Disclosure & Governance

Hermalin & Weisbach

Introduction

Analysis

Efforts by the CEO

Conclusion

Information Disclosure and Corporate Governance

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Corporate Governance Reform All the Rage Past Fifteen Years

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Efforts by the

Conclusion

■ UK: Cadbury Report, 1992.

■ Japan: major reforms in 2002.

■ US: Sarbanes-Oxley, 2002.

■ Australia: CLERP 9, 2004.

Other reforms in Europe and Asia.

 Big impetus and goal of these reforms is improved disclosure and transparency (consider, e.g., Title IV of Sarbanes-Oxley)

Is Transparency Good? Analyzing an Equilibrium Phenomenon

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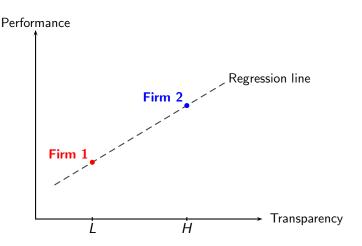
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Introduction

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Analysis

Efforts by the



Is Transparency Good?

Analyzing an Equilibrium Phenomenon

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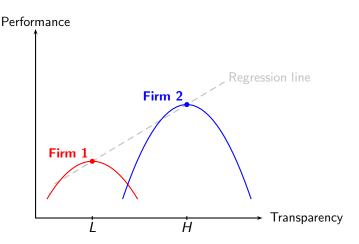
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Analysis

Efforts by the



What This Paper's About

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Introduction

Model

Analysis

Efforts by the

- Why could there be a tradeoff between a firm's transparency or disclosure and its performance?
- Can it be explained within the context of corporate governance?
- What factors influences this tradeoff?
- What should we think of governance reform?

Outline of Talk

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Introduction

Wiodei

Analysis

Efforts by the CEO

- 1 Introduction
- 2 Model
 - Timing
 - Assumptions
- 3 Analysis
- 4 Efforts by the CEO
 - Signal Distortion
 - Project Selection
- 5 Conclusion

The Model Basic Timing

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Model

Assumptions Owners

nalysis

CEO

Conclusion

Owners fix reporting quality (degree of transparency/ disclosure). Owners hire CEO.

Owners take decisions the quality of which are better the form informative the signal.

Payoffs realized.

Public signal pertaining to CEO's ability realized.

Based on signal, actions taken that affect CEO.

The Model Assumptions on CEO Ability

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Mode

Timing Assumptions

Analysis

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Conclusior

- CEO's ability is a random variable (normally distributed).
- No one knows CEO's ability *ex ante*.

The Model Assumptions on Signal

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Model

Assumptions

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Efforts by the

CEO

- The signal is a normally distributed random variable.
- Its mean equals the CEO's ability.
- The precision of the signal (inverse of its variance) is the reporting quality chosen by the owners at stage 1 of the game.

Analysis Updating Beliefs and Consequent Actions

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Analysis

Efforts by the

- Based on signal, all parties update their beliefs about CEO's ability; that is, form posterior estimate of ability.
- Ex ante, posterior estimate is a random variable.
- Because owners take an action based on posterior estimate, they hold an option. Hence, they are risk loving in the posterior estimate (prefer greater variance).
- Under number of alternative assumptions, CEO is *risk* averse in the posterior estimate (prefer less variance).
- Critically, the more informative (precise) the signal will be, the greater will be the variance of the posterior estimate.
- Conclusion: The owners' expected payoff increases with the precision of the signal and the CEO's decreases with the precision of the signal.

Analysis The Owners' Tradeoff

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Analysis

- Raising signal precision (improving disclosure/transparency) directly benefits owners.
- But directly harms the CEO.
- Hence, CEO will require greater compensation the more precise the signal.
- **Conclusion:** The owners also bear a cost when they increase signal precision.

Owners' Tradeoff An Equilibrium Phenomenon

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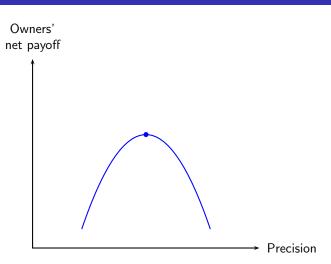
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Introduction

Model

Analysis

Efforts by the



Policy Implications

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Analysis

Efforts by the

CEO

Regulations that force firms to adopt signal precision (disclosure/transparency) above their maximizing level will

- (i) reduce expected profits;
- (ii) raise CEO compensation; and
- (iii) if the owners' decision (action) is whether to keep or dismiss the incumbent CEO, increase the probability of CEO dismissal

relative to what they would have been at the maximizing level.

Efforts by the CEO to Affect Signals

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Efforts by the CEO

Signal Distortion Project Selection

- CEO takes actions that raise the value of the signal.
 - timing earnings announcements
 - aggressive accounting
 - "cooking the books"

Assumptions

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Model

CEO

Signal Distortion Project Selection

- CEO expends effort to boost (distort) signal before signal is realized.
- What is observed is signal plus distortion.
- Effort at distortion personally costly to CEO.

