Sexual Misconduct and Scientific Production

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Abstract

While sexual misconduct in the workplace has complex and lasting consequences for directly affected individuals, its broader organizational implications remain less well understood. Using a novel dataset of over 1,000 documented sexual misconduct cases across U.S. universities, I examine how these incidents affect departmental scientific productivity. These are misconduct cases that experienced subsequent public reporting, for the most part through news reporting. Using the benefit of hindsight, I record the year sexual misconduct occurs and the year it becomes public. I employ coarsened exact matching and a staggered difference-in-differences design to compare control departments with those that experienced subsequently publicized misconduct incidents. Sexual misconduct shows no discernible effect on productivity in most departments when it occurs, but public reporting — for example, through media outlets — reduces publications by 0.1 per faculty member annually, equivalent to ten fewer publications over five years for a 20-member department. The results are consistent with stigma-based and cognitive mechanisms that reveal a crucial distinction. While stigma, fear of retaliation, and privacy concerns typically contain the impact of sexual misconduct incidents, public reporting creates reputational damage and productivity losses that extend beyond the direct victims. Thus, certain organizations might find themselves in a double bind where they must balance demands for increased transparency while protecting the privacy of all parties involved against the organizational costs arising from public reporting about sexual misconduct incidents. These findings reveal that broad organizational costs emerge specifically from public disclosure rather than from the misconduct itself. This might explain both why social pressures transform misconduct from HR concerns into strategic organizational challenges and why firms may prioritize confidentiality strategies.

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Introduction

Sexual misconduct in the workplace — encompassing a spectrum of harmful behaviors including harassment, assault, and jokes or comments that devalue individuals based on their sex (Equal Employment Opportunity Commission, 1980) — is widespread and has complex and lasting consequences for affected individuals. Nearly 60% of women and 27% of men report having personally experienced unwanted sexual advances or sexual harassment, either verbal or physical, in workplace or non-workplace settings (Graf, 2018). Experiencing sexual misconduct can have severe personal consequences: it diminishes job satisfaction, heightens the desire to leave one's position, and undermines psychological well-being, potentially leading to anxiety, stress disorders, and depression (Schneider, Swan and Fitzgerald, 1997; Cortina and Berdahl, 2008; Fitzgerald and Cortina, 2018). Further research shows that it drives women away from organizations (Folke and Rickne, 2022; Adams-Prassl et al., 2024; Collis and Van Effenterre, 2024; Batut, Coly and Schneider-Strawczynski, 2022). Although researchers have made important strides in documenting the consequences of sexual misconduct on individual workers, we know much less about how such misconduct affects organizational-level outcomes such as productivity.

Organizations invest substantial resources in preventing sexual misconduct while simultaneously and presumably protecting perpetrators when incidents occur – a paradox that suggests competing organizational priorities. Many companies try to follow best practices by, for example, mandating anti-sexual harassment training (Antecol and Cobb-Clark, 2003; Kalev, Dobbin and Kelly, 2006; Dobbin and Kelly, 2007; Dobbin and Kalev, 2019). In fact, states such as New York, Massachusetts, and California require such programs by law. However, when misconduct occurs, organizations routinely implement non-disclosure agreements and retain accused employees (Adams-Prassl et al., 2024; Barmes, 2023).

One mechanism that may help explain both the efforts to prevent sexual harassment from happening and the efforts to presumably protect perpetrators is that organizations are seriously concerned about the organizational consequences of public exposure. This behavior

aligns with stigma-by-association theory, whereby publicized scandals affect linked individuals and organizations beyond the directly involved (Hudgens and Halloran, 2008; Lange, Lee and Dai, 2011). To explore this possibility, this study examines the productivity consequences of sexual misconduct in organizations.

Studying sexual misconduct in organizations is challenging. Sexual misconduct is often not recorded or systematically underreported (Fitzgerald, Swan and Fischer, 1995; Boudreau et al., 2023; Dahl and Knepper, 2021; Cheng and Hsiaw, 2022), making data hard to obtain. Moreover, granular personnel and productivity data is required to study overall productivity.

To overcome these challenges I turn to university departments. This setting offers several key advantages. First, research has become collaborative and gender diverse, allowing us to study the spillover effects of sexual misconduct incidents on both men and women. Second, while imperfect, data about sexual misconduct cases exists. Third, one of university departments' key output — namely scientific publications — is an established measure and offers rich information about productivity. Moreover, university departments are central sites of scientific production and intellectual innovation, with far-reaching implications for knowledge creation and broader economic outcomes (Agrawal and Henderson, 2002; Azoulay, Graff Zivin and Wang, 2010; Stephan, 2010; Chandra and Xu, 2025).

In this important empirical setting, I examine *how sexual misconduct incidents in university departments affect scientific production.* I build a panel dataset for over 5,000 university departments across nine disciplines between 1980 and 2024. To construct the treated departments, I use a dataset of all sexual misconduct cases at universities in the United States that have been publicized between 1980 and 2024. I use the full set of universities and randomly select nine departments per university as the comparison university departments. To meaningfully study the relationship between sexual misconduct and productivity, I restrict my sample to research-focused universities where the accused individual was a faculty, resulting in 359 treated and 5,076 control university departments.

I hand-collect over 1,300 lawsuits, news articles, or proprietary documents shared through online document libraries which allow me to establish two crucial points of time: the year

when sexual misconduct starts to occur and the year when public reporting begins. I use these two points of time as two different "treatment" times to establish the causal relationship of (1) the occurrence of sexual misconduct and (2) the public reporting of sexual misconduct.

To construct a suitable comparison group for departments where sexual misconduct was publicly reported, I pair Coarsened Exact Matching (CEM) with a staggered difference-in-differences event study design. University departments are matched on five covariates: discrimination and harassment state laws, whether the university is public or private, discipline, research intensity of the university department, department size.

The results indicate that *public reporting* of sexual misconduct incidents hurts university departments' overall productivity, but that the *occurrence* of sexual misconduct does not. The public reporting of sexual misconduct reduces the average number of publications per department member per year by 0.1 (p-value < 0.05) within the first five years after the incident becomes public. In other words, for a department of 20 faculty members, that results in ten fewer publications five years after the incident becomes public compared to its comparison departments. However, the average number of publications per department member remains indistinguishable from zero for departments where sexual misconduct occurred compared to control departments. This null effect at the average masks some heterogeneity, however. I find that in departments where withdrawal from research is possible and costless—for example, by switching to patient-focused activities without financial penalty—sorting does occur and department members shift away from research activities.

My main findings are consistent with stigma-based and cognitive mechanisms that reveal a crucial distinction between contained and spillover effects. When sexual misconduct remains private, stigma, fear of retaliation, and privacy concerns typically contain its organizational impact. Specifically, my findings that the occurrence of sexual misconduct has no discernible effect on productivity overall suggest that directly affected individuals avoid sharing the stigmatized event with others due to self-blame, shame, and fear of negative judgment from others (Goffman, 1963, 1959). Thus, knowledge about misconduct incidents appears to remain limited to directly affected individuals and those with close ties to them.

However, when sexual misconduct becomes public, different mechanisms emerge. Public reporting creates reputational damage and productivity losses that extend beyond the direct victims, consistent with stigma by association (Lange, Lee and Dai, 2011), where publicized misconduct negatively affects individuals with observable ties to the accused through department membership (McDonnell and Werner, 2016; Barnett and King, 2017; Janney and Gove, 2017) or shared social group characteristics (Greve, Palmer and Pozner, 2010; Jensen, 2006).

Thus, certain organizations might find themselves in a double bind where they must balance demands for increased transparency while protecting the privacy of all parties involved against the organizational costs arising from public reporting about sexual misconduct incidents. These findings reveal that broad organizational costs emerge specifically from public disclosure rather than from the misconduct itself. This might explain both why social pressures transform misconduct from HR concerns into strategic organizational challenges and why firms may prioritize confidentiality strategies.

1 Sexual Misconduct in Organizations

Sexual misconduct refers to unwelcome sexualized conduct and consists of unwanted sexual attention and sexual coercion (Cortina and Areguin, 2021; Cheng and Hsiaw, 2022). Unwanted sexual attention includes unwelcome and sometimes traumatizing expressions of sexual interest. Examples include unwanted sexualized talk, nonconsensual touching, forcible kissing, and sexual assault (Fitzgerald et al., 1988; Fitzgerald, 2019). Sexual coercion, on the other hand, is the act of making employment (i.e., getting and keeping a job) and other professional rewards (i.e., promotions, grants, or social recognition) contingent on sexual cooperation (Cortina and Areguin, 2021). Sexual misconduct often goes hand in hand with gender harassment, which encompasses sexual jokes and acts that devalue individuals based on their sex (Leskinen, Cortina and Kabat, 2011; Leskinen and Cortina, 2014). This definition is more extensive than the legal definition oftentimes found in the literature (Folke and Rickne, 2022; Collis and Van Effenterre, 2024), as legal frameworks depend on local legislative frameworks and, more

importantly, focus on the harms imposed on the victim, while in this study, we look at the effects of sexual misconduct on organizations (Cheng and Hsiaw, 2022).

Sexual misconduct remains prevalent in organizations. A nationally representative random-digit dial phone survey in the U.S. suggests that 47% of respondents have experienced sexual harassment at work (Rospenda, Richman and Shannon, 2009). The organizational impact of this prevalence is amplified by the fact that these incidents are typically not isolated events. In one survey, 66 percent of respondents who had recently experienced such misconduct reported that it happened to them more than once (Morral, Gore and Schell, 2015).

While many factors contribute to the occurrence of sexual misconduct in the workplace, such as individual characteristics (Pryor, 1987; Pryor, LaVite and Stoller, 1993) or status (Berdahl, 2007), a large body of work shows that organizational climate, gender imbalance, and power imbalance play critical roles. For instance, organizations that do not tolerate offensive behavior and maintain a climate of respect and fairness are significantly less likely to report cases of sexual harassment (Fitzgerald, Hulin and Drasgow, 1994; Pryor, LaVite and Stoller, 1993; Willness, Steel and Lee, 2007). Moreover, being in the gender minority within an occupation is strongly correlated with disproportionate levels of sexual misconduct (Mansfield et al., 1991; Welsh, 1999; Folke and Rickne, 2025; Subramani and Gorbatai, 2025). Both men and women experience heightened risks of sexual harassment from colleagues and supervisors in occupations numerically dominated by the opposite gender Folke and Rickne (2025). Similarly, asymmetries in power, whether stemming from differences in seniority or from economic vulnerability, further contribute to the risk of experiencing sexual misconduct (Fitzgerald, Hulin and Drasgow, 1994; Ilies et al., 2003; Popovich and Warren, 2010; Hershcovis et al., 2017; Adams-Prassl et al., 2024). Moreover, power can itself trigger misconduct against women who attain it, as harassment is often deployed as a sanction for violating prescriptive gender norms at work (McLaughlin, Uggen and Blackstone, 2012).

While the current evidence points toward more systemic reasons at the organizational level as enablers of sexual misconduct, the effects of it have been primarily examined at the individual level. Sexual misconduct produces significant adverse psychological and career

consequences for individual victims. It is associated with depression, anxiety, stress, and PTSD (Schneider, Swan and Fitzgerald, 1997; Cortina and Berdahl, 2008; McLaughlin, Uggen and Blackstone, 2017). It also leads to lower job satisfaction, increased chance of withdrawal, and a higher likelihood of exiting the organization (Schneider, Swan and Fitzgerald, 1997; Sims, Drasgow and Fitzgerald, 2005; Cortina and Berdahl, 2008; McLaughlin, Uggen and Blackstone, 2017; Adams-Prassl et al., 2024).

1.1 Sexual Misconduct Incidents and Organizational Performance

While research has documented the consequences of sexual misconduct for those directly targeted, there is reason to expect that its impact extends further. Misconduct is rarely experienced in isolation; it unfolds in organizational contexts where the consequences of its occurrence and handling may reverberate beyond the immediate victim (e.g., Acquadro Maran, Varetto and Civilotti, 2022; Trawalter et al., 2022). Moreover, if misconduct is revealed publicly, it may have additional implications for members of the focal organization (Cheng et al., 2024). By shifting attention to these broader potential dynamics, we can begin to capture the organizational consequences of sexual misconduct more comprehensively. This focus also resonates with the broader literature on organizational wrongdoing and deviance, which demonstrates that individual acts of misconduct can have significant implications for organizational performance that extend far beyond the directly affected parties and the immediate perpetrator (see Alexander, 1999; Karpoff, Lee and Vendrzyk, 1999; Karpoff, Lee and Martin, 2008).

As this section will discuss, some organizational consequences of sexual misconduct may arise directly from its occurrence. These may include increased employee sorting and internal disruptions associated with investigations, remedial actions, and related processes. Beyond these immediate effects, the public reporting of misconduct, often unexpected and abrupt, might generate additional ripple effects. Public reporting may compel the organization to focus on reputation management and organization members to grapple with the misconduct and the potential implications of its occurrence and its public reporting. In addition, when

an incident of misconduct becomes public knowledge, external audiences such as suppliers, investors, and other exchange partners may distance themselves from the focal organization, with potentially adverse implications for performance.

