To Tell or Not To Tell: The Incentive E ects of Disclosing Employer Assessments

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Abstract

Should employers disclose their assessments of their employees? Popular managerial advice suggests that telling an employee that she is assessed to have high potential leads to greater e ort and engagement, boosting rm pro ts. However, some employers still choose to withhold employee assessments. What explains this observation? We show that if the internal accounting system is weak, telling an employee that she is assessed to have high potential increases her incentive to manipulate the accounting report instead of working harder, thereby decreasing rm pro ts. Thus, we explain why some employers withhold assessments.

Keywords| Talent management, information disclosure, performance evaluation, employee assessment, human resource management

JEL Classi cation | D21, D23, D82, D86, J24, J53

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1 Introduction

...the question of `tell or don't tell' has been well and truly answered with a resounding `yes.'

James Peters

Senior Partner, Korn Ferry

Employers often have a good gauge of which junior-level employees have the the tential to be leaders or managers within the rm (Ready et al. 2010). We call this gauge an employer's ssessment of whether an employee has the potential to be successful in a leadership or managerial role. Should employers disclose (or tell) these assessment to their employees? The popular managerial guidance book, `One Page Talent Management' (E ron and Ort 2010), suggests that many employers prefer to withhold their assessments. Foremost, the authors of the book conjecture, employers worry that disclosing assessments might lead some employees to become discouraged about their prospects within the rm, thereby decreasing productivity. The authors bemoan this lack of transparency and argue why employers should be more transparent. In this paper, we suggest that this advice to be more transparent overlooks a vital determinant of the decision to tell { the strength of the rm's internal accounting system (that is, how easy or di cult it is for the employee to generate a false accounting report). We thus explain why some employers choose not to disclose assessments.

Popular managerial guidance books, advice from consulting rms, and prior literature have extensively focused on the employees' e ort incentives who are told of their potential to advance within an organization. Common reasons for not telling employees include avoiding employee demotivation (Beer 1987) and reducing employee turnover. Reasons for transparency include increased employee

¹ Disclosing assessments is di erent from providing performance feedback where the employer provides a speci c evaluation of the employee's performance on a task without alluding to her potential to advance in the future. A helpful framework is to think of assessments as forward-looking information and performance feedback as backward-looking information about the employee.

An informal survey estimates that 73% employers prefer not to disclose assessments: https://talentstrategygroup.com/wp-content/uploads/2020/02/Calculating-the-Optimal-Length-of-Time-to-Lie.pdf

engagement and commitment and greater trust in the reward system (Lawler 1972, Hamner 1975, and E ron and Ort 2010). While the academic literature might not have reached a consensus on what should be done, consulting rms and managerial advice books advocate transparency. For instance, the epigraph above recommends that employers should disclose assessmente from another managerial advice book, `Leading the Way' (Gandossy and E ron, 2004), reads, `...we think it is best to let high-potentials know their status... if there are real consequences to this status.'

Despite popular managerial advice, one in three employers prefers to withhold assessments as indicated by prior studies (Bournois and Roussillon 1992, Dries and Pepermans 2008, Silzer and

strategy regarding the screening test results before learning about them. Assumptions of this form are standard in the `Bayesian Persuasion' literature pioneered by Kamenica and Gentzkow (2011). In reality, the employer can commit to a disclosure strategy by developing a reputation for disclosure or nondisclosure. We assume that the results of the screening test are veri able. This allows us to avoid any signaling issues arising from the disclosure of the test results.

In Stage 1, the employee exerts e ort into an entry-level task and subsequently submits an accounting report about the output generated. In Stage 2, the employee is potentially promoted to a managerial role. We note that, for simplicity, there is no moral hazard in the managerial role.