Signal Distortion Graphical Interpretation

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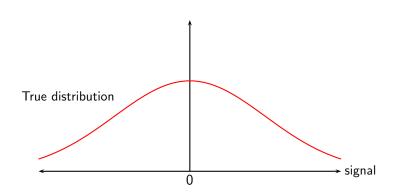
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Model

Efforts by the CEO

Signal Distortion



Signal Distortion Graphical Interpretation

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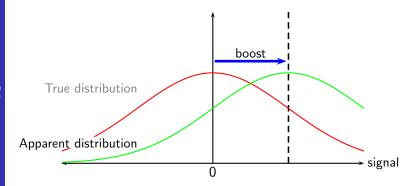
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Signal Distortion



Signal Distortion

Graphical Interpretation: In equilibrium no one fooled

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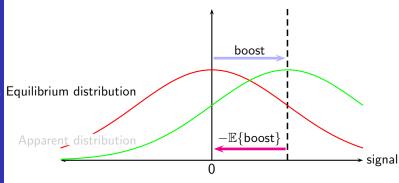
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Analysis

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Signal Distortion



Signal Distortion

Graphical Interpretation: Red Queen problem

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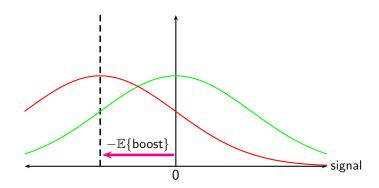
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Model

Analysis

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Signal Distortion



Consequences of Distortion

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Effecte by ab

Signal Distortion

- CEO must be compensated for disutility of effort spent on exaggeration.
- Equilibrium efforts at exaggeration are, under certain conditions, increasing in transparency.
- Yet another source of increased costs due to increased disclosure/transparency.

Direct Penalization of Distortion

Sometimes its Draconian or Nothing

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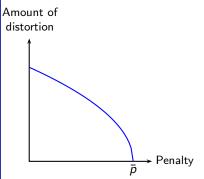
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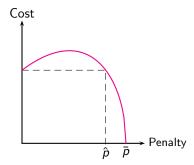
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Efforts by th

Signal Distortion





Transparency about Managerial Actions Project Selection

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Efforts by the

Signal Distortion Project Selection

- Transparency could refer to actions.
- Consider one such action, choice of project.
- Assume CEO chooses a project from a set of potential projects.
- Two regimes:
 - (i) Transparent: mean and variance of chosen project observable.
 - (ii) Non-transparent: mean and variance of chose project hidden.

The Issue:

Transparency can lead to too much risk & low returns

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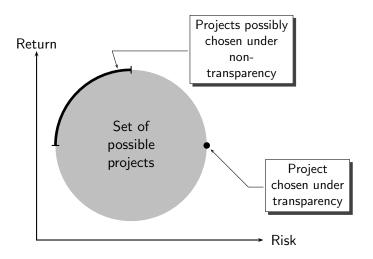
Introduction

Model

Analysis

Efforts by th

Signal Distortion Project Selection



Explanation Under Transparency

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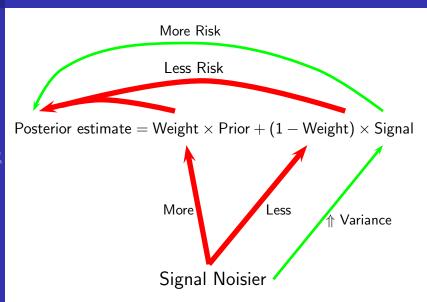
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Explanation Under Non-Transparency

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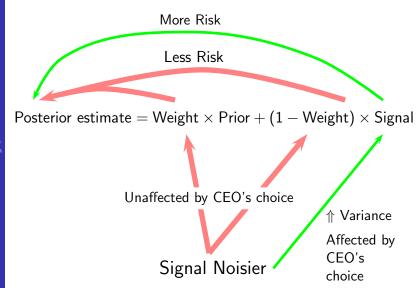
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Analysis

Efforts by th

Signal Distortion Project Selection



Conclusions

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Introduction
Model

Analysis

Efforts by the CEO

- Greater transparency or disclosure is not unambiguously desirable from the perspective of good governance.
- In a model of optimizing behavior, external efforts to enhance transparency or disclosure can be welfare reducing.
- If CEO can distort information, then may not wish to penalize that behavior.
- Transparency over CEO actions can have undesired consequences *vis-à-vis* non-transparency.

Conclusions Lessons for Regulation

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Efforts by the CEO

- Have to understand why observed, unconstrained outcomes are suboptimal (if they are).
- Regulatory actions can have undesired activities:
 - Reduce profits
 - Raise executive compensation
 - Encourage efforts at information distortion
 - Adversely affect choice of projects