

Mark Clatworthy, Department of Accounting & Finance, FSSL

Using Perl script to search > 1.5m US SEC filings for auditor certification of borrower compliance with debt covenants







## THE BOEING COMPANY

## FIVE-YEAR CREDIT AGREEMENT

amon

THE BOEING COMPANY for itself and on behalf of its Subsidiaries, as a Borrower

## THE LENDERS PARTY HERETO

CITIBANK, N.A., as Administrative Agent

JPMORGAN CHASE BANK, N.A. as Syndication Agent

an

CITIGROUP GLOBAL MARKETS INC.

J.P.MORGAN SECURITIES LLC, as Joint Lead Arrangers and Joint Book Managers dated as of November 10, 2011

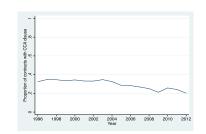






Test theories for when audit clauses are more likely to occur

[Boeing must not] "Permit its ... debt to be at any time more than 60% of ... shareholders' equity and consolidated debt"



$$\ln\left(\frac{\hat{p}}{(1-\hat{p})}\right) = b_0 + b_1 X_1 + b_2 X_2 + ... + b_p X_p$$

 $X_1$  = 'Soft' assets

 $X_2$  = # lenders ...

bristol.ac.uk