Organizational Effects of Occurrence

There are reasons to believe that the occurrence of sexual misconduct might affect productivity through employee sorting and organizational measures. Evidence suggests that victims share their experiences with colleagues of the same gender and warn others of the same gender to keep them safe through "whisper networks" (Meza, 2017; Johnson, 2023). Learning about a colleague's experience with sexual misconduct at the workplace is shown to affect task conflict and performance (Raver and Gelfand, 2005). Additionally, while evidence is sparse, some research suggests that witnessing or being a bystander is associated with negative emotional and psychological consequences, and may even trigger physical harassment toward the bystander (Hitlan, Schneider and Walsh, 2006; Dionisi and Barling, 2018; Flecha, 2021; Acquadro Maran, Varetto and Civilotti, 2022). Given this body of evidence, there is a possibility that the occurrence of sexual misconduct shapes organizational performance via collaboration decisions and worker disruption.

Moreover, reports of sexual misconduct may trigger organizational investigations and audits, which may in turn lead to remedial measures. These investigations often involve interviewing the parties and witnesses involved (Bedera, 2024) and may culminate in organization-wide interventions, such as extensive sexual misconduct training programs, the introduction of new grievance policies and procedures, audits, and other bureaucratic measures (see, e.g., Cortina and Berdahl, 2008; Dobbin and Kelly, 2007). Taken together, processing and addressing sexual misconduct complaints may be disruptive and time-intensive and could divert attention and resources from organization members' core functions.

However, these effects may be constrained by barriers to the intra-organizational flow of information. Many sexual misconduct incidents remain unreported (Boudreau and Kaushik, 2023; Sockin and Sojourner, 2023), as affected individuals often prefer to keep information

about the incidents to themselves (Rowe, 1996). Victims and witnesses may be particularly reluctant to share information or report incidents due to fear of stigma and retaliation (Cortina and Magley, 2003; Rehg et al., 2008; Dobbin and Kalev, 2019; Dahl and Knepper, 2021). Even if an incident is reported, organizational procedures are typically designed to maintain confidentiality and minimize the spread of information. For instance, the U.S. Equal Employment Opportunity Commission (EEOC) states that "employers will protect the confidentiality of harassment complaints to the extent possible" (Feldblum and Lipnic, 2016, p. 38). In addition, many organizations reinforce secrecy through formal confidentiality policies and non-disclosure agreements that prohibit parties from discussing incidents and investigations once concluded. Together, these barriers to information flow can limit collective awareness of a sexual misconduct incident within an organization, thereby muting the potential consequences of misconduct beyond those directly affected.

Indeed, even when some organization members eventually learn of a misconduct case, for instance, through whisper networks (Johnson, 2023; Meza, 2017), pluralistic ignorance may keep the information contained (Allport, 1924). Several organization members may know about a transgression, yet remain uncertain whether others are aware. Believing that they might be the only ones who know, individuals may hesitate to act, creating a barrier to coordination. In addition, the threat of a potentially damaging scandal may also discourage organization members from discussing incidents openly (see Adut, 2005). As a result, information about sexual misconduct incidents may not travel far within an organization, and thus their broader organizational consequences may remain constrained.

Organizational Effects of Public Reporting

Sexual misconduct incidents may become public through news coverage or whistleblower disclosures. In such cases, beyond the effects of the occurrence of sexual misconduct, public revelations may create distinct dynamics both inside and outside the organization. Internally, public reporting can alter organizational dynamics by lowering coordination barriers to collective action.

As a result of public reporting, a sexual misconduct incident becomes common knowledge within the organization. Awareness is no longer confined to a subset of members but extends to everyone, both internally and externally. Given the barriers to information flow discussed earlier, many organization members may learn of the case for the first time through such disclosure. Thus, public revelations not only eliminate ignorance of the incident but also resolve the pluralistic ignorance surrounding it. In addition, public revelation can lead to disruptive publicity (Adut, 2005), making inaction within the organization difficult to sustain.

Regardless of prior knowledge, the public disclosure of sexual misconduct incidents is likely to trigger sensemaking among organization members as they seek to interpret and process the event. Sensemaking, defined as the effort to understand issues or events that are novel, ambiguous, or otherwise violate expectations (Maitlis and Christianson, 2014), is a common response to crisis situations (Wiesenfeld, Wurthmann and Hambrick, 2008) and arises when unexpected events disrupt routine activities. Through this process, individuals construct plausible explanations by selecting and interpreting cues through existing mental frameworks (Weick, 1988, 1995; Weick, Sutcliffe and Obstfeld, 2005; Maitlis and Sonenshein, 2010). Because sensemaking is an inherently social process (Allport, 1924; Maitlis and Christianson, 2014), public disclosure of sexual misconduct may produce complex and disruptive cognitive and social processes across the organization. Such disruptions, in turn, may be especially consequential in knowledge-intensive settings, where organizational outcomes depend directly on cognitive performance (Blackler, 1995).

Furthermore, public revelation stigmatizes the organization itself (Adut, 2005; Hudson, 2008), as seen in other domains such as bankruptcy (Sutton and Callahan, 1987; Neu and Wright, 1992; McKinley, Ponemon and Schick, 1996) or doping scandals in sports (Yenkey and Palmer, 2025). Through association, organization members also become tainted (McDonnell and Werner, 2016; Barnett and King, 2017; Janney and Gove, 2017; Zhang et al., 2021). Stigmatization, particularly when morally grounded, often provokes strong emotions and social punishment, though the extent of taint and sanctioning depends on perceived blameworthiness (Jones, 1984; Gomulya and Boeker, 2016; Bruyaka, Philippe and Castañer, 2018).

Organizations and their members may respond to stigmatizing events through strategies such as covering (controlling the narrative), withdrawing from relationships, or passing (maintaining normalcy; Goffman, 1963; Page, 1984; Sutton and Callahan, 1987). In the case of publicized sexual misconduct, however, passing and withdrawal are often untenable, leaving narrative control as the primary option — one that typically requires extensive communication with collaborators and partners. While individual members engage in sensemaking and narrative management at the personal level, organizations simultaneously confront the imperative of managing reputational crisis. This task is fraught: traditional strategies for addressing taint can prove inadequate or even counterproductive (Page, 1984; Sutton and Callahan, 1987; Cheng et al., 2024). Concealment or deflection may appear as complicity, reframing is implausible, and denying responsibility risks being perceived as victim-blaming. As a result, transparency and the acceptance of responsibility often emerge as the most viable strategies, though these approaches are time-consuming and resource-intensive, potentially diverting attention and resources away from core organizational functions.

At the same time, externally, audiences that serve as key gatekeepers to resources and organizational success often respond to publicized sexual misconduct by distancing themselves from the stigmatized organization. Because stigma spreads through visible ties, suppliers, investors, collaborators, and customers may withdraw or downgrade their support (Goffman, 1963; Pontikes, Negro and Rao, 2010; McDonnell and Werner, 2016; Barnett and King, 2017; Janney and Gove, 2017). Such distancing has been documented across diverse contexts: firms entering Chapter 11 bankruptcy experience withdrawal from suppliers and degraded product quality Sutton and Callahan (1987); major adverse events reduce collaborations (McDonnell, Odziemkowska and Pontikes, 2021); public reporting in stigmatized industries increases divestiture (Durand and Vergne, 2015); and stigmatizing revelations diminish customer engagement (Piazza and Jourdan, 2018). Stigma-by-association can also operate at highly granular levels: blacklisted workers depress their colleagues' employment prospects (Pontikes, Negro and Rao, 2010), and stigmatized events can even curtail "ceremonial" citations in academia (Azoulay, Bonatti and Krieger, 2017). Taken together, these findings suggest that external dis-

tancing may be one way through which publicized misconduct affects organizational outcomes, likely unfolding simultaneously with the internal processes described above.

In summary, while prior research has emphasized the individual consequences of sexual misconduct, this study focuses on its organizational implications for productivity and performance. It distinguishes between effects that stem from the occurrence of misconduct within organizations and those that follow its public revelation. This distinction anchors the analysis and shifts attention from individual harms to broader organizational consequences.

2 Empirical Design, Data, and Estimation

Studying sexual misconduct comes with its challenges. Sexual misconduct is often not recorded or systematically underreported (Fitzgerald, Swan and Fischer, 1995; Boudreau et al., 2023; Dahl and Knepper, 2021; Cheng and Hsiaw, 2022), making data hard to obtain. Moreover, granular personnel and productivity data is required to study organizational outcomes and internal dynamics. To overcome these challenges and test the idea that stigma associated with sexual harassment shapes firm behavior, I turn to university departments. This setting offers several key advantages. First, research has become collaborative and gender diverse, allowing us to study spillover effects of sexual misconduct incidents on both men and women. Second, while imperfect, data about sexual misconduct cases exit. Third, one of university departments' key output – namely scientific publications – are an established measure and offer rich information about productivity and collaboration patterns. Moreover, university departments are central sites of scientific production and intellectual innovation, with far-reaching implications for knowledge creation and broader economic outcomes (Agrawal and Henderson, 2002; Azoulay, Graff Zivin and Wang, 2010; Stephan, 2010; Chandra and Xu, 2025).

To study the impact of sexual misconduct incidents on organizational and societal outcomes in academia, I construct a unique dataset that looks at the productivity outcomes.[1] The

[1] I define departments by following Clarivate's Core Collection containing 256 categories (https://mjl.clarivate.com/help-center and supplement these with SCImago categories when necessary

departments are listed under Appendix B. Treated departments have experienced a sexual misconduct case that became public.

2.1 Treated Research Departments

To construct the dataset of treated research departments, I leverage a dataset of all sexual misconduct incidents in academia that have been publicized. I use data from the Academic Sexual Misconduct Database (ASMD; Libarkin, 2024) to define a list of academics who have been linked to an exposed sexual misconduct incident. The database accessed on November 19, 2024 contains 1,294 incidents[2]. These are incidents which became public either through a lawsuit or media reporting and include resolved and ongoing incidents. Note, that when I say *publicized*, then I mean the newspapers have reported about the start of the investigation or lawsuit, any updates, or the conclusion of such. The incidents involve faculty members, administrators, coaches, and other staff. These cases have concluded between 1980 and 2024. For the purpose of this study, I focus on *resolved incidents* at *research-focused* institutions committed by *faculty*, which reduces the sample to 359 incidents.[3]

To construct the outcome variables, I use the institution and department information, at which the respective incidents occurred and collect the publications, citation information, reference information, and abstracts for each institution x department pair. I collect publication data from OpenAlex. OpenAlex is an open-source database providing access to over 200 million publication records by combining databases such as Microsoft Academic Graph (MAG), Crossref, ORCID, Unpaywall, Pubmed, Pubmed Central, ISSN, and others (Priem, Piwowar

(https://www.scimagojr.com/journalrank.php). Note, that for the purpose of this work, *departments* are defined as scholars who publish in a list of journals that corresponds to their department. Clarivate and SCImago call them categories.

[2]Note that the raw dataset contains two duplicates which I removed

[3]A university is considered research-focused if it has ever in its history been classified by Carnegie Classifications as one of these three categories: Research 1 - Very High Research Spending and Doctorate Production, Research 2 - High Research Spending and Doctorate Production, Research Colleges and University. I conducted a manual search and classification for the 57 universities without a Carnegie Classification. This removes 575 universities which are mostly technical colleges or U.S. Military/Navy Academies. Among the research-active universities, I remove ongoing cases (173) and cases for which both the individual and the discipline were unknown (83). Lastly, I remove all incidents which were committed by a coach, administrator, or unknown (126).

and Orr, 2022).[4] OpenAlex prides itself on a superior linkage of information compared to alternative data providers such as Web of Science, Lens.org, or Dimensions.

I manually assign the department by examining each of the 359 incidents in the dataset. I assign the department based on four pieces of information: Libarkin's assignment of discipline, online news articles, an algorithm based on the faculty's publications (in cases where they could be linked to OpenAlex), and the department affiliation reported on their publications (in cases where they could be linked to OpenAlex).[5]

The list of departments consists of topic categories constructed by Clarivate and SJR where each topic category is linked to a corresponding journal list.[6]. There are a total of 527 distinct topic categories which are listed under Appendix B. My dataset consists of 142 unique topic categories.

The 359 incidents took place at 139 unique institutions, one institution is anonymous. All 139 institutions could be matched to OpenAlex.[7] Of the 359 incidents, I can link 347 accused and publicly exposed faculty to an OpenAlex profile. This contains four names and eight incidents where we have enough information to assign a department and university but not enough information to identify the accused individual.[8]

[4]More information can be found here: https://openalex.org/about

[5]I hired research assistants who have experience in the life sciences and assigned the individuals in the social sciences myself.

[6]The SJR topic category "Economics and Econometrics"'s corresponding journal list, for example, consists of 166 journals ranging from "American Economic Review" to "Economics of Energy and Environmental Policy" or "NBER Macroeconomics Annual book series"

[7]I employed an automatic matching by institution name. Each institution that did not return a 1:1 match was matched manually where I search for the correct match if no potential match has been returned by the search algorithm and remove false positives. Note that I also remove universities which are abroad. For example, Duke University (https://openalex.org/I170897317) has a partner university with Wuhan University. That partner university is called Duke Kunshan University and is located in China (https://openalex.org/I4210159968). I remove that university since it is not located in the US and most likely unaware of inter-personal dynamics at the department of interest.

[8]This means all 12 cases can be used to estimate the total effect but they cannot be used to estimate peer effects.

2.2 Identification Strategy and the Construction of Control Research Departments

Given my interest in the effect of a sexual misconduct incident on scientific production, my empirical strategy is focused on changes in published research output after the incident (A) occurred and (B) was reported on by the media, respectively, relative to before the incident occured, was reported on by the media, or led to the departure of the faculty facing sexual misconduct allegations, respectively.[9] To ensure that I estimate the causal effect of interest and not some other influence that is correlated with the passage of time, my specifications include time-fixed effects. However, there may still be time-related confounders such as policies or event-related trends. To mitigate this threat to identification, I implement a coarse exact matching approach described below.