In addition to the decrease in output due to manipulation in a weak accounting system, another e ect manifests. In our model, when the employee who (1) has low potential or (2) has failed in the entry-level task (or both) is promoted, the employer experiences a cost of incorrect promotion. Put another way, when the wrong employee (either due to her type or her lack of prerequisite knowledge or both) is promoted, funding this person leads to costly waste of resources. When the employee can manipulate the report in a weak accounting system, the employer makes an ine cient promotion. This additional cost of manipulation{ the costly waste of resources{ makes it further attractive for employers not to disclose assessments.

1.1 Background Literature

We contribute to the literature by explaining an apparent paradox as to why employers withhold employee assessments. This observation is particularly puzzling, given the wealth of advice suggesting the contrary. We provide a solution to this puzzle, which is the rst of its kind to the best of our knowledge. Our solution links this observation to employee e ort and the strength of the accounting system. Prior literature has focused extensively on the employee e ort aspect while largely overlooking the accounting system's strength. For instance, Lizzeri et al. (2002) examine the e ects of providing performance feedback on employee e ort and how that a ects the cost of the optimal contract. They conclude that not providing feedback is optimal since it reduces the expected cost of compensation. While we reach a similar conclusion, in our model, we demonstrate this withoutusing a performance contingent wage contract by instead focusing on the strength of the accounting system. Hamner (1975) and Lawler (1972) provide various reasons (such as increased employee engagement and commitment) as to why employers should be transparent with their employees. We examine an outcome that is in contradiction to their recommendation.

In recent years, other papers have also looked at theoretical aspects of employers providing feedback to employees. For instance, Goltsman and Mukherjee (2011) and Aoyagi (2010) outline the optimality of no, partial, or complete disclosure of feedback in a tournament setting. Gershkov and Perry (2009) too examine performance reviews in a tournament setting; however, their focus is primarily on the timing of the performance review rather than the disclosure of the results. In Prendergast (1992), an employer observes the employee's ability after the rst-period task and

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uses a fast-track promotion to signal to high-ability workers. Our model avoids signaling issues by assuming the employer's assessments are formed due to a veri able test.

Another related stream of literature examines communication between a principal and a betterinformed agent. Speci cally, this literature analyzes how optimal contracting or the use of management control systems can mitigate this information asymmetry (see for example Christensen (1981);



This di erence is a measure of the attractiveness of the promotion. We assume that the employee is paid a guaranteed xed-wage in each period, normalized to 0.

Stage 3 - Payo : In stage 3, the payo s are realized.

Below, we list a few important assumptions.

Assumption 1. B > that is, the promotion bene t is more desirable to an employee than the outside option.

Assumption 2. Ex-ante, without information about the employee's types, it is ine cient for the rm to continue the project. Equivalently, the probability of being the high type is su ciently low. Formally, we assume:

Assumption 3. To ensure interior solutions for the e $@r^2$ (0; 1) and manipulation 2 (0; 1), we assume the following:

- 1. (B) < C
- 2. (B) < k

2.1 Discussion of Model Setup

A few elements of our model merit further discussion. First, we discuss the interplay of potential and knowledge in an employee's success in the managerial role. Only a high potential employee who has succeeded in the entry-level task can succeed in the managerial role in our model. To succeed as a manager, an employee needs to have the correct `innate ability' (or potential) and knowledge (which comes from success in the entry-level task). This setup is typical in everyday situations. For instance, consider an audit rm. To be a partner, an auditor needs to have the right ability (such as networking skills or leadership or what we call potential in our model) and needs to know the basics of auditing, which only comes from doing well in the junior level positions. Consider another contrived example: Robert Lewandowski, one of the greatest soccer strikers of this generation, plays for the Bundesliga club, Bayern Menchen. However, he is not the captain despite being an exceptionally skilled soccer player. It appears that soccer skill is only a necessary

condition to be a captain of a soccer team; not a su cient condition. In the verbiage of our model, Lewandowski has the prerequisite knowledge of soccer; however, he might not have the potential to be the captain. Thus, we believe that our model setup, wherein the employer only promotes an employee who has successfully completed the entry-level task and has high potential, has a strong basis in reality.

