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IZA DP No. 12443

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Lori L. Taylor Texas A&M University

Kalena E. Cortes
Texas A&M University, IZA and NBER

Travis C. Hearn
Texas A&M University

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ABSTRACT

Publication, Compensation, and the Public Affairs Discount: Does Gender Play a Role?*

This paper presents on three new styled facts: first, schools of public affairs hire many economists; second, those economists are disproportionately female; and third, salaries in schools of public affairs are, on average, lower than salaries in mainline departments of economics. We seek to understand the linkage, if any, among these facts. We assembled a unique database of over 2,150 faculty salary profiles from the top 50 Schools of Public Affairs in the United States as well as the corresponding Economics and Political Science departments. For each faculty member we obtained salary data to analyze the relationship between scholarly discipline, department placement, gender, and annual salary compensation. We found substantial pay differences based on departmental affiliation, significant differences in citation records between male and female faculty in schools of public affairs, and no evidence that the public affairs discount could be explained by compositional differences with respect to gender, experience or scholarly citations.

JEL Classification: J01, J16, J30, J31

Keywords: hedonic wage models, faculty sorting,

compensating differentials

Corresponding author:

Kalena E. Cortes
The Bush School of Government and Public Service
Texas A&M University
4220 Tamu, 1049 Allen Building
College Station, TX 77843
USA

E-mail: kcortes@tamu.edu

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I. INTRODUCTION

Salary equity studies have long been used to illuminate pay disparities among higher education faculty based on gender (e.g., Ginther and Hayes, 2003); race and ethnicity (e.g., Webber and Gonzales Canche, 2015); organizational loyalty (e.g., Barbezat, 2004; Masakure, 2016), and scholarly discipline (e.g., Ehrenberg, McGraw, and Mrdjenovic, 2006; Curtis and Kisielewski, 2015). Our study contributes to the literature by disentangling the contributions of discipline, departmental affiliation and gender in faculty pay differentials for schools of public affairs.

Three key observations motivate our analysis. First, we observe that schools of public affairs hire many economists. Second, we observe that those economists are disproportionately female. Finally, we observe that salaries in schools of public affairs are, on average, lower than salaries in mainline departments of economics. We seek to understand the linkage, if any, among these three new styled facts.

Using various data sources, we assembled a unique database of over 2,150 faculty salary profiles from the top 50 Graduate Schools of Public Affairs in the United States as well as the corresponding Economics and Political Science departments in their home universities. For each faculty member we collected compensation data to analyze the relationship between field of specialization, department placement, and annual salary compensation. In addition, we also control for measures of scholarly productivity, such as, citation counts, h-indices, and i10-indices.

There are a couple of key takeaways from our analysis here. First, we found substantial pay differences based on departmental affiliation. Economists in schools of public affairs were paid at a *significant discount* compared to their counterparts employed in traditional departments of economics. Second, the public affairs discount could *not* be explained by compositional differences. Controlling for gender, experience and various indicators of research productivity only

widened the salary gap between economics departments and schools of public affairs. Lastly, we found evidence that citation records differed by gender, discipline and departmental affiliation; and that salary differences between male and female faculty members were not statistically significant once these differences in citation records were taken into account. We found no evidence that the return to citations was systematically higher (or lower) for male than for female faculty members in the institutions of higher education under analysis.

II. RELEVANT LITERATURE

The economics literature includes a remarkable number of salary analyses in the higher education contexts. Nearly all of these studies are at least loosely based on hedonic wage models in which the individual's salary is a function of worker characteristics, job characteristics and location characteristics. Most of these studies focus on quantifying faculty salary differences by some demographic of interest, typically by gender, race/ethnicity or scholarly discipline. Many focus exclusively on salary differentials within economics.