To construct the control research departments, I use the full set of U.S. based research-focused universities over the 1980-2022 time period. To construct this list of universities, I first construct a panel dataset of the IPEDS data between 1980 and 2023 and then construct a list of unique universities. IPEDS is a set of surveys conducted annually by the U.S. Department of Education's National Center for Education Statistics (NCES). Institutions that participate in a federal student aid program are required to respond according to the Higher Education Act of 1965. Note, that 2023 is the most recent data available.

I keep universities which have been categorized as research-active[10] according to the Carnegie Classification at least once in the history of Carnegie Classification. For that, I construct a panel dataset of the Carnegie Classifications between 1974 and 2023. I keep all university names which have ever been designated as a "Research University" during this time period. I then link the IPEDS database with the selection of research-active universities which results in a dataset of the universe of research-focused universities between 1980 and 2023. I then link these universities to OpenAlex. There are a total of 1152 research universities of

[9] Note that in approximately 65% of the reported cases, the accused faculty left the institution.

[10] Defined by Carnegie Classifications as one of these three categories: Research 1 - Very High Research Spending and Doctorate Production, Research 2 - High Research Spending and Doctorate Production, Research Colleges and University.

which 582 could not be matched with OpenAlex. I inspected all 582 universities. I was unable to manually match them to OpenAlex. A closer look of a subsample shows that they are not research-intensive universities. This leaves us with 564 control universities.

To construct control research *departments*, I assign nine randomly selected departments, where I select a department for each of the nine disciplines defined by Clarivate's Core Collection. This will construct 5,076 total control departments, 564 control departments per discipline. Note, since this is the universe of research-active universities x discipline pairs, a subset of these university x department pairs is, by definition, treated. Instead of removing them from the control set, I will account for that using a staggered treatment design. This will be discussed in Section 3.

2.3 Variable Construction

Outcome Variables

Number of Publications per Department Member I measure department x year productivity by counting the number of publications published every year by a given university department divided by the number of department members.[11] The publication data will be assembled at the department x year x publication level and then aggregated at the department x year or department x year x subgroup (for example, women faculty) level. To capture the productivity of all department members equally, I will count within-department co-authored publications multiple times. For example, if two department members co-author together, their publication will count as two publications.

Gender I will infer the department members' *gender* based on their first and, if available, middle name using genderize.io. I will use a statistical probability cut-off point of 90% for either the first or middle names or 75% for first and middle names jointly.

[11] This "per capita" measure overcomes the challenge of a power distribution, with a tail of zeros, that oftentimes comes with count variables (Chen and Roth, 2024).

Treatment Indicators I collect all publicly available materials on the set of publicly known sexual misconduct cases in the U.S. Academy (Libarkin, 2024). This includes news articles, lawsuit documents, proprietary documents posted on digital document libraries, and information shared in the Academic Sexual Misconduct Database. I have over 1,300 pieces of information for the 359 incidents. Based on this rich set of information, I code up the treatment indicators for *occurrence of a sexual misconduct*, *media reporting of a sexual misconduct incident*, and *departure of a faculty member facing sexual misconduct allegations* at the year level.

Spillover Effects by Gender I investigate whether the impact of sexual misconduct is different for men and for women department members, where I will infer their *gender* based on their first and, if available, middle name using genderize.io.

Ability to withdraw from research activities I categorize departments according to the ease of switching from research activities. This is a binary variable which takes the value zero if it is hard to maintain a faculty position without doing research (e.g., departments in the life sciences) and one if it is easy (e.g., departments in clinical medicine, law, architecture).

Covariates To assign a research discipline to each department, I use the nine primary disciplines based on Clarivate's Core Collection (https://mjl.clarivate.com/help-center): Agriculture, Biology & Environmental Sciences; Arts & Humanities; Business Collection; Clinical Medicine; Electronics & Telecommunication Collection; Engineering, Computing & Technology; Life Sciences; Physical, Chemical & Earth Sciences; Social And Behavioral Sciences.

To determine whether the university is a public or a private university, I use IPEDS' institutional datasets. I am able to match all 139 unique treated institutions with IPEDS data. The 564 control universities are part of the IPEDS dataset by design.

The research intensity at a given university is assigned using the Shanghai Ranking's *Global Ranking of Academic Subjects (GRAS)* which contains rankings of universities in 55 subjects across Natural Sciences, Engineering, Life Sciences, Medical Sciences, and Social

Sciences (Shanghai Consultancy, 2024). The ranking is ideal for the purpose of this research because it ranks universities based on research output and quality, faculty quality, and research collaborations.[12] In contrast, U.S. News Education Ranking focuses on research output *and* student experience, and the Carnegie Classifications are based on the number of doctoral degrees granted and the amount of research expenditure. I assign the GRAS at the university x subject level.

An institution's behavior is likely shaped by the laws under which it operates. To account for that, I construct a categorical variable at the state level that captures the extent to which state-level legal framework deviate from federal-law related to four categories: discrimination, workplace hostility, sexual harassment, and retaliation. To do so, I hand-collect the extent of legal deviations for each category.

Department size is determined by the number of publishing researchers in a given year.

3 Empirical Strategy

To estimate the causal effect of publicly exposed sexual misconduct incidents on academic department outcomes, I implement a staggered Difference-in-Differences (DiD) design. My approach incorporates Coarsened Exact Matching (CEM) as a preprocessing step to improve covariate balance before estimating treatment effects, allowing for causal inference under more credible assumptions. This section addresses empirical challenges, the matching design, and the regression specifications.

Departments experience the two "treatments" — occurrence of the misconduct and public reporting of it, respectively — at different points in time. The treatment effect is identified by comparing outcomes in treated departments before and after exposure, relative to matched control departments that have not yet been treated or will never be treated.

A department is classified as a valid control in a given treatment window if it did not experience a public sexual misconduct case within a symmetric 5-year window around the

[12]More information about their methodology can be found here: `https://www.shanghairanking.com/methodology/arwu/2024`

treatment year. I conduct robustness checks that tighten this requirement in two ways: (i) requiring that no other department in the same university was treated during the window, and (ii) restricting controls to departments in universities that are never treated.

The treatment in my setting is not randomly assigned. For a case to become public, it requires either involved parties that are willing to file a lawsuit or go public or local or national news media that is motivated and able to obtain evidence. This is more likely the case for sexual misconduct cases that are more severe or persistent and take place at public universities where information is easier to access, for example via freedom of information requests. To account for potential differences in observed covariates, I use a multi-stage coarse exact matching approach.

This multi-stage coarse exact matching approach directly addresses several causal challenges. First, the CEM pre-processing helps mitigate bias by ensuring that treatment and control departments are balanced on key covariates that might drive treatment effect heterogeneity. Second, by pre-processing data through CEM before parametric analysis, I reduce model dependence and sensitivity to specification choices (Ho et al., 2007). The matching procedure creates more comparable treatment and control groups, addressing the fundamental concern that departments experiencing misconduct incidents may systematically differ from those that do not.

Additionally, the inclusion of university x department fixed effects (ψ_u) in all specifications provides additional protection against potential confounding from institution-level factors. By differencing out all time-invariant university department characteristics, as well as any university-wide shocks that affect all university departments equally, this approach isolates the department-level impact of sexual misconduct incidents. This is particularly important given that universities may differ systematically in their reporting procedures, institutional cultures, and responses to misconduct cases. The university department fixed effects ensure that our estimates reflect the causal impact of misconduct at the department level rather than capturing university department-level heterogeneity.

It is important to discuss what treatment effect we estimate with this setup. Overall,

I estimate the average treatment effect (ATE). I supplement this analysis with sub-sample analysis to understand underlying heterogeneity in treatment effects. The data generating process leads me to estimate a lower bound effect when we look at the effect of *occurrence* of sexual misconduct. This is, because we compare departments where sexual misconduct took place (and became public) to a mix of departments where sexual misconduct did not take place and departments where sexual misconduct took place but did *not* become public. The extent of our lower bound hinges on the number of sexual misconduct cases which took place within our period of analysis. That is five years before and after the misconduct occurred in the treated department. We can think of this in two ways. First, we can make an educated guess about the prevalence of sexual misconduct during this time period based on survey data. Or, we can change the comparison group. We can simply use the not-yet-treated universities. With that setup, we assume all departments have experienced a sexual misconduct case.

When studying the effect of *public reporting* on organizational and societal outcomes, we already identify the effect of a sexual misconduct case becoming public versus not. Again, using the not-yet-treated universities as the comparison set will adopt a setup that assumes sexual misconduct is widespread but does not always become public.

My baseline model will be a simple difference-in-difference estimator which I will build out into a staggered Difference-in-Difference design (oftentimes called two-way fixed effects (TWFE)). Recent methodological developments allow me to address empirical challenges associated with staggered Difference-in-Difference design (de Chaisemartin and D'Haultfœuille, 2020; Callaway and Sant'Anna, 2021; Goodman-Bacon, 2021; Sun and Abraham, 2021; Baker, Larcker and Wang, 2022). Specifically, standard TWFE estimators can produce biased estimates in settings with heterogeneous treatment effects over time because they implicitly use already-treated units as controls for newly-treated units. This creates a weighted average of treatment effects where some effects receive negative weights, potentially leading to estimates with incorrect signs or magnitudes. My preferred specification uses the Sun and Abraham (2021) estimator which handles staggered Difference-in-Difference designs with treatment effect heterogeneity across cohorts and allows for matching weights.

To account for uncertainty across all stages of analysis, I employ cluster-robust standard errors at the university department level, addressing potential correlation in outcomes within departments over time.

3.1 Stage 1: Coarsened Exact Matching (CEM)

I employ a multi-stage approach that combines preprocessing through Coarsened Exact Matching (CEM) (Iacus, King and Porro, 2011, 2012) with subsequent regression-based analyses. This approach pairs departments that experienced sexual misconduct incidents with similar departments that did not experience such incidents based on pre-specified covariates. One of the key advantages of this approach is that it reduces model dependence by first addressing selection bias through matching before conducting parametric analysis (Ho et al., 2007). Note that for simplicity, I use *publication* as the outcome variable Y moving forward. But the analyses described below will also be conducted for the other outcomes of interest (citations, journal impact factor, and direction of science).

In the first stage, I implement CEM to create appropriate comparison groups by matching departments that experienced sexual misconduct incidents with similar departments that did not. The matching covariates are selected to address the fundamental challenge of selection bias in observational studies of sexual misconduct. To satisfy the conditional independence assumption necessary for causal inference, I identify and match on covariates that simultaneously predict both the likelihood of experiencing sexual misconduct incidents (treatment assignment) and departmental research productivity (outcome). This approach helps isolate the causal effect by creating balanced comparison groups that differ primarily in their treatment status rather than in other confounding characteristics.

Research Discipline. Research disciplines strongly influence the publication patterns (due to field-specific characteristics and norms). Thus, I stratify the matching process by research discipline. I use Clarivate's primary nine research categories defined in its Core Collection, where each of the 142 disciplines of the treated dataset is linked to one primary research

discipline.

Legal Framework at the State Level. Institution's behavior is likely influenced by the law they are governed by. To account for that, I construct a categorical variable at the state level that captures deviation of state-level legal framework compared to federal-law related to discrimination, workplace hostility, sexual harassment, and retaliation. To do so, I hand-collect the legal deviations.

Research Intensity. The research intensity at a given university is assigned using the ShanghaiRanking's *Global Ranking of Academic Subjects (GRAS)* which contains rankings of universities in 55 subjects across Natural Sciences, Engineering, Life Sciences, Medical Sciences, and Social Sciences Shanghai Consultancy (2024).

This matching approach ensures that treatment and control departments share similar characteristics across dimensions that jointly determine both the probability of experiencing observed sexual misconduct incidents and departmental research productivity. By creating well-balanced comparison groups through CEM before applying regression analysis, I reduce model dependence and strengthen causal identification (Ho et al., 2007).

Stage 2: Staggered Difference-in-Difference Estimation

Analysis 1: Overall Treatment Effect Analysis Using the matched sample from Stage 1, I estimate the overall effect of sexual misconduct incidents on department productivity. I apply the following weighted regression model to the matched data:

$$Y_{it} = \alpha_i + \lambda_t + \beta_1 Treat_i + \beta_2 Post_{it} + \tau(Treat_i \times Post_{it}) + \gamma DeptSize_{it} + \varepsilon_{it} \tag{1}$$

where Y_{iut} is the number of publications for university department i at time t, α_i are university department fixed effects, λ_t are time fixed effects, $Treat_i$ is a binary indicator equal to 1 for departments that experience a misconduct incident (and 0 otherwise), $Post_{it}$ is a binary indicator equal to 1 for periods after department i experiences a misconduct incident (and 0

otherwise), τ is the coefficient of interest representing the causal effect of sexual misconduct exposure on departmental productivity, γ controls for department size, and ε_{iut} is the error term.

Standard errors are clustered at the university x department level, and control university x departments are weighted using the CEM stratum-specific weights:

$$w_i = \begin{cases} 1 & \text{if } i \text{ is treated} \\ \frac{m_T^s}{m_C^s} & \text{if } i \text{ is a control unit in stratum } s \end{cases} \tag{2}$$

where m_T^s is the number of treated units in stratum s and m_C^s is the number of control units in stratum s. The inclusion of university fixed effects ψ_u allows me to difference out any institution-level effects while identifying the department-level impact of sexual misconduct incidents. This approach controls for all time-invariant university characteristics that might confound the relationship between misconduct and departmental outcomes.