Second, we explain the assumption that the employer commits to a disclosure strategy **a**t= 0. This assumption allows us to examine the e ects of disclosure by preventing inferences by the employee. For instance, if the rm chose the disclosure strategy after observing the employee's type and chose not to disclose, the employee would make a negat(s)-430(tw02(m.i9J 185(to)ia(m.i9J e8(c)28(ho

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upon request. Additionally, Assumption 2 is not removed from reality. Indeed, in most settings, the number of high-potential types is much lesser than the number of low-potential types (or that

is su ciently small). For instance, audit rms often hire large `sta ' cohorts. However, only a tiny fraction of this cohort ever makes it to `partner.'

3 No Manipulation: Disclosure and E ort

In this section, we replicate some of the insights found in popular managerial guidance and prior literature. The critical element here is that the employee cannot manipulate the accounting report

• • The employee obtains the following payo :



outside option independent of the e ort level. The second term captures the cost of e ort. Maximizing the above payo with respect to e ort is equivalent to minimizing the cost of e ort. The low-type employee's equilibrium e ort level is:

$$\mathbf{e}_{1}^{\mathbf{y}} = \mathbf{0} \tag{9}$$

Under disclosure the rm's payo is

$$U_{\rm F}^{\rm S;D} := {\rm se}_{\rm H}^{\rm y} ({\rm X}_{1} + {\rm Y})$$
(10)

The rm derives its payo from the high type who is screened as such and has succeeded in the entry-level task.

3.2.3 Comparison of E orts

Lemma 1. Without manipulation:

- 1. the high type chooses higher e ort under disclosure relative to no disclosure.
- 2. the low type chooses lower e ort under disclosure relative to no disclosure.
- 3. the high and the low types choose the same e ort level under nondisclosure.

$$e_{H}^{y} > e > e_{L}^{y} = 0$$

The proof can be observed from the expressions $fore_{H}^{y}$ and e_{L}^{y} given that 0 < s < 1 and $(B_{-}); c > 0$. The intuition for Lemma 1 is straightforward and is similar to the Pygmalion e ect described in Eden (1990). When the assessment is not disclosed, the uncertainty of the promotion weakens e ort incentives for the high type while it strengthens e ort incentives for the low type. When the assessment is disclosed, the high type anticipates a promotion as long as she succeeds in the entry-level task. Put another way, the high type's e ort decision no longer hinges on the uncertainty about her type. This decrease in uncertainty increases the expected bene t of exerting e ort, which is why $e_{H}^{y} > e$. However, when the assessment is disclosed to the low type, she rationally exerts no e ort. This is because the rm would never promote a low type since she is

never successful in the managerial role. Thus, for the low type, a decrease in uncertainty reduces the expected bene t of exerting e ort, which is why $e > e_1^y$.

Lemma 1 replicates some of the results found in prior literature and managerial advice. For instance, we show that telling a low-potential employee leads to decreased e ort. This is similar to Beer (1987) and the reasons conjectured in E ron and Ort (2010) for why some rms withhold employee assessments. Another conjecture for why rms might not disclose assessments suggests that telling a high-potential employee leads to better outside options, which leads to lower e ort. This can be demonstrated as follows. Assume that is a function of telling, and that (T) > (NI) (in words, of being disclosed as having high potential is greater than of no information). Then, the comparison of e_{H} and e is not obvious.

$$e_{H}^{y}$$
 7 e \langle B 7 $\frac{(T) s (NI)}{(1 s)}$ (11)

We can see that if the bene t of promotion B is su ciently small, then telling an employee could lead to lower e ort (unlike the results of Lemma 1 where disclosurealwaysleads to a greater e ort from the high type). However, we believe that this conjecture is not worth pursuing because it is di cult for the employee to credibly convey to the outside market that her employer thinks she has high potential.¹⁰ Moreover, a related line of reasoning has been explored in Waldman (1984), where the employee's promotion is used to convey the employer's positive perception credibly.

