass it on. If you end up sick, try it yourself and you will be absolutely amazed by the effect .

L. Muralidharan
& Editorial Team of e-senze

Designed by: Mr. G. Natarajan

Index

CA - Final Page 2

Dart Board & Jokes 3

Chennai Class Details

Contact

Mr. C.K. Bhalaji,
Address: No. 7,
Sree Flats, 4/3,
Krishnaswamy Street,
Next to
Jain Car Shoppe,
North Usman Road,
T. Nagar,
Chennai - 600 017.

**Tel: 98409 54207/
044-28142616**

visit:

www.sreeramcoachingpoint.com

**Do you have
articles
for sharing?
Do send to**

joinsreeram@gmail.com

**Best articles will
be published.**





Time Series and Linear Regression

Continued from the previous edition

Seasonal variation factors of 119 and 84 will therefore be applied to trend line forecasts.

(Note: In this example, $119 + 84 = 200$ (2 seasons x 100); therefore the estimated seasonal variations do not need further adjustment.)

4.2 A note on terminology

In time series analysis with seasonal variations:

- The trend line value might be referred to as the de-seasonalised value
- The forecast is therefore the de-seasonalised value adjusted to allow for the seasonal variation.

Key Point

In time series analysis with seasonal variations:

- The trend line value might be referred to as the de-seasonalised value
- The forecast is therefore the de-seasonalised value adjusted to allow for the seasonal variation.

5 Strengths and weaknesses of forecasting with time series analysis

The advantages of forecasting using time series analysis are that:

- Forecasts are based on clearly-understood assumptions
- Trend lines can be reviewed after each successive time period, when the most recent historical data is added to the analysis; consequently, the reliability of the forecasts can be assessed
- Forecasting accuracy can possibly be improved with experience.

The disadvantages of forecasting with time series analysis are that:

- There is an assumption that what has happened in the past is a reliable guide to the future
- There is an assumption that a straight-line trend exists
- There is an assumption that seasonal variations are constant, either in actual values using the additive model (such as dollars of sales) or as a proportion of the trend line value using the multiplicative model.

None of these assumptions might be valid.

However, the reliability of a forecasting method can be established over time. If forecasts turn out to be inaccurate, management might decide that they are not

worth producing, and that different methods of forecasting should be tried. On the other hand, if forecasts prove to be reasonably accurate, management are likely to continue with the same forecasting method.

Activity 2

Inca sells a range of products, and it uses moving averages, trend analysis and seasonal analysis to forecast quarterly sales of each product. The following figures have been obtained for the quarterly sales of a product P14.

Quarter	Year	Actual sales	Moving average of Quarterly sales
		Rs.000	Rs.000
3	20X5	44	61.0
4	20X5	76	63.5
1	20X6	80	65.5
2	20X6	60	67.0
3	20X6	48	69.0
4	20X6	84	70.5
1	20X7	88	72.5
2	20X7	64	75.0
3	20X7	60	
4	20X7	92	

Required:

Use this data to estimate quarterly sales in the first and second quarters of 20X8 using:

- The additive model
- The multiplicative model.

Feedback to this activity is at the end of the chapter.

6 Linear regression analysis

Linear regression analysis is a statistical technique for identifying a 'line of best fit' from a set of data.

If it is assumed that there is a linear relationship between two 'variables', the technique can be used to quantify this relationship using historical data. The relationship is expressed in the form:

$$y = a + bx$$

where

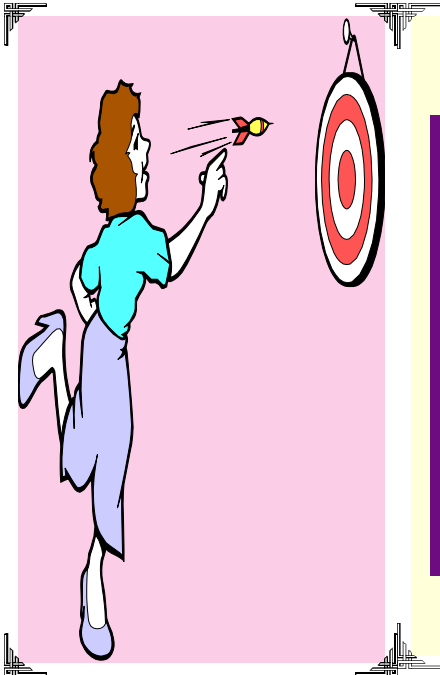
y is the value of the dependent variable

x is the value of the independent variable

a and b are values obtained from a statistical analysis of historical data for values of x and y.

To be continued...

Dart Board



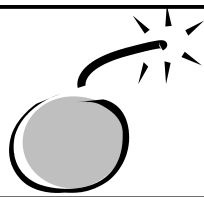
Last weeks Question:- Explain Discharge of a contract by agreement or consent:

Since a contract is created by entering into agreement, it can also be discharged by another agreement between the parties to the contract and such agreement may be express or implied. This may happen in one of the following ways so far as the discharge of a contract is concerned.

- (1) By novation (Section 62)
- (2) By recession (Section 62)
- (3) By alteration (Section 62)
- (4) By remission (Section 63)
- (5) By Waiver
- (6) By merger
- (7) By owing to the occurrence of an event.

This weeks Question: Explain Discharge of contract by novation:

Send your queries and suggestions to : joinsreeram@gmail.com



J o k e s

Krishna in airplane going to Bombay..

While its landing he shouted: " Bombay ...
Bombay"

Air hostess said: *"B silent."

Krishna: "Ok... Ombay. Ombay"

=== 000 ===

Teacher: "What is common between JESUS,
KRISHNA, RAM, GANDHI and BUDHA?"

Ravi: "All are born on government
holidays...!!!"

=== 000 ===

Gopi: Miss, you called to my mobile?

Teacher: Me? No, why?

Ravi: Yesterday I saw in my mobile- 1 Miss
Call".

=== 000 ===



SMILE