I will report the average treatment effect over the five post-treatment periods for which I will take the simple average of τ (Equation 3) with a standard error of the mean of the post-treatment coefficients. I will then continue with reporting the full event study in standard event-study plots.

$$\bar{\tau} = \frac{\sum_{t=1}^{5} \tau_{it}}{5} \tag{3}$$

Analysis 2: Heterogeneity Analysis by Gender Continuing with the matched sample, I investigate how the impact of misconduct incidents varies across different demographic groups within departments. I analyze:

1. **Gender**: Separate analyses for publications by women and men department members.

For each subgroup analysis, I estimate:

$$Y_{it}^g = \alpha_i + \lambda_t + \beta_1 Treat_i + \beta_2 Post_{it} + \tau^g (Treat_i \times Post_{it}) + \gamma DeptSize_{it} + \varepsilon_{it} \tag{4}$$

where Y_{it}^g represents the productivity measure for subgroup g in university department i at time t, τ^g captures the causal effect of sexual misconduct exposure specific to subgroup g, and γ controls for department size.

3.2 Staggered Event Study Design

To investigate the time-dynamic of the treatment effect, I estimate an event-study specification:

$$Y_{it} = \alpha_i + \lambda_t + \sum_{k \neq -1} \beta_k \cdot \mathbb{1}(r_{it} = k) + \varepsilon_{it} \tag{5}$$

where $r_{it} = t - T_i$ is time relative to the treatment year. The year prior to the treatment is the omitted category ($k = -1$). I plot the coefficients β_k to visually assess pre-trends and time-dynamic treatment effects. My preferred specification uses the Sun and Abraham (2021) estimator since it allows for matching weights and takes into account heterogeneous treatment effects over time.

4 Results

To start, I want to contextualize the sexual misconduct cases that take place in research-focused universities, are committed by faculty, and become public. These misconduct cases take place in all disciplines of academia, from Arts & Humanities (34.8% of all cases) and Social & Behavioral Sciences (26.2%) to Engineering, Computer & Technology (4.2%) or Business (1.1%). The cases also range in severity. Out of all 359 misconduct cases, 132 involved sexual assault, 228 involved sexual harassment, 55 involved sexual advances, and 101 involved sexualized comments. Note, that these categories are not mutually exclusive and that several cases involve multiple types of sexual misconduct. These harmful actions are mostly taken by tenured faculty (in 67% of the cases)[13] In over half of the cases, we are dealing with a repeated

[13]Note, that this number is likely slightly upward biased since in some cases, it was unclear whether the stated rank was at time of misconduct or time of reporting.

offender. Specifically, 12.5% of the cases, the accused faculty receives two allegations. In 39.8% of the cases, the accused faculty commits sexual misconduct three or more times.

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About here:

Table 1: Characteristics of Sexual Misconduct Cases in University Departments

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The search of publications for the 5,076 universities from 1980 until 2024 yields a total of 1,374,089 publications and 7,820,515 authors. Gender could be assigned to 80.26 % of the authors. Out of all authors, 56.49% are algorithmically determined to be men and 23.78% are determined to be women. The remaining authors (19.74%) either carry a gender-ambiguous name or have a name that is unknown to the database. This includes authors for whom we only have the first initials.

Table 2 shows the summary statistics of the treated and the control departments in the year used for the matching. After matching, there are 201 final universities in the treatment department and 1,982 universities in the control department. The two groups look descriptively and unconditioned similar when we compare their legal environment. What is noticeable, however, is that group of treated departments consists of a higher share of public universities (73.63% versus 46.92%), a higher level of total publications (61 versus 18), on average, more department members (90 versus 31).

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Table 2: Summary Statistics of Treated and Control Departments

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The Coarsened Exact Matching (CEM) reduces the differences between the treated and the matched control university departments noticably from a multivariate L1 distance of 0.71 to 0.5 as shown in Table A2. When we look at the five matching variables, we can see that there is some imbalance for disciplines and matching on the department size. When comparing the mean of the main outcome variables in Table A1, it is perhaps worth pointing out that the average number of publications per department member at baseline is larger for the control

departments than for the treated departments both before (2.18 vs 1.53) and after (2.98 vs 1.51) matching.

Table 3 shows that the public reporting of sexual misconduct has a negative effect on the average number of publications per department member. My preferred estimate combines Coarsened Exact Matching weights with cohort-weights to adjust for heterogeneous treatment effects and is reported in column 5. It shows that sexual harassment has an overall negative effect on the number of publications per department members, ranging from 0.4 to 0.13 publications per year. In other words, over the course of five years after the misconduct case becomes public, for a department of 20 faculty members, that results in ten fewer publications five years after the incident becomes public compared to its comparison departments.

However, the result is robust to various approaches to difference-in-difference design, as Table 3, columns one to five show. Specifically, I start with an analysis in the form of a simple difference-in-difference design. Column 1 reports the average treatment effect over the five years following the public reporting of the sexual misconduct incident. Column 2 reports the same estimates but in the form of an event study. The average annual treatment effect of the five years after the public reporting of sexual misconduct is -0.04 publications per department member. The p-value is below the common alpha threshold of 0.05. This compares to an annual treatment effect ranging from -0.01 to -0.07 when we look at a simple event-study in column 2.

The estimates based on the matched sample are qualitatively similar but noticeably larger. Column 3 reports the average treatment effect over the five years following the public reporting of the sexual misconduct incident. Columns 4 reports the same estimates but in the form of an event study. Column 5 reports the matched event study using the Sun and Abraham (2021) estimator. The average annual treatment effect of the five years after the public reporting of sexual misconduct is -0.1 publication per department member. This estimate is directionally significant. This compares to an annual treatment effect range from -0.05. to -0.14 and from -0.04 and -0.13, respectively, when we look at the event study estimates in column 4 and 5.

The estimates from the event study suggest that the productivity effect appears over time,

with the highest decrease in productivity in year three. While I am unable to disentangle the precise mechanism, some may bear in mind the time it takes to publish research and interpret this as suggestive evidence that the delay in productivity losses is more likely to be linked to newer projects.

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Table 3: Effect of Public Reporting on Number of Publications per Department Member

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The effect varies somewhat for men and women department members. Table 4 shows that men who were members of a department where sexual misconduct occurred and was publicly reported on write 0.11 (p-value <0.10) fewer publications per year, on average, compared to men in comparable departments without publicized sexual misconduct case. For women, the effect is almost half (-0.06, p-value <0.05). What is noticable is that the standard error is much larger for the subsample of men department members when compared to the subsample of women department members, even though we have more power for the sample of men. Two possible explanations for this gender difference could be that either women leave the department or that the publicizing of sexual misconduct affects certain types of men differently.

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Table 4: The Effect of Public Reporting on Publication Output by Gender

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I provide suggestive evidence that occurrence of sexual misconduct has no discernible effect on publication numbers, as shown in Table 5. And this remains true when we look at women and when we look at men. Note that my estimation of the effect of the occurrence of sexual misconduct on productivity is a lower bound effect. This is because my comparison departments may also have experienced the occurrence of sexual misconduct but without subsequent reporting. Thus, the comparison group consists of departments where no sexual

misconduct took place *and* some departments where sexual misconduct took place but was never reported on.

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Table 5: Effect of Occurrence of Sexual Misconduct on Publication Output by Gender

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While there are no discernible effects on the overall publication output, it is still possible that this masks heterogeneity across departments. I will next explore whether withdrawal from research activities, the core activity of universities, can be observed in departments where switching to non-research activities are easily possible. This includes departments related to clinical medicine, where faculty can easily switch way from research to patient-focused activities without a financial penalty. I also include professional departments such as law or architecture in this category where faculty may be able to keep their faculty position and work on industry projects.

Table 6 presents the results. Column 1 reports the baseline regression, column 2 reports the event study estimates for departments where the switch away from research is hard. Column 3 reports the event study estimates for departments where the switch away from research is relatively costless. While there remains no discernible effect on the research output for departments, where it is hard ot move away for research, I document significant withdrawal in departments where withdrawal is possible. On average, a department member in this category reports 0.12 fewer publications for the five years after a sexual misconduct occurs, the p-value is below 0.01. As column 3 shows, the effect size is somewhat increasing over time, starting at -0.07 in the year of the event, and reaching -0.18 in the fifth year after the event.

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Table 6: Comparison of Departments with Varying Degrees of Ability to Switch

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5 Discussion and Conclusion

Through an empirical investigation of the occurrence and public reporting of sexual misconduct incidents, I demonstrate that sexual misconduct incidents bear organizational consequences and affect organizational productivity negatively. My staggered difference-in-difference analysis of 347 sexual misconduct incidents reveals nuanced effects on departmental research output. The occurrence of sexual misconduct in university departments has no discernible effect on the overall productivity in research output. However, professional departments, such as law, architecture, or clinical medicine — where switching to non-research activities is relatively easy and without financial penalty — experience a decline in research output following such incidents. Moreover, the public reporting of sexual misconduct precipitates a substantial decline in scientific production that persists for five years. These findings align with theoretical predictions that sexual misconduct may impact organizational performance through two distinct pathways: the occurrence of incidents through employee sorting and internal disruptions, although this impact may be limited due to information barriers, and public disclosure through sensemaking disruptions, stigmatization, and external stakeholder distancing.

Implications for Research on Sexual Misconduct in the Workplace

A core implication of this research is that sexual misconduct affects organizations more broadly than previously recognized. Sexual misconduct remains a pervasive issue in organizations. A robust body of literature examines how workplace sexual misconduct affects victims and other directly involved individuals (Schneider, Swan and Fitzgerald, 1997; Sims, Drasgow and Fitzgerald, 2005; Cortina and Berdahl, 2008; McLaughlin, Uggen and Blackstone, 2017; Adams-Prassl et al., 2024). The question of its effects on organizations more broadly is not well understood.

This study extends this important work by demonstrating that sexual misconduct incidents bear organization-wide consequences. Although no discernible effects on overall productivity emerge at the time of occurrence, I find that sexual misconduct incidents meaningfully influ-

ence organization members' decisions to shift away from research activities when alternative activities are available. These findings contrast with the outcomes when sexual misconduct incidents become public, which substantially reduces overall productivity for five years following the announcement.

These findings inform ongoing debates about organizational responsibilities and strategies as society demands increased transparency and accountability in workplace sexual misconduct cases. While organizations, stakeholders, policymakers, and scholars debate interventions and policies such as sexual harassment training or non-disclosure agreements, the evidence from the organizational perspective is lacking.

This work suggests that organizations taking a legal perspective on how to mitigate and handle sexual misconduct incidents might find themselves in a double bind where they have to balance responding to calls for increased transparency while being required to protect the privacy of all parties involved against the organizational costs arising from public discourse about sexual misconduct incidents. Although only suggestive, this work offers empirical evidence that the costs of publicly reporting sexual misconduct incidents may be an important channel through which sexual misconduct risks shift from an HR issue to a strategic one.

Implications for Research on Science of Science

A substantial body of work examines factors that shape the rate of scientific production. These include institutional factors such as tenure status (Tripodi et al., 2025), resource-based factors like access to frontier science (Iaria, Schwarz and Waldinger, 2018) and industry partnerships (Bikard, Vakili and Teodoridis, 2019), or moves between universities of different ranks (Deville et al., 2014), and combinatorial concerns via interdisciplinary collaborations (Leahey, Beckman and Stanko, 2017). This study extends this literature by demonstrating that social processes, specifically sexual misconduct, also shape scientific productivity.

This contribution builds on emerging research examining how heightened societal awareness of sexual misconduct affects scientific production. Recent work has shown that the MeToo movement alters the collaboration structures for women (Gertsberg, 2022) and that accusa-

tions of harassment affect collaboration patterns and recognition for accused faculty members (Maimone et al., 2025; Widmann, Rose and Chugunova, 2022). I advance this conversation by shifting the analytical focus from individual-level effects to department-level organizational disruptions, examining how sexual misconduct incidents reverberate throughout entire academic units—using a novel methodological approach that captures effects both at the time of incident occurrence and upon public revelation. I show that sexual misconduct incidents influence scientists' decisions to reallocate effort away from research when organizational structures permit such transitions and create department-wide productivity disruptions that extend far beyond the immediate parties involved.

The theoretical implications extend beyond the immediate context of sexual misconduct. By documenting how disruptions related to organizational climate translate into measurable changes in scientific output, this study contributes to a broader understanding of how social dynamics within academic institutions affect knowledge production. The findings reveal that factors traditionally considered peripheral to scientific productivity — such as organizational climate, interpersonal dynamics, and workplace disruptions — may play more central roles in shaping research outcomes than previously recognized.

More broadly, this study contributes to debates about gender and science by highlighting an indirect pathway through which gender inequality may hinder scientific progress. The underrepresentation of women in academic departments — a documented risk factor for sexual misconduct — may create conditions that ultimately reduce overall scientific productivity through the spillover effects documented here, suggesting that gender equality and the effort to mitigate cases of sexual misconduct from happening are relevant both for universities and society.

Implications for Research on Organizational Misconduct

Finally, this study contributes to the organizational misconduct literature. A large body of work has examined publicly revealed misconduct. Recent examples include the investigation of the Nyaga stockbrokerage fraud and its effects on subsequent market participation (Yenkey,

2018), the spillover effects on teammates and managers of publicly known doping cases (Yenkey and Palmer, 2025), and the study of child abuse scandals on the engagement in rites (Stroube and Zavyalova, 2024). For a more holistic understanding of organizational misconduct and its implications for organizations, we need to study different points in time and study these within-misconduct events simultaneously.