3.2.4 Optimal Disclosure Choice

We rst tackle the question of whether conducting a screening test is optimal. For the employer to screen, it must be that $U_F^{S;nR} > U_F^{nS} = 0$, or $U_F^{S;R} > U_F^{nS} = 0$, or both. It can be observed from Equations (5) and (10) that both $U_F^{S;nR}$; $U_F^{S;R} > 0$. Thus, screening is always optimal for the rm.

The rm's decision to tell or not is more nuanced than its decision to conduct a screening test. The rm considers the following trade-o Td [(U)]TJ/F79owin051. HowHo3[(10)]TJ/F7F

makes disclosing the assessment a better option. In the next section, we show that nondisclosure of assessments arises, instead, due to the employee's ability to manipulate the accounting report and strength of the accounting system.

4 Manipulation: Disclosure and E ort



Figure 4: Game tree with screening without disclosure and manipulation

following equilibrium manipulation level.

$$m_{H} = m_{L} = m = \frac{s (B)}{k}$$
 (16)

We observe that the manipulation e ort is increasing in the prior of being a high type, the probability of the screening test yielding information, and the attractiveness of the promotion. It is decreasing in the costliness of manipulation. By assumption 3m 2 (0; 1).

Given the adjution and the set of the set of

The rst term captures the bene t of promotion over the outside option derived when the employee has high potential, is recognized as such, and succeeds in the entry-level task or manipulates the accounting report. The second term represents the guaranteed outside option for all other conditions. Finally, the third term is the cost of exerting e ort. The employee maximizes the above payo with respect to her e ort yielding the following equilibrium e ort level.

е



Given the high type's equilibrium manipulation level, she obtains the following total payo :

$$eB + (1 e)[m_{H}^{y}B + (1 m_{H}^{y})] \frac{ce^{2}}{2}$$
 (22)

The rst term above captures the promotion bene t given that the high type succeeds in the entrylevel task. The second term represents the payo when she fails (with probability 1 e). The rst term inside the parentheses is the promotion payo obtained through manipulation, while the second term represents the guaranteed outside option when manipulation fails. The third term represents the cost of e ort. The employee maximizes the above payo with respect to e ort yielding the following equilibrium e ort level.

$$e_{H;m}^{y} = \frac{(1 \quad m_{H}^{y})(B \quad)}{c}$$
 (23)

 $e^{y}_{H;m}$ 2 (0; 1) because of assumption 3.

The employee who is disclosed to have low potential expects not to be promoted and thus, choosese^y_{L;m} = 0 and m^y_L = 0. The rm's payo is of the form below:

3. the high and the low types choose the same manipulation level under nondisclosure.

$$m_{H}^{y} > m > m_{L}^{y} = 0$$



than her e ort under nondisclosure. The managerial output e ect considers the incremental e ect of disclosure on the managerial role's output,Y. Similarly, the resource-allocation e ect considers the additional e ect of disclosure on the cost of resources K. These last two e ects can be both positive or negative, depending on whether r_{Hm}^{y} 7 r_{m} (and by how much).

Proposition 2. If $k < \hat{k}$, the managerial output and the resource allocation e ects are negative. The rm strictly prefers to not disclose the assessment.

$$k < \hat{k} =$$
 $U_{F;m}^{S;nD} > U_{F;m}^{S;D}$

The proof is in the appendix. The intuition for the above result is that if the cost of manipulation is su ciently low, the employee disclosed to have high potential manipulates more and exerts lower e ort as compared to the employee who does not know the assessment (following Lemmas 2 and 4). Thus, disclosure leads to a decrease in the managerial role's output and a greater cost of ine cient resource allocation for the rm.

The above proposition explains why rms might choose not to tell employees. If the accounting system is su ciently weak, disclosing positive assessments to employees leads to greater manipulation and lower e ort, which hurts the rm's prot in three ways: by reducing the output of the entry-level and the managerial role, and increasing the wasteful allocation of resources. In such a setting with a weak accounting system, the rm is better o not disclosing employee assessments.