One of the key challenges in those analyses of faculty salary has been the measurement of productivity. Common measures of research productivity include: numbers of publications (Ginther, 2003; Barbezat, 2004; Umbach, 2007; Binder et al., 2010; Renzulli, Reynolds, Kelly, and Grant, 2013; Tuckman and Tuckman, 1976); numbers of citations (Hamermesh, Johnson and Weisbrod, 1982; Gibson, Anderson, and Tressler, 2017; Gibson and Burton-McKenzie, 2017; Hamermesh, 2018) or grant dollars received (Binder et al., 2010; Renzulli et al., 2013). Common measures of teaching productivity include: numbers of teaching awards (Carlin et al., 2013);

¹ For a recent review of the higher education literature, see Gibson, Anderson and Tressler (2017) and Hamermesh (2018). For a more general review of the salary equity literature, see Blau and Kahn (2017).

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numbers of instructional preparations (Binder et al., 2010); numbers of classes taught (Renzulli et al., 2013); or percent time in teaching (Umbach, 2007).

Of keen interest (at least to economists) have been studies documenting and explaining salary premia for economists vis-à-vis faculty in other academic disciplines. Academic economists enjoy some of the highest average salaries among university faculty. Ehrenberg, McGraw, and Mrdjenovic (2006) found that, at the full professor level, only faculty in engineering and computer science programs earn more than those in economics departments. More recently, Curtis and Kisielewski (2015) found that professors' salaries in economics exceeded those of their social scientist peers in sociology, anthropology, political science and government at each of the assistant, associate, and full professor ranks. For the period of 2002 through 2016, salaries of economists also grew at a faster rate than any their other social science counterparts, rising twice as quickly as anthropology and political science and at three times the rate of sociology for new assistant professors in particular (Curtis and Kisielewski, 2015).

There are several reasons why academic economists enjoy such a salary premium over their colleagues in other social sciences. Human capital theory predicts that workers with similar characteristics—such as professors with similar degrees, responsibilities, and years of experience—will receive similar compensation while workers with dissimilar characteristics will receive dissimilar compensation (e.g., Park, 2012). Even though their teaching tasks might be similar to those of other academics, economists could earn a premium based on their comparative advantage in producing specific, highly-valued academic products. Freeman (1999) argued that economics, with more powerful analytic tools, stronger students (i.e., based on Graduate Record Examinations [GRE] scores), and more mathematically demanding curricula than in sociology or political science, was "the strongest social science" and therefore commanded the highest wages.

Alternatively, external labor market pressure could account for differences in salary. Economists enjoy unique access to high-value alternative sources of income, such as consulting fees, private investment, and corporate board membership (Fourcade, Ollion, and Algan, 2015), which suggest a high earnings potential for economists who choose to pursue opportunities outside academia. Relatively high wages for economics faculty are therefore justified because universities must compete with the demand for economists in the non-academic labor market (Boyle, 2008; Ehrenberg, 2004b; Buchanan and Tollison, 1981).

On the other hand, some researchers attribute the higher salaries in economics, at least in part, to the male-dominated nature of the discipline (Bellas, 1994; Bellas, 1997; Smart, 1991; Perna, 2003). Researchers have found evidence that female salaries in higher education are systematically below those of males (e.g., Ginther and Hayes, 2003; Ginther and Kahn, 2004; Umbach, 2007) even after controlling for differences in experience and productivity. To the extent that this bias persists, salaries could be higher in economics simply because there are fewer women in the profession.

The disproportionately male composition of economics departments may also exert an influence on pay through citation practices. Dion, Sumner, and Mitchell (2018) find that male scholars not only cite other male scholars more often than they cite female scholars, but are also more likely to cite themselves than are female scholars. In economics specifically, male-authored papers are cited at higher rates than either female-authored papers or mixed-authorship papers (Ferber and Brün, 2011). Considering that the marginal value of a citation may be as high as \$1,300 per year (Diamond Jr., 1986), gendered citation practices can result in disproportionate financial and career rewards for scholars in male-dominated subfields of social science (Dion, Sumner, and Mitchell, 2018).