This study demonstrates that misconduct affects organizations not only upon public revelation but also at the time of occurrence, with distinct mechanisms operating at each stage. I find that these two points in time involve different channels through which they operate in an organization. I theorize that the occurrence of sexual misconduct triggers sorting mechanisms, as organization members reallocate their efforts, while public reporting activates cognitive processes and reputational management strategies. By examining misconduct at both temporal points simultaneously, this study provides a more nuanced understanding of the organizational sociology and economics of misconduct.

This dual-temporal approach challenges existing theoretical frameworks that treat misconduct as a single-point phenomenon. By demonstrating that organizational responses operate through fundamentally different mechanisms at the time of occurrence versus revelation, this study opens new avenues for understanding how organizations respond to internal crises more broadly. The findings suggest that theories focusing solely on post-revelation effects may miss critical organizational dynamics that shape long-term outcomes.

Moreover, the approach employed in this study—capturing both occurrence and revelation effects within the same organizational context—offers a methodological framework that could be applied to other forms of organization misconduct or crises. This within-event temporal analysis provides researchers with tools to examine the full lifecycle of organizational disruptions, rather than focusing on single moments in time.

These findings have important implications for regulatory approaches, internal governance structures, and industry-wide standards for handling misconduct. The evidence that misconduct triggers immediate sorting effects suggests that organizations and regulators should develop monitoring systems capable of detecting behavioral changes even before misconduct

becomes public. Furthermore, the distinct mechanisms operating at occurrence versus revelation indicate that organizations need differentiated response strategies—immediate interventions to address sorting behaviors and longer-term strategies focused on cognitive and reputational management.

These findings inform both theoretical understanding and practical management of organizational misconduct. For scholars, they highlight the importance of temporal sequencing in misconduct research and suggest that single-event studies may underestimate the full organizational impact. For practitioners, they underscore the need for proactive monitoring systems that can detect behavioral changes even before misconduct becomes public, and for developing differentiated response strategies that address both immediate sorting effects and longer-term reputational concerns.

Misconduct More Broadly

An intriguing question that emerges is whether sexual misconduct is conceptually equivalent to other forms of organizational misconduct, such as financial fraud (Kang, 2008; Stuart and Wang, 2016; Wang, Stuart and Li, 2021), doping (Yenkey and Palmer, 2025), or scientific fraud (Furman, Jensen and Murray, 2012; Lu et al., 2013; Azoulay et al., 2015; Gross, 2016; Azoulay, Bonatti and Krieger, 2017). There are reasons to believe that they are similar and comparable. For example, when becoming public, they oftentimes operate as a scandal and inflict negative stigma on organizations (Hudson, 2008). However, as Greve, Palmer and Pozner (2010, p. 54) note, "acts are labeled as misconduct whenever they are harmful or morally objectionable," suggesting that there may be more nuance to organizational misconduct than currently acknowledged and that further evidence may be needed to answer this question.

For example, there are reasons to believe that misconduct may relate to organizational performance and reward structures in distinct ways. Both financial fraud and scientific fraud, for example, could be understood as, in part, corrupted forms of performance enhancement. While they are associated with an apparent increase in organizational performance, they potentially exploit legitimate organizational activities to secure personal gains like bonuses,

promotions, funding, or status. However, these fraud types may differ in their systemic impact: financial fraud might produce more contained, short-term effects, while scientific fraud could redirect entire research fields and shape the future direction of scientific inquiry for decades.

Sexual misconduct might operate through somewhat different mechanisms. Rather than representing a corrupted version of normal organizational processes, sexual misconduct might involve the abuse of organizational power structures to inflict direct interpersonal harm. That is, the offender isn't simply transgressing in core organizational tasks—they are actively exploiting institutionally legitimized hierarchies and authority as tools to cause harm to others. The benefits to perpetrators may be unrelated to — and often counterproductive to — organizational performance metrics.

These potential distinctions suggest that sexual misconduct may be conceptually different from other forms of organizational misconduct, despite sharing certain organizational consequences such as creating scandals and reputational damage. While all forms of misconduct violate organizational norms, the underlying mechanisms, motivational structures, and relationships to organizational performance may vary substantially across misconduct types. Future research should systematically examine these potential conceptual differences to determine whether misconduct types require distinct theoretical and practical approaches.

Limitations and Future Research

As with all empirical work, this study operates within certain data constraints. The sexual misconduct cases examined here are those that eventually became public, creating a sample conditional on later revelation. While a complete census of all incidents would be ideal, this study represents an important first step in understanding the temporal dynamics of organizational misconduct. By demonstrating distinct effects at occurrence versus revelation even within this constrained sample, the findings establish both the theoretical importance and empirical feasibility of examining these dynamics. Future research can build on this framework as data systems evolve to capture a broader range of incidents.

Moreover, several avenues warrant future investigation to refine our understanding of or-

ganizational misconduct. Systematic reviews of literature or empirical comparisons of conceptually distinct types of misconduct in similar contexts would provide valuable insights into the distinctiveness of the different variations of organizational misconduct. Moreover, while this paper advances our understanding of spillovers associated with sexual misconduct, the boundaries of these effects remain unclear. Particularly important is understanding how sexual misconduct affects junior talent and their career trajectories, and exploring its explanatory power for the gender underrepresentation in certain fields.

Another important avenue for future work concerns organizational responses to sexual misconduct. One open question remains: why do organizations often retain perpetrators rather than terminate them? Adams-Prassl et al. (2024) find that women supervisors are more likely to dismiss perpetrators, while Collis and Van Effenterre (2024) provide exploratory evidence that individuals averse to hostile environments preferentially sort into departments with women supervisors. Understanding these dynamics could inform more effective organizational policies for addressing sexual misconduct while minimizing productivity losses.

Lastly, we have a surprisingly sparse understanding of the process within an organization after a sexual misconduct incident occurs. Scholars and policy makers alike would greatly benefit from a richer understanding of the processes, activities, and consequences that the occurrence and processing of sexual misconduct has on organizations.

Practical Implications

This study reveals that sexual misconduct incidents create organizational disruptions that operate through distinct mechanisms at occurrence versus public revelation. While misconduct occurrence triggers selective behavioral responses in departments where alternative activities are available, public revelation creates widespread productivity declines that persist for years across entire academic units.

These findings challenge common assumptions about organizational responses to sexual misconduct. The evidence that public revelation — rather than the misconduct itself — creates the most severe and persistent organizational disruptions suggests that institutional

concerns about transparency may be more complex than typically understood. Organizations facing calls for increased transparency may find themselves managing a fundamental tension. While ethical—and often legal—obligations require addressing misconduct, public disclosure creates substantial institutional costs that extend far beyond the immediate parties involved. This dynamic may help explain why organizations often appear reluctant to pursue complete transparency, as they balance moral imperatives against significant organizational consequences.

As organizations and institutions grapple with increasing demands for transparency and accountability, understanding these temporal dynamics becomes crucial for developing effective responses that address both immediate behavioral disruptions and longer-term reputational and productivity consequences. This study provides a foundation for such understanding while highlighting the substantial work that remains in building safer, more productive organizational environments.

6 Figures and Tables

Figures

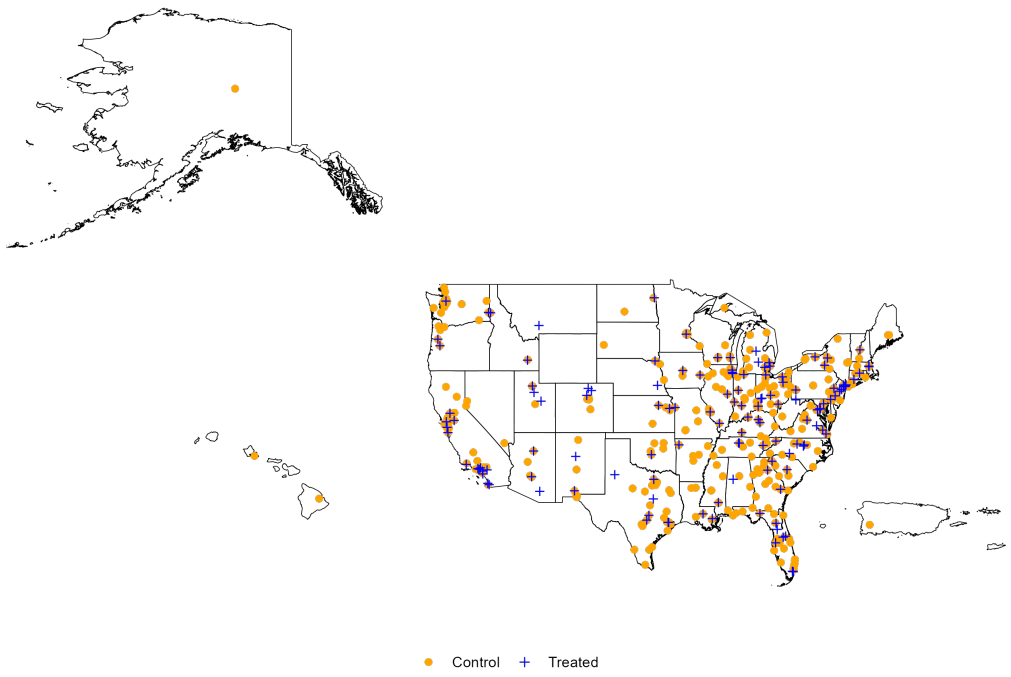

Figure 1: Geographic Distribution of Treated and Control Universities

Tables

Table 1: Characteristics of Sexual Misconduct Cases in University Departments

	Mean	Median	SD	Min.	Max.
Year of occurrence	2008	2010	9.65	1950	2025
Year of public reporting	2014	2017	7.27	1995	2025
Years of delay	6.96	3	8.80	0	74
Disciplines					
Agriculture, Biology & Environmental Sciences	7.26%	0	0.26	0	1
Arts & Humanities	31.68%	0	0.46	0	1
Business Collection	1.15%	0	0.11	0	1
Clinical Medicine	9.54%	0	0.29	0	1
Electronics & Telecommunication Collection	0.38%	0	0.06	0	1
Engineering, Computing & Technology	3.44%	0	0.18	0	1
Life Sciences	7.6%	0	0.27	0	1
Physical, Chemical & Earth Sciences	9.54%	0	0.29	0	1
Social And Behavioral Sciences	29.01%	0	0.45	0	1
Role/Position of Accused					
Assistant Professor	7.25%	0	0.26	0	1
Associate/Established/Tenured Professor	40.46%	0	0.49	0	1
Full Professor	29.39%	0	0.46	0	1
Emeritus	3.05%	0	0.17	0	1
Not Specified	19.85%	0	0.40	0	1
Type of misconduct					
Abuse of Power & Professional Misconduct	5.34%	0	0.23	0	1
Hostile Environment	5.73%	0	0.23	0	1
Retaliation	4.12%	0	0.20	0	1
Inappropriate Relationship	6.49%	0	0.25	0	1
Sexualized/Inappropriate Comments	3.82%	0	0.19	0	1
Sexual Harassment & Misconduct	26.71%	0	0.44	0	1
Stalking & Intimidation	5.34%	0	0.23	0	1
Sexual Violence & Assault	11.07%	0	0.31	0	1
Substance-related Harassment & Assault	0.76%	0	0.09	0	1
Number of allegations					
Once	35.88%	0	0.48	0	1
Twice	12.60%	0	0.33	0	1
Serial	41.22%	0	0.49	0	1
Unknown	10.31%	0	0.31	0	1
Role/Position of victim					
Peer (Faculty, Researcher, Colleague)	8.02%	0	0.27	0	1
Graduate or Postdoctoral Student	26.34%	0	0.44	0	1
Research or Teaching Assistant	2.29%	0	0.15	0	1
Undergraduate Student	3.05%	0	0.17	0	1
Student (level unknown)	44.27%	0	0.51	0	1
Other/Unknown	16.03%	0	0.37	0	1

Notes: Sample consists of 262 sexual misconduct cases at US research universities that became publicly known between 1980 and 2024 and could be matched to control departments. Years of delay represents the time elapsed between the occurrence of misconduct and its public reporting. Type of misconduct and role/position of victim categories are not mutually exclusive, as cases may involve multiple types and victims. Abuse of power & professional misconduct, hostile environment, and retaliation are coded for context but are not counted as sexual misconduct for the main analysis in this paper.

Table 2: Summary Statistics of Treated and Control Departments

	Mean	Median	SD	Min.	Max.
Control Departments (Never-treated)					
University Characteristics (N = 1,982)					
Public Universities	46.92%	0	0.50	0	1
State Law compared to Federal Law					
Compliant	43.90%	0	0.50	0	1
Slightly Expanded	23.36%	0	0.42	0	1
Significantly Expanded	32.04%	0	0.47	0	1
Department Characteristics (N = 1,038)					
Total publications	18.09	3	49.88	0	969
Articles Share	0.68	0.95	0.43	0	1
Department member count	30.61	1	5	0	2,129
Female member count	8.08	1	26.68	0	565
Male member count	16.71	3	54.42	0	1,178
Treated Departments					
University Characteristics (N = 201)					
Public Universities	73.63%	1	0.44	0	1
State Law compared to Federal Law					
Compliant	46.27%	0	0.50	0	1
Slightly Expanded	13.93%	0	0.35	0	1
Significantly Expanded	38.81%	0	0.49	0	1
Department Characteristics (N = 180)					
Total publications	60.96	26.5	98.53	0	742
Articles Share	0.89	0.97	0.21	0	1
Department member count	89.52	38.5	131.10	0	743
Female member count	26.91	13	41.90	0	313
Male member count	45.82	18	68.11	0	351

Notes: This table presents summary statistics for treated departments (those experiencing publicly reported sexual misconduct) and matched control departments. University characteristics are stable over time. Department characteristics are measured at baseline (t-1).