We now consider if screening is optimal in the setting with manipulation and nondisclosure. This is tantamount to checking if $U_{F;m}^{S;nD} > U_{F;m}^{nS} = 0$.

$$U_{F;m}^{S;nD} = e_m X_1 + s [e_m Y (1 e_m)m K] > 0$$

=) $c < c = \frac{[k s (B)][kX_1 + s f kY + Ks (B)g]}{s kK}$ (26)

Lemma 5. In the setting with accounting manipulation and assessment nondisclosure, it is optimal

¹¹ It is worth noting that $k < \hat{k}$ is a su cient condition for the rm to not tell. The necessary and su cient condition is outlined in Equation (25). We de ne this necessary and su cient threshold cost of manipulation to be k.

for the rm to screen i c < c.¹²

$$c < c (U_{F;m}^{S;nD} > U_{F;m}^{nS} = 0$$

The intuition for the above result is as follows. If the cost of e ort c is bounded above (that is, if exerting e ort is cheap enough), the employee exerts enough e ort even with manipulation such that the total output exceeds 0. However, if the cost of e ort gets su ciently high, it is no longer optimal for the rm to conduct the screening test. This is because the employee reduces her e ort, which leads to a higher expected manipulation level and an increased cost to the rm of ine cient resource allocation (since the `wrong' employee is promoted). In this case, we have a trivial reason



parameters.

5.1 No Manipulation

Without manipulation, the employee's e ort is increasing in the attractiveness of the promotion independent of disclosure. Given a higher bene tB

Taking the rst derivative of the employee's e ort, we obtain:

$$\frac{@}{@}(B) = \frac{s}{|\{\hat{Z}\}} \qquad \frac{\frac{|ndirect E|ect ND}{Z}|}{\frac{2(s)^2(B)}{ck}}$$
(30)



7 Conclusion

In this paper, we explain why some employers do not disclose assessments to employees. Popular managerial guidance books and consulting rms argue that disclosing assessments leads to increased engagement and e ort from high-potential employees, which boosts pro ts. In our setting without accounting manipulation, we replicate this advice. We show that without accounting manipulation, disclosing the assessment leads to higher prots since the high-potential employee works harder. However, our novel insight shows that when the accounting system is su ciently weak, and the employee can manipulate the accounting system, disclosing the assessment can decrease expected pro ts. This is because disclosure of the assessment creates a perverse incentive for the high-potential employee to succeed either through e ort or through accounting manipulation. If the accounting system is weak, the high-potential employee chooses to succeed through accounting manipulation, which leads to decreased expected output and wasteful resource allocation for the employer. The decreased outputs and ine cient resource allocation reduce the employer's prot. Thus, the employer chooses not to disclose the assessment. Our model provides some testable implications regarding the relationship between an employer's disclosure of assessments and the strength of the employer's internal accounting system. Speci cally, our model predicts that an employer with a weaker (stronger) internal accounting system is less (more) likely to disclose employee assessments. We encourage future research to test our theory.

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Appendix

Proof of Proposition 3

We solve the inequalities:

$$\frac{@_{fin}}{@(B_{in})} = \frac{s}{c} \quad \frac{2(s)^{2}(B_{in})}{ck} > 0 = k > 2s(B_{in})$$
(33)

and:

$$\frac{@k_{\text{H,m}}}{@k_{\text{H}}} = \frac{1}{c} \quad \frac{2(B)}{ck} > 0 = k > 2(B)$$
(34)

This proves parts (1) and (2). Part (3) is proved below.

 $\hat{k} = (B)(1 + s) < (B)(1 + 1) = 2(B)$ (35)

This proves the upper bound on k.

$$\hat{k} = (B)(1 + s) > (B)(2 s)$$

=) 1 > s (36)

which proves the lower bound onk. The proof is completed by applying parts (1) and (2). ■

Proof of Proposition 4	(36)15
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