

# Ghosh's procedure for empirical pricing of a general derivative

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## Abstract

In this paper, I describe my procedure for empirical pricing of a general derivative.  
The paper ends with "The End"

## Introduction

In this paper, I describe my procedure for empirical pricing of a general derivative.  
This procedure is to be used only if and when all remaining procedures are either unsuitable or unusable due to insufficient data.

## Ghosh's procedure for empirical pricing of a general derivative

Using an adequate sample of past prices, we first regress the specification

$$D = aB + bS + (1 - a - b)LD$$

where

$a$  is the regression coefficient of the national bond index  $B$

$b$  is the regression coefficient of the national stock index  $S$

$L$  is the leverage coefficient of the derivative  $D$

$(1 - a - b)$  is the regression coefficient of the leveraged derivative  $LD$

Note that there is no residual term in the specification.

Then, the empirical price of the general derivative  $D$  is

$$D = \frac{aB + bS}{1 + (a + b - 1)L}$$

**The End**