Table 3: Effect of Public Reporting on Number of Publications per Department Member

	Simple DiD (1)	Simple Event-study (2)	Matched DiD (3)	Matched Event-study (4)	Sun & Abraham (5)
Treatment Post	-0.0402*		-0.0950†		
	(0.0186)		(0.0521)		
5 years before treatment		0.0166		-0.0117	-0.0154
		(0.0207)		(0.0259)	(0.0276)
4 years before treatment		0.0231		-0.0075	-0.0086
		(0.0227)		(0.0287)	(0.0290)
3 years before treatment		0.0084		-0.0187	-0.0134
		(0.0223)		(0.0265)	(0.0263)
2 years before treatment		-0.0104		-0.0460	-0.0598*
		(0.0247)		(0.0304)	(0.0287)
1 years before treatment		(.)		(.)	(.)
Event period (t=0)		-0.0107		-0.0502	-0.0386
		(0.0245)		(0.0397)	(0.0339)
1 year after treatment		-0.0394		-0.0983†	-0.0905†
		(0.0250)		(0.0519)	(0.0477)
2 years after treatment		-0.0523*		-0.1050†	-0.1142*
		(0.0232)		(0.0544)	(0.0509)
3 years after treatment		-0.0742**		-0.1440*	-0.1327*
		(0.0247)		(0.0656)	(0.0612)
4 years after treatment		-0.0421		-0.1156	-0.0969
		(0.0390)		(0.0802)	(0.0764)
5 years after treatment		-0.0137		-0.0766	-0.0517
		(0.0390)		(0.0671)	(0.0638)
Dept. Member Count (lagged)	0.0008*	0.0008*	0.0003	0.0003	
	(0.0003)	(0.0003)	(0.0004)	(0.0004)	
Observations	53,481	53,481	39,381	39,381	39,484
Clusters	2,086	2,086	1,485	1,485	1,494
R-squared	0.938	0.938	0.936	0.936	0.936
Unit FE	Yes	Yes	Yes	Yes	Yes
Year FE	Yes	Yes	Yes	Yes	Yes
Cohort-Specific FE	No	No	No	No	No

†$p < 0.10$, * $p < 0.05$, ** $p < 0.01$, *** $p < 0.001$. Dependent variable is publications per capita at the department level. Standard errors clustered at the department level in parentheses. Never-treated departments used as control group. Columns (3)-(5) use CEM-matched sample with analytical weights. Event study columns show dynamic treatment effects. Sun & Abraham column uses interaction-weighted estimator. All specifications include department and year fixed effects.

Table 4: The Effect of Public Reporting on Publication Output by Gender

	Public Reporting of Sexual misconduct		
	(1) Total	(2) Women	(3) Men
5 Year Average TE	-0.095*	-0.06**	-0.11†
	(0.048)	(0.016)	(0.025)
6 periods before treatment	-0.035	-0.037	-0.041
	(0.032)	(0.032)	(0.044)
5 periods before treatment	-0.017	-0.048	-0.030
	(0.026)	(0.034)	(0.035)
4 periods before treatment	-0.011	-0.050	0.002
	(0.032)	(0.026)	(0.49)
3 periods before treatment	-0.011	-0.017	-0.013
	(0.027)	(0.034)	(0.032)
2 periods before treatment	-0.063	-0.012	-0.091**
	(0.029)	(0.036)	(0.033)
1 periods before treatment	0.000	0.000	0.000
	(.)	(.)	(.)
Event period (t=0)	-0.043	-0.018	-0.044
	(0.034)	(0.033)	(0.04)
1 periods after treatment	-0.091†	-0.048	-0.087
	(0.047)	(0.037)	(0.054)
2 periods after treatment	-0.113*	-0.096***	-0.125*
	(0.049)	(0.031)	(0.062)
3 periods after treatment	-0.132*	-0.099***	-0.157†
	(0.061)	(0.029)	(0.085)
4 periods after treatment	-0.094	-0.059***	-0.159
	(0.075)	(0.046)	(0.104)
Observations	39,484	29,623	38,240
R-squared	0.9361	0.9448	0.8311

† $p < 0.10$, * $p < 0.05$, ** $p < 0.01$, *** $p < 0.001$. Standard errors clustered at university x department level. Fixed effects for university x department and years.

Table 5: Effect of Occurrence of Sexual Misconduct on Publication Output by Gender

	Occurrence of Sexual Misconduct		
	(1) Full Sample	(2) Women	(3) Men
5 Year Average TE	0.022	0.018†	-0.032
	(0.023)	(0.024)	(0.023)
6 periods before treatment	-0.017	-0.023	-0.005
	(0.021)	(0.037)	(0.047)
5 periods before treatment	0.019	0.030	0.032
	(0.025)	(0.051)	(0.049)
4 periods before treatment	-0.022	-0.034	-0.026
	(0.021)	(0.031)	(0.045)
3 periods before treatment	0.022	-0.007	0.020
	(0.026)	(0.033)	(0.043)
2 periods before treatment	0.051†	0.032	0.023
	(0.029)	(0.029)	(0.040)
1 periods before treatment	(.)	(.)	(.)
Event period (t=0)	0.007	0.008	-0.033
	(0.026)	(0.031)	(0.033)
1 periods after treatment	0.002	0.009	-0.011
	(0.025)	(0.036)	(0.033)
2 periods after treatment	0.079	0.093	-0.008
	(0.067)	(0.076)	(0.037)
3 periods after treatment	0.002	-0.012	-0.049
	(0.027)	(0.030)	(0.031)
4 periods after treatment	0.020	-0.006	-0.059
	(0.031)	(0.029)	(0.039)
5 periods after treatment	0.013		
	(0.022)		
Observations	53,841	29,623	35,880
R-squared	0.9385	0.9448	0.8893

† $p < 0.10$, * $p < 0.05$, ** $p < 0.01$, *** $p < 0.001$. Standard errors clustered at university x department level. Fixed effects for university x department and years.

Table 6: Comparison of Departments with Varying Degrees of Ability to Switch

	Occurrence of Sexual Misconduct		
	(1) Full Sample	(2) Hard to switch	(3) Professional / Clinical medicine
5 Year Average TE	0.022	0.037	-0.12**
	(0.023)	(0.025)	(0.034)
6 periods before treatment	-0.017	-0.018	-0.012
	(0.021)	(0.023)	(0.055)
5 periods before treatment	0.019	0.023	-0.032
	(0.025)	(0.027)	(0.053)
4 periods before treatment	-0.022	-0.017	-0.079*
	(0.021)	(0.022)	(0.034)
3 periods before treatment	0.022	0.024	-0.017
	(0.026)	(0.028)	(0.051)
2 periods before treatment	0.051†	0.060†	-0.040
	(0.029)	(0.032)	(0.040)
1 periods before treatment	(.)	(.)	(.)
Event period (t=0)	0.007	0.015	-0.067
	(0.026)	(0.028)	(0.044)
1 periods after treatment	0.002	0.011	-0.091*
	(0.025)	(0.028)	(0.040)
2 periods after treatment	0.079	0.099	-0.113*
	(0.067)	(0.075)	(0.052)
3 periods after treatment	0.002	0.018	-0.143*
	(0.027)	(0.028)	(0.063)
4 periods after treatment	0.020	0.036	-0.131*
	(0.031)	(0.034)	(0.059)
5 periods after treatment	0.013	0.031	-0.178**
	(0.022)	(0.024)	(0.062)
Observations	53,841	42,122	11,719
R-squared	0.9385	0.9397	0.9327

† $p < 0.10$, * $p < 0.05$, ** $p < 0.01$, *** $p < 0.001$. Standard errors clustered at university x department level. Fixed effects for university x department and years.

References

Acquadro Maran, Daniela, Antonella Varetto, and Cristina Civilotti. 2022. "Sexual Harassment in the Workplace: Consequences and Perceived Self-Efficacy in Women and Men Witnesses and Non-Witnesses." *Behavioral sciences*, 12(9).

Adams-Prassl, Abi, Kristiina Huttunen, Emily Nix, and Ning Zhang. 2024. "Violence against women at work." *The Quarterly Journal of Economics*, 139(2): 937–991.

Adut, Ari. 2005. "A theory of scandal: Victorians, homosexuality, and the fall of Oscar Wilde." *AJS; American journal of sociology*, 111(1): 213–248.

Agrawal, Ajay, and Rebecca Henderson. 2002. "Putting patents in context: Exploring knowledge transfer from MIT." *Management science*, 48(1): 44–60.

Alexander, Cindy R. 1999. "On the nature of the reputational penalty for corporate crime: Evidence." *The journal of law & economics*, 42(S1): 489–526.

Allport, Floyd Henry. 1924. "Social psychology (1924)." In *Public Domain Series*. 128–138. Bethlehem, PA:mediastudies.press.

Antecol, Heather, and Deborah Cobb-Clark. 2003. "Does Sexual Harassment Training Change Attitudes? A View from the Federal Level." *Social science quarterly*, 84(4): 826–842.

Azoulay, Pierre, Alessandro Bonatti, and Joshua L Krieger. 2017. "The career effects of scandal: Evidence from scientific retractions." *Research policy*, 46(9): 1552–1569.

Azoulay, Pierre, Jeffrey L Furman, Krieger, and Fiona Murray. 2015. "Retractions." *The review of economics and statistics*, 97(5): 1118–1136.

Azoulay, Pierre, Joshua S Graff Zivin, and Jialan Wang. 2010. "Superstar Extinction." *The quarterly journal of economics*, 125(2): 549–589.

Baker, Andrew C, David F Larcker, and Charles C Y Wang. 2022. "How much should we trust staggered difference-in-differences estimates?" *Journal of financial economics*, 144(2): 370–395.

Barmes, Lizzie. 2023. "Silencing at work: Sexual harassment, workplace misconduct and NDAs." *Industrial law journal*, 52(1): 68–106.

Barnett, Michael L, and Andrew A King. 2017. "Good Fences Make Good Neighbors: A Longitudinal Analysis of an Industry Self-Regulatory Institution." *Academy of Management Journal*.

Batut, Cyprien, Caroline Coly, and Sarah Schneider-Strawczynski. 2022. "It's a man's world: culture of abuse, #MeToo and worker flows." *Working Paper*.

Bedera, Nicole Krystine. 2024. *On the wrong side: How universities protect perpetrators and betray survivors of sexual violence*. University of California Press.

Berdahl, Jennifer L. 2007. "Harassment Based on Sex: Protecting Social Status in the Context of Gender Hierarchy." *AMRO*, 32(2): 641–658.

Bikard, Michaël, Keyvan Vakili, and Florenta Teodoridis. 2019. "When Collaboration Bridges Institutions: The Impact of University–Industry Collaboration on Academic Productivity." *Organization Science*, 30(2): 426–445.

Blackler, Frank. 1995. "Knowledge, knowledge work and organizations: An overview and interpretation." *Organization studies*, 16(6): 1021–1046.

Boudreau, Kevin J, and Nilam Kaushik. 2023. "Gender Differences in Responses to Competitive Organization? A Field Experiment on Differences Between STEM and Non-STEM Fields from an Internet-of-Things Platform." *Organization Science*.

Boudreau, Laura E, Sylvain Chassang, Ada Gonzalez-Torres, and Rachel M Heath. 2023. "Monitoring Harassment in Organizations." *NBER Working Paper*, , (31011).

Bruyaka, Olga, Déborah Philippe, and Xavier Castañer. 2018. "Run away or stick together? The impact of organization-specific adverse events on alliance partner defection." *Academy of management review*, 43(3): 445–469.

Callaway, Brantly, and Pedro H C Sant'Anna. 2021. "Difference-in-Differences with multiple time periods." *Journal of econometrics*, 225(2): 200–230.

Chandra, Amitabh, and Connie Xu. 2025. "Where discovery happens: Research institutions and fundamental knowledge in the life-sciences." National Bureau of Economic Research w33996, Cambridge, MA:National Bureau of Economic Research.

Cheng, Danqiao, Serena Does, Seval Gündemir, and Margaret Shih. 2024. "How organizational responses to sexual harassment claims shape public perception." *Basic and Applied Social Psychology*, 1–18.

Cheng, Ing-Haw, and Alice Hsiaw. 2022. "Reporting Sexual Misconduct in the #MeToo Era." *American Economic Journal: Microeconomics*, 14(4): 761–803.

Chen, Jiafeng, and Jonathan Roth. 2024. "Logs with zeros? Some problems and solutions." *The Quarterly Journal of Economics*, 139(2): 891–936.

Collis, Manuela R, and Clémentine Van Effenterre. 2024. "Workplace Hostility."

Cortina, Lilia M, and Jennifer L Berdahl. 2008. "Sexual harassment in organizations: A decade of research in review." *The SAGE Handbook of Organizational Behavior: Volume I - Micro Approaches*, 469–497.

Cortina, Lilia M, and Maira A Areguin. 2021. "Putting people down and pushing them out: Sexual harassment in the workplace." *Annual review of organizational psychology and organizational behavior*, 8(1): 285–309.

Cortina, Lilia M, and Vicki J Magley. 2003. "Raising voice, risking retaliation: Events following interpersonal mistreatment in the workplace." *Journal of occupational health psychology*, 8(4): 247–265.

Dahl, Gordon B, and Matthew M Knepper. 2021. "Why is Workplace Sexual Harassment Underreported? The Value of Outside Options Amid the Threat of Retaliation." *NBER Working Paper*.

de Chaisemartin, Clément, and Xavier D'Haultfœuille. 2020. "Two-Way Fixed Effects Estimators with Heterogeneous Treatment Effects." *The American economic review*, 110(9): 2964–2996.