Thus, the literature suggests that gender composition could at least partially explain the salary gap between economics departments and schools of public affairs. If more female academic economists choose to pursue careers in schools of public affairs, we might expect lower pay for economists in those fields due to a greater proportion of women on the faculty.

Much of the research examining faculty salary dispersion between disciplines relies heavily on survey data and very few to date rely on administrative university-level faculty data.² Thus, our study contributes to this literature by analyzing a uniquely assembled dataset of over 2,150 faculty salary profiles from the top 50 Graduate Programs in Public Affairs in the United States and their corresponding Economics and Political Science departments at those universities, rather than survey data.³ Unlike surveys conducted by groups such as the American Association of University Professors (Ehrenberg, 2004a) or American Political Science Association (Claypool et al., 2017), the multi-institutional faculty-level data in our study allows us to specifically distinguish faculty by their discipline. For each faculty member we concatenated compensation data to analyze the relationship between specialization, department placement, and salary. When possible we also collected information of the faculty's level of productivity as measured by their citation counts, h-indices, and i10-indices.

² Only a small number of studies about salary dispersion within or between departments use university-level faculty salary data, and these typically use data from only a single university or a small sample (e.g., Boudreau et al., 1997; Volk, Slaughter, and Thomas, 2001; Hilmer, Hilmer, and Lush, 2012).

³ Several studies (Fairweather, 1995; Umbach 2007, 2008) utilize the National Survey of Postsecondary Faculty (NSOPF), administered by the National Center for Education Statistics. Friedman (1991) conducted a telephone survey of department heads at public administration programs, one element of which aimed to determine how many economists were employed by public affairs programs. The Carnegie Survey of Faculty also appears in the Langton and Pfeffer (1994) study about labor market characteristics, while Gomez-Mejia and Balkin (1992) opted to design their own survey.

III. DATA SOURCES AND DESCRIPTIVE STATISTICS

We approach our inquiry into the relative salaries of economists from the perspective of a leading school of public affairs. Thus, we began our analysis by identifying a sampling frame based on the universities housing the top graduate programs in public affairs, according to the U.S. News and World Report (USNWR) rankings for 2018. We chose to limit our search to schools of public affairs in the top 50 of the USNWR rankings to ensure a sufficiently large sample while maintaining a focus on sectoral leaders. Once we identified the leading schools of public affairs, we sought publicly available faculty salary data for each of the corresponding colleges or universities. No private institutions of higher education (IHEs) meeting the search criteria voluntarily published salary data publicly. However, we extracted payroll information for the 33 public IHEs from numerous sources, including university and state government websites, nonprofit organizations committed to transparency, and newspapers or other periodicals in the state of interest. If salary data were unpublished, we submitted open records requests to obtain the sought-after data). See Table 1 for descriptive statistics

[Table 1 about here]

Not all of these original datasets provided the same information. Each publicly-available payroll dataset included name, title, and salary. However, some datasets provided multiple figures for salary, while others provided only one. Some datasets also provided full-time equivalent (FTE) numbers, but not others. The reporting years varied. Where available, we calculated the most recent salary using FTE information for each faculty. However, we recognize that there are institution-specific differences in the measurement of salary. As a result, our analyses will include IHE fixed effects in all estimated regression models.

For each of the 33 IHEs, we retained salary data for three departmental types: public affairs, economics, and political science. We restricted the sample to regular faculty members at the assistant, associate and full professor levels. Thus, we excluded adjunct, visiting, distinguished, and emeritus positions, as well as administrative faculty such as deans or department heads.

The next step in compiling a useful dataset required visiting each university's website and matching information from the faculty directory with the names listed in the dataset for that institution. We coded each faculty member's department using a series of indicator variables based on the faculty department website where their profile appeared. To determine a faculty member's sex, highest degree held, year of degree and academic discipline, we examined information available in their faculty biography or the curriculum vitae (CV) posted on their faculty page. If such information were unavailable, we performed a broader Internet search to locate any missing details about an individual, leading either to a personal website or to their PhD information posted with an affiliated organization.

