

## Bond ratings, bond yields and financial information\*

DAVID A. ZIEBART, SARA A. REITER

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### Abstract

**Abstract.** The role of accounting information in investment decision making and capital markets has been investigated by exploring fundamental connections between accounting numbers and market-based phenomena of interest. Studies of bond rating predictions have described how bond raters make their judgments as a function of accounting and other data. This study expands our knowledge of these fundamental connections by investigating whether bond ratings have a direct impact on bond yields and how accounting information impacts the bond yields—directly, or indirectly through the bond ratings. A simultaneous equation system is constructed using firm-specific financial information, bond ratings by two major rating agencies, and initial offering yields. The sample used in this study consists of 189 new issue industrial bonds rated by both Standard & Poor's and Moody's that were issued from 1981 through 1985. Tests of alternative structural model

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yields through its effect on ratings. The role of accounting information in setting bond market prices is clarified using this approach.

**Résumé.** On a étudié le rôle de l'information comptable dans la prise de décisions d'investissement et sur les marchés financiers en explorant les liens fondamentaux entre les données comptables et les phénomènes d'intérêt fondés sur le marché. Les études portant sur les prédictions relatives à la notation des obligations ont décrit de quelle façon les services d'information financière jugeaient de la valeur des obligations à partir de données, comptables et autres. Les auteurs de la présente étude élargissent la connaissance de ces liens fondamentaux en analysant la possibilité que la notation des obligations ait une incidence directe sur leur rendement et la façon dont l'information comptable agit sur le rendement des obligations, que ce soit directement, ou indirectement par l'intermédiaire de leur notation. Les auteurs constuissent un système d'équations simultanées à l'aide de l'information financière propre à l'entreprise, des cotes accordées aux obligations par deux services majeurs d'informations financières et du rendement des émissions initiales. L'échantillon qui a servi à l'étude compte 189 nouvelles émissions d'obligations dans le secteur industriel, cotées à la fois par Standard & Poor's et Moody's, qui ont été émises entre 1981 et 1985. Les tests appliqués aux configurations de rechange du modèle structurel établissent clairement les relations entre la notation des obligations, l'information financière et le rendement des obligations. Les progrès de la méthodologie statistique ont mené à une meilleure compréhension et une meilleure évaluation des rôles relatifs de la notation des obligations et de l'information financière dans l'établissement du prix des obligations. La modélisation d'équations simultanées permet, d'une part, l'évaluation des relations entre rendement, notation et information financière et, d'autre part, l'estimation des conséquences directes et indirectes de l'information financière sur le rendement qui doit être estimé, ce qui amène à conclure que l'information financière a une incidence sur la notation des obligations, que la notation des obligations exerce une influence directe sur le rendement des obligations, que l'information financière touche également de manière directe le rendement des obligations et qu'elle a une incidence indirecte sur le rendement des obligations, par le truchement de son incidence sur la notation. Le rôle de l'information comptable dans l'établissement de la valeur marchande des obligations est éclairci grâce à cette méthode.

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