Deville, Pierre, Dashun Wang, Roberta Sinatra, Chaoming Song, Vincent D Blondel, and Albert-László Barabási. 2014. "Career on the move: geography, stratification, and scientific impact." *Scientific reports*, 4: 4770.

Dionisi, Angela M, and Julian Barling. 2018. "It hurts me too: Examining the relationship between male gender harassment and observers' well-being, attitudes, and behaviors." *Journal of occupational health psychology*, 23(3): 303–319.

Dobbin, Frank, and Alexandra Kalev. 2019. "The promise and peril of sexual harassment programs." *Proceedings of the National Academy of Sciences of the United States of America*, 116(25): 12255–12260.

Dobbin, Frank, and Erin L Kelly. 2007. "How to stop harassment: Professional construction of legal compliance in organizations." *American journal of sociology*, 112(4): 1203–1243.

Durand, Rodolphe, and Jean-Philippe Vergne. 2015. "Asset divestment as a response to media attacks in stigmatized industries: Asset Divestment as a Response to Media Attacks." *Strategic management journal*, 36(8): 1205–1223.

Equal Employment Opportunity Commission. 1980. "Guidelines on Discrimination Because of Sex: Sexual Harassment." 29 C.F.R. § 1604.11(a).

Feldblum, Chai R, and Victoria A Lipnic. 2016. "Select Task Force on the Study of Harassment int he Workplace." U.S. Equal Employment Opportunity Commission.

Fitzgerald, Louise. 2019. "Unseen: the sexual harassment of low-income women in America." *Equality Diversity and Inclusion An International Journal*, 39(1): 5–16.

Fitzgerald, Louise F, and Lilia M Cortina. 2018. "Sexual harassment in work organizations: A view from the 21st century." In *APA handbook of the psychology of women: Perspectives on women's private and public lives, Vol.* Vol. 2, , ed. Cheryl B Travis, 215–234. Washington, DC, US:American Psychological Association, xvi.

Fitzgerald, Louise F, Charles L Hulin, and Fritz Drasgow. 1994. "The antecedents and consequences of sexual harrassment in organizations: An integrated model."

Fitzgerald, Louise F, Sandra L Shullman, Nancy Bailey, Margaret Richards, Janice Swecker, Yael Gold, Mimi Ormerod, and Lauren Weitzman. 1988. "The incidence and dimensions of sexual harassment in academia and the workplace." *Journal of vocational behavior*, 32(2): 152–175.

Fitzgerald, Louise F, Suzanne Swan, and Karla Fischer. 1995. "Why didn't she just report him? The psychological and legal implications of women's responses to sexual harassment." *The Journal of Social Issues*, 51(1): 117–138.

Flecha, Ramón. 2021. "Second-order sexual harassment: Violence against the silence breakers who support the victims." *Violence against women*, 27(11): 1980–1999.

Folke, Olle, and Johanna Rickne. 2022. "Sexual Harassment and Gender Inequality in the Labor Market*." *The quarterly journal of economics*, 137(4): 2163–2212.

Folke, Olle, and Johanna Rickne. 2025. "Sexual harassment across occupations: new evidence from Swedish Nationally representative data." *European sociological review*, jcaf020.

Furman, Jeffrey L, Kyle Jensen, and Fiona Murray. 2012. "Governing knowledge in the scientific community: Exploring the role of retractions in biomedicine." *Research policy*, 41(2): 276–290.

Gertsberg, Marina. 2022. "The unintended consequences of #MeToo - evidence from research collaborations." *SSRN Electronic Journal*.

Goffman, Erving. 1959. *The presentation of self in everyday life.* Vol. A174 of *Anchor books*, New York, NY:Bantam Doubleday Dell Publishing Group.

Goffman, Erving. 1963. *Stigma: notes on the management of spoiled identity. A Spectrum book*, Englewood Cliffs, N.J.:Prentice-Hall.

Gomulya, David, and Warren Boeker. 2016. "Reassessing board member allegiance: CEO replacement following financial misconduct: Reassessing Board Member Allegiance." *Strategic management journal*, 37(9): 1898–1918.

Goodman-Bacon, Andrew. 2021. "Difference-in-differences with variation in treatment timing." *Journal of Econometrics*, 225(2): 254–277.

Graf, Nikki. 2018. "Sexual Harassment at Work in the Era of #MeToo." *Pew Research Center*.

Greve, Henrich R, Donald Palmer, and Jo-Ellen Pozner. 2010. "Organizations gone wild: The causes, processes, and consequences of organizational misconduct." *Academy of Management Annals*, 4(1): 53–107.

Gross, Charles. 2016. "Scientific Misconduct." *Annual review of psychology*, 67: 693–711.

Hershcovis, M Sandy, Babatunde Ogunfowora, Tara C Reich, and Amy M Christie. 2017. "Targeted workplace incivility: The roles of belongingness, embarrassment, and power." *Journal of organizational behavior*, 38(7): 1057–1075.

Hitlan, Robert T, Kimberly T Schneider, and Benjamin M Walsh. 2006. "Upsetting behavior: Reactions to personal and bystander sexual harassment experiences." *Sex roles*, 55(3-4): 187–195.

Ho, Daniel E, Kosuke Imai, Gary King, and Elizabeth A Stuart. 2007. "Matching as nonparametric preprocessing for reducing model dependence in parametric causal inference." *Political analysis: an annual publication of the Methodology Section of the American Political Science Association*, 15(3): 199–236.

Hudgens, Michael G, and M Elizabeth Halloran. 2008. "Toward causal inference with interference." *Journal of the American Statistical Association*, 103(482): 832–842.

Hudson, B. 2008. "Against all Odds: A Consideration of Core-Stigmatized Organizations." *Academy of Management Review*, 33(1): 252–266.

Iacus, Stefano M, Gary King, and Giuseppe Porro. 2011. "Multivariate matching methods that are monotonic imbalance bounding." *Journal of the American Statistical Association*, 106(493): 345–361.

Iacus, Stefano M, Gary King, and Giuseppe Porro. 2012. "Causal inference without balance checking: Coarsened Exact Matching." *Political analysis: an annual publication of the Methodology Section of the American Political Science Association*, 20(1): 1–24.

Iaria, Alessandro, Carlo Schwarz, and Fabian Waldinger. 2018. "Frontier Knowledge and Scientific Production: Evidence from the Collapse of International Science." *The quarterly journal of economics*, 133(2): 927–991.

Ilies, Remus, Nancy Hauserman, Susan Schwochau, and John Stibal. 2003. "Reported incidence rates of work-related sexual harassment in the United States: Using meta-analysis to explain reported rate disparities." *Personnel psychology*, 56(3): 607–631.

Janney, Jay J, and Steve Gove. 2017. "Firm linkages to scandals via directors and professional service firms: Insights from the backdating scandal." *Journal of Business Ethics*, 140(1): 65–79.

Jensen, Michael. 2006. "Should we stay or should we go? Accountability, status anxiety, and client defections." *Administrative Science Quarterly*, 51(1): 97–128.

Johnson, Carrie Ann. 2023. "The purpose of whisper networks: a new lens for studying informal communication channels in organizations." *Frontiers in communication*, 8.

Jones, Edward Ellsworth. 1984. *Social stigma : the psychology of marked relationships.*

Kalev, Alexandra, Frank Dobbin, and Erin Kelly. 2006. "Best practices or best guesses? Assessing the efficacy of corporate affirmative action and diversity policies." *American sociological review*, 71(4): 589–617.

Kang, Eugene. 2008. "Director interlocks and spillover effects of reputational penalties from financial reporting fraud." *Academy of Management journal*, 51(3): 537–555.

Karpoff, Jonathan M, D Scott Lee, and Valaria P Vendrzyk. 1999. "Defense Procurement Fraud, Penalties, and Contractor Influence." *The journal of political economy*, 107(4): 809–842.

Karpoff, Jonathan M, D S Lee, and Gerald S Martin. 2008. "The cost to firms of cooking the books." *Journal of financial and quantitative analysis*, 43(3): 581–611.

Lange, Donald, Peggy M Lee, and Ye Dai. 2011. "Organizational reputation: A review." *Journal of Management*, 37(1): 153–184.

Leahey, Erin, Christine M Beckman, and Taryn L Stanko. 2017. "Prominent but Less Productive: The Impact of Interdisciplinarity on Scientists' Research*." *Administrative science quarterly*, 62(1): 105–139.

Leskinen, Emily A, and Lilia M Cortina. 2014. "Dimensions of disrespect: Mapping and measuring gender harassment in organizations." *Psychology of women quarterly*, 38(1): 107–123.

Leskinen, Emily A, Lilia M Cortina, and Dana B Kabat. 2011. "Gender harassment: broadening our understanding of sex-based harassment at work." *Law and human behavior*, 35(1): 25–39.

Libarkin, J. 2024. "Academic Sexual Misconduct Database."

Lu, Susan Feng, Ginger Zhe Jin, Brian Uzzi, and Benjamin Jones. 2013. "The retraction penalty: evidence from the Web of Science." *Scientific reports*, 3(1): 3146.

Maimone, Giulia, Gil Appel, Craig R M McKenzie, and Ayelet Gneezy. 2025. "Citation penalties following sexual versus scientific misconduct allegations." *PloS one*, 20(3): e0317736.

Maitlis, Sally, and Marlys Christianson. 2014. "Sensemaking in organizations: Taking stock and moving forward." *Academy of Management annals*, 8(1): 57–125.

Maitlis, Sally, and Scott Sonenshein. 2010. "Sensemaking in crisis and change: Inspiration and insights from Weick (1988)." *The journal of management studies*, 47(3): 551–580.

Mansfield, Phyllis Kernoff, Patricia Barthalow Koch, Julie Henderson, Judith R Vicary, Margaret Cohn, and Elaine W Young. 1991. "The job climate for women in traditionally male blue-collar occupations." *Sex roles*, 25(1-2): 63–79.

McDonnell, Mary-Hunter, and Timothy Werner. 2016. "Blacklisted businesses: Social activists' challenges and the disruption of corporate political activity." *Administrative Science Quarterly*, 61(4): 584–620.

McDonnell, Mary-Hunter, Kate Odziemkowska, and Elizabeth Pontikes. 2021. "Bad Company: Shifts in Social Activists' Tactics and Resources After Industry Crises." *Organization Science*, 32(4): 1033–1055.

McKinley, William, Lawrence A Ponemon, and Allen G Schick. 1996. "Auditors' perceptions of client firms: The stigma of decline and the stigma of growth." *Accounting, organizations and society*, 21(2-3): 193–213.

McLaughlin, Heather, Christopher Uggen, and Amy Blackstone. 2012. "Sexual harassment, workplace authority, and the paradox of power." *American sociological review*, 77(4): 625–647.

McLaughlin, Heather, Christopher Uggen, and Amy Blackstone. 2017. "The Economic and Career Effects of Sexual Harassment on Working Women - Heather McLaughlin, Christopher Uggen, Amy Blackstone, 2017." *Gender & society: official publication of Sociologists for Women in Society*.

Meza, Summer. 2017. "What Is a Whisper Network? How Women Are Taking Down Bad Men in the #MeToo Age." *https://www.newsweek.com/what-whisper-network-sexual-misconduct-allegations-719009*, Accessed: 2025-6-30.

Morral, Andrew R, Kristie L Gore, and Terry L Schell. 2015. *Sexual assault and sexual harassment in the U.s. military: Annex to volume 2. Tabular results from the 2014 rand military workplace study for department of defense service members.* Santa Monica, CA:RAND.

Neu, D, and Michael Wright. 1992. "Bank failures, stigma management and the accounting establishment." *Accounting Organizations and Society*, 17: 645–665.

Page, Robert M. 1984. *Stigma.* London, England:Psychology Press.

Piazza, Alessandro, and Julien Jourdan. 2018. "When the dust settles: The consequences of scandals for organizational competition." *Academy of Management journal*, 61(1): 165–190.

Pontikes, Elizabeth, Giacomo Negro, and Hayagreeva Rao. 2010. "Stained red: A study of stigma by association to blacklisted artists during the "red scare" in Hollywood, 1945 to 1960." *American sociological review*, 75(3): 456–478.

Popovich, Paula M, and Michael A Warren. 2010. "The role of power in sexual harassment as a counterproductive behavior in organizations." *Human resource management review*, 20(1): 45–53.

Priem, Jason, Heather Piwowar, and Richard Orr. 2022. "OpenAlex: A fully-open index of scholarly works, authors, venues, institutions, and concepts." *arXiv [cs.DL]*.

Pryor, John B. 1987. "Sexual harassment proclivities in men." *Sex roles*, 17(5-6): 269–290.

Pryor, John B, Christine M LaVite, and Lynnette M Stoller. 1993. "A social psychological analysis of sexual harassment: The person/situation interaction." *Journal of vocational behavior*, 42(1): 68–83.

Raver, Jana L, and Michele J Gelfand. 2005. "Beyond the Individual Victim: Linking Sexual Harassment, Team Processes, and Team Performance." *Academy of Management Journal*.

Rehg, Michael T, Marcia P Miceli, Janet P Near, and James R Van Scotter. 2008. "Antecedents and Outcomes of Retaliation Against Whistleblowers: Gender Differences and Power Relationships." *Organization Science*, 19(2): 221–240.

Rospenda, Kathleen M, Judith A Richman, and Candice A Shannon. 2009. "Prevalence and mental health correlates of harassment and discrimination in the workplace: results from a national study: Results from a national study." *Journal of interpersonal violence*, 24(5): 819–843.

Rowe, Mary P. 1996. "Dealing with Harassment: A Systems Approach." *https://hdl.handle.net/1721.1/155967*, Accessed: 2025-8-15.

Schneider, Kimberly T, Suzanne Swan, and Louise F Fitzgerald. 1997. "Job-related and psychological effects of sexual harassment in the workplace: Empirical evidence from two organizations." *The Journal of Applied Psychology*, 82(3): 401–415.

Shanghai Consultancy. 2024. "ShanghaiRanking Global Ranking of Academic Subjects."

Sims, Carra S, Fritz Drasgow, and Louise F Fitzgerald. 2005. "The effects of sexual harassment on turnover in the military: time-dependent modeling." *The Journal of applied psychology*, 90(6): 1141–1152.

Sockin, Jason, and Aaron Sojourner. 2023. "What's the Inside Scoop? Challenges in the Supply and Demand for Information on Employers." *Journal of Labor Economics*, 41(4): 1041–1079.

Stephan, Paula E. 2010. "The economics of science." In *Handbook of The Economics of Innovation, Vol. 1*. Vol. 1 of *Handbook of the economics of innovation*, 217–273. Elsevier.

Stroube, Bryan K, and Anastasiya Zavyalova. 2024. "The relative effects of a scandal on member engagement in rites of integration and rites of passage: Evidence from a child abuse scandal in the Catholic Archdiocese of Philadelphia." *Organization science*.

Stuart, Toby, and Yanbo Wang. 2016. "Who cooks the books in China, and does it pay? Evidence from private, high-technology firms: Who Cooks the Books in China, and Does It Pay?" *Strategic management journal*, 37(13): 2658–2676.

Subramani, Gauri, and Andreea Gorbatai. 2025. "The Career Costs of Discrimination and Harassment." *Working Paper*.

Sun, Liyang, and Sarah Abraham. 2021. "Estimating dynamic treatment effects in event studies with heterogeneous treatment effects." *Journal of econometrics*, 225(2): 175–199.

Sutton, Robert I, and Anita L Callahan. 1987. "The stigma of bankruptcy: Spoiled organizational image and its management." *Academy of Management journal*, 30(3): 405–436.

Trawalter, Sophie, Jennifer Doleac, Lindsay Palmer, Kelly Hoffman, and Adrienne Carter-Sowell. 2022. "Women's Safety Concerns and Academia: How Safety Concerns Can Create Opportunity Gaps." *Social psychological and personality science*, 13(2): 403–415.

Tripodi, Giorgio, Xiang Zheng, Yifan Qian, Dakota Murray, Benjamin F Jones, Chaoqun Ni, and Dashun Wang. 2025. "Tenure and research trajectories." *Proceedings of the National Academy of Sciences of the United States of America*, 122(30): e2500322122.

Wang, Yanbo, Toby Stuart, and Jizhen Li. 2021. "Fraud and Innovation." *Administrative science quarterly*, 66(2): 267–297.

Weick, Karl E. 1988. "ENACTED SENSEMAKING IN CRISIS SITUATIONS[1]." *The journal of management studies*, 25(4): 305–317.

Weick, Karl E. 1995. *Sensemaking in Organizations. Foundations for Organizational Science*, Thousand Oaks, CA:SAGE Publications.

Weick, Karl E, Kathleen M Sutcliffe, and David Obstfeld. 2005. "Organizing and the process of sensemaking." *Organization science*, 16(4): 409–421.

Welsh, Sandy. 1999. "Gender and Sexual Harassment." *Annual review of sociology*, 25: 169–190.

Widmann, Rainer, Michael Rose, and Marina Chugunova. 2022. "Allegations of sexual misconduct, accused scientists, and their research." *SSRN Electronic Journal*.

Wiesenfeld, B, Kurt Wurthmann, and D Hambrick. 2008. "The stigmatization and devaluation of elites associated with corporate failures: A process model." *Academy of Management Review*, 33(1): 231–251.

Willness, Chelsea R, Piers Steel, and Kibeom Lee. 2007. "A meta-analysis of the antecedents and consequences of workplace sexual harassment." *Personnel psychology*, 60(1): 127–162.

Yenkey, Chris, and Donald Palmer. 2025. "Consequences of performance-enhancing misconduct: Insights from professional road cycling, 2000–2010." *Management science*.

Yenkey, Christopher B. 2018. "Fraud and Market Participation: Social Relations as a Moderator of Organizational Misconduct." *Administrative science quarterly*, 63(1): 43–84.

Zhang, Lin, Gunnar Sivertsen, Huiying Du, Ying Huang, and Wolfgang Glänzel. 2021. "Gender differences in the aims and impacts of research." *Scientometrics*, 126(11): 8861–8886.

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Appendix to

Sexual Misconduct and Scientific Production

Manuela R. Collis

List of Appendices

A Additional Results

Table A1: Balance Statistics Before and After Matching

	Before Matching		After Matching		
Variable	**Control**	**Treated**	**Control**	**Treated**	**SMD**
Publications per Capita Total	2.18	1.53	2.98	1.51	0.549
	(2.65)	(1.11)	(3.53)	(1.02)	
Sample Size (N)	50,188	210	4,759	202	
Publications per Capita Women	2.28	1.51	2.99	1.48	0.579
	(2.73)	(1.11)	(3.47)	(0.94)	
Sample Size (N)	33,632	188	3,492	181	
Publications per Capita Men	2.33	1.64	3.14	1.59	0.528
	(2.94)	(1.42)	(3.76)	(1.28)	
Sample Size (N)	44,991	198	4,268	190	

Note: Values shown as Mean (SD). Control group statistics after matching use analytic weights. SMD = Standardized Mean Difference.

Table A2: L1 Imbalance Before and After Matching at time period $t-1$

Variable	**Before Matching**	**After Matching**	**Reduction (%)**
Multivariate L1 distance	0.710	0.501	29.44
Univariate L1 distance			
Discipline	0.293	0.135	53.92
Public Institution	0.112	2.2e-15	100.00
State Law for Hostility & Harassment	0.081	4.1e-15	100.00
Shanghai Ranking (GRAS)	0.032	5.3e-16	100.00
Department Size	0.445	0.147	66.93

Note: The variables *Discipline*, *Public Institution* and *State Laws for Discrimination & Harassment* are categorical.

Table A3: Effect of Sexual Misconduct on Publication per Department Member - Delay in Public Reporting

	(1) Same-year	(2) within 0-5 yrs	(3) after 6-10 yrs
5 Year Average TE	-0.058	0.016	0.012
	(0.070)	(0.033)	(0.043)
6 periods before treatment	-0.100	-0.012	-0.056
	(0.084)	(0.031)	(0.056)
5 periods before treatment	-0.020	0.079†	-0.060
	(0.084)	(0.041)	(0.068)
4 periods before treatment	-0.010	0.007	-0.093
	(0.108)	(0.028)	(0.069)
3 periods before treatment	0.039	0.026	0.079
	(0.092)	(0.038)	(0.073)
2 periods before treatment	-0.136†	0.042	0.026
	(0.076)	(0.042)	(0.068)
1 periods before treatment	(.)	(.)	(.)
Event period (t=0)	-0.008	0.021	-0.049
	(0.100)	(0.038)	(0.051)
1 periods after treatment	-0.112	-0.000	0.001
	(0.115)	(0.042)	(0.058)
2 periods after treatment	-0.196†	0.123	0.019
	(0.107)	(0.123)	(0.066)
3 periods after treatment	-0.176	-0.052	0.055
	(0.119)	(0.038)	(0.070)
4 periods after treatment	0.205	-0.009	0.036
	(0.266)	(0.051)	(0.063)
5 periods after treatment	0.032	0.009	-0.036
	(0.085)	(0.037)	(0.036)
Observations	668	4,091	1,317
R-squared	0.9747	0.8978	0.8896

$^{\dagger}p < 0.10$, $^{*}p < 0.05$, $^{**}p < 0.01$, $^{***}p < 0.001$. Standard errors clustered at university x department level. Fixed effects for university x department and years. Column 3 (Poisson model) reports Pseudo R-squared in place of R-squared.

B Clarivate Core Collection

I use nine primary departments which are based on Clarivate's Core Collection (`https://mjl.clarivate.com/help-center`): Agriculture, Biology & Environmental Sciences; Arts & Humanities; Business Collection; Clinical Medicine; Electronics & Telecommunication Collection; Engineering, Computing & Technology; Life Sciences; Physical, Chemical & Earth Sciences; Social And Behavioral Sciences. Below, I list for the research communities defined by Clarivate and SJR for each of the nine disciplines.

Disciplines and Communities

Agriculture, Biology & Environmental Sciences
- Agriculture/Agronomy
- Agricultural Chemistry
- Animal Sciences
- Aquatic Sciences
- Biology
- Biodiversity
- Biophysics
- Biotechnology
- Botany
- Conservation
- Developmental Biology
- Ecology/Environmental Sciences
- Entomology
- Evolutionary Biology
- Fisheries
- Food Science
- Forestry
- Horticulture
- Marine Biology
- Molecular Biology
- Mycology
- Paleontology
- Parasitology
- Plant Sciences
- Soil Science
- Veterinary Sciences
- Wildlife Management
- Zoology

Arts & Humanities
- Architecture
- Art
- Asian Studies
- Classical Studies
- Dance
- Film, Radio & TV
- Folklore
- History
- Humanities (General)
- Language & Linguistics
- Literary Criticism
- Literature
- Medieval Studies
- Music
- Philosophy
- Poetry
- Religion
- Renaissance Studies
- Theater

Business Collection
- Accounting
- Advertising
- Banking
- Business
- E-commerce
- Economics
- Finance
- Hospitality Industry
- Human Resources
- Insurance
- International Business
- Logistics
- Management
- Marketing
- Nonprofit Organizations
- Operations Research
- Real Estate

Clinical Medicine
- Allergy
- Anesthesiology
- Audiology
- Cardiology
- Critical Care
- Dentistry
- Dermatology
- Emergency Medicine
- Endocrinology
- Gastroenterology
- General Medicine
- Geriatrics
- Health Policy
- Hematology
- Immunology
- Infectious Diseases
- Medical Ethics
- Medical Informatics
- Medical Technology
- Neurology
- Nursing
- Nutrition
- Obstetrics & Gynecology
- Oncology
- Ophthalmology
- Orthopedics
- Pathology
- Pediatrics
- Pharmacology
- Physical Therapy
- Preventive Medicine
- Psychiatry
- Radiology
- Rheumatology
- Sports Medicine
- Surgery
- Toxicology
- Transplantation
- Tropical Medicine

- Urology

Electronics & Telecommunications Collection
- Artificial Intelligence
- Automation
- Computer Hardware
- Computer Science
- Control Systems
- Cybernetics
- Digital Signal Processing
- Electrical Engineering
- Electronics
- Embedded Systems
- Information Systems
- Machine Learning
- Mobile Communications
- Network Security
- Robotics
- Software Engineering
- Telecommunications

Engineering, Computing & Technology
- Acoustics
- Aerospace Engineering
- Architectural Engineering
- Automotive Engineering
- Biomedical Engineering
- Ceramics
- Chemical Engineering
- Civil Engineering
- Composite Materials
- Construction
- Energy & Fuels
- Environmental Engineering
- Fluid Dynamics
- Industrial Engineering
- Manufacturing
- Marine Engineering
- Materials Science
- Mechanical Engineering
- Metallurgy
- Mining Engineering
- Nanotechnology
- Nuclear Engineering
- Petroleum Engineering
- Polymers
- Remote Sensing
- Thermodynamics
- Transportation
- Water Resources

Life Sciences
- Biochemistry
- Biomedical Research
- Biometrics
- Cancer Research
- Cell Biology
- Computational Biology
- Genetics
- Genomics
- Immunobiology
- Limnology
- Microbiology
- Microscopy
- Molecular Biology
- Neuroscience
- Physiology
- Proteomics
- Stem Cell Research
- Structural Biology
- Systems Biology
- Tissue Engineering
- Toxinology
- Virology

Physical, Chemical & Earth Sciences
- Analytical Chemistry
- Applied Mathematics
- Astronomy & Astrophysics
- Atmospheric Science
- Atomic Physics
- Catalysis
- Chemistry
- Computational Physics
- Condensed Matter Physics
- Crystallography
- Electrochemistry
- Fluid Dynamics
- Geochemistry
- Geology
- Geophysics
- Inorganic Chemistry
- Mathematics
- Meteorology
- Mineralogy
- Nanotechnology
- Nuclear Physics
- Oceanography
- Optics
- Organic Chemistry
- Particle Physics
- Physical Chemistry
- Polymer Science
- Quantum Physics
- Seismology
- Spectroscopy
- Statistical Physics
- Thermodynamics

Social And Behavioral Sciences
- Anthropology
- Applied Linguistics
- Archaeology
- Area Studies
- Behavioral Sciences
- Child Development
- Clinical Psychology
- Cognitive Science
- Communication
- Criminology
- Cultural Studies
- Demography
- Developmental Psychology
- Economic Geography
- Education
- Educational Psychology
- Environmental Studies
- Ergonomics
- Ethics
- Ethnic Studies
- Experimental Psychology
- Family Studies
- Geography
- Gerontology
- Health Education
- Human Geography
- Industrial Psychology
- Information Science
- International Relations
- Law
- Library Science
- Political Science
- Psychoanalysis
- Psychology
- Public Administration
- Social Psychology
- Social Work
- Sociology
- Special Education
- Sports Science
- Substance Abuse
- Urban Studies
- Women's Studies