We constructed indicator variables for whether or not a faculty member was an economist or a political scientist based on the field in which they obtained their PhD and their departmental affiliations. Faculty members with a degree in economics (including variants like agricultural economics or econometrics) were classified as economists, as were all faculty members in departments of economics. Faculty members with degrees in political science, government, foreign affairs or international relations were classified as political scientists, as were all faculty members in departments of political science. Individuals with degrees in political economy or "political science and economics" were assigned a one for both the economist indicator variable and the political scientist indicator variable. If professors listed only their PhD-granting institution,

⁴ The analysis was not sensitive to this coding choice because the number of individuals was small.

without any additional PhD information and were not affiliated with a traditional economics or political science department, we coded their field of degree as missing. In addition, if the available online resources indicated that the faculty member did not hold a PhD, then he or she was excluded from the analysis. We coded as missing any educational attainment data that could not be located online, which occurred most often when a professor did not provide a CV publicly. Some faculty advertised their CV as available on request, but we did not send any CV requests for this study, opting to use only publicly posted information.

Because we were interested in analyzing differences in salary by gender, we also collected the information on faculty's sex from the same public sources as discipline and department information. Then, we coded each faculty member as male or female based on our familiarity with the individuals, photographs posted to their faculty profile or personal website, and any gendered third-person pronouns included in their own biographical materials.

Finally, we followed Hamermesh (2018) and measured faculty productivity using citation metrics commonly available through Google Scholar. We captured total citations, h-indices (which Hamermesh (2018) characterizes as combining both the breadth and depth of impact) and i10indices (which measure the number of papers with at least 10 citations) for each individual with a Google Scholar profile. Unfortunately, there are a number of faculty members who do not have a Google profile or have not made their profiles public. For these faculty members, we used multiple imputation to fill in the missing citation data for some of our analyses and excluded the records

⁵ Nearly all of the individuals excluded on these grounds were employed by schools of public affairs and held juris

⁶ The h-index is calculated by counting the number of publications for which a scholar has been cited by other scholars at least that same number of times. For example, a h-index of 16 means that the scholar has published at least 16 papers that have each been cited at least 16 times. The i10-index is the number of publications with at least 10 citations. For example, an i10-index of 12 means that 12 publications of the scholar have each been cited at least 10 times.

with missing data for other estimates of the same specifications. None of our results were substantively changed by the modeling choices regarding missing data.

Table 2 provides summary statistics on the distribution of faculty by departmental affiliation, sex, and annual salary compensation. As these sample summary statistics make clear, we were able to confirm each of our motivating observations. First, leading schools of public affairs employ a large number of economists. The 33 leading public affairs departments in our sample employed more than 100 economists, or 12 percent of the economists in the sample.

Second, a disproportionate number of the economists employed by schools of public affairs were female. As Table 2 illustrates, 19 percent of the faculty in departments of economics were female; whereas 23 percent of the economists in departments of political science were female and 35 percent of the economists in schools of public affairs were female. In other words, the fraction female among economists in schools of public affairs was nearly double the fraction female in traditional departments of economics. This difference among economists between departments of economics and public affairs was statistically significant by any common metric.

Third, average salaries in schools of public affairs were lower than those in traditional economics departments. On average—and without adjustment for faculty rank or institution reporting differences—salaries were 33.5 percent higher in departments of economics than they were in schools of public affairs. Among economists, average salaries were 11 percent higher in departments of economics than they were in schools of public affairs.

[Table 2 about here]

IV. EMPIRICAL ANALYSIS AND DISCUSSION OF RESULTS

Of course, average salaries are not the best comparisons. Therefore, consider the hedonic salary models reported in Table 3. In general, we estimated the following functional form,

$$ln(Salary_{id}) = \alpha + Faculty_{id} \cdot \beta + X_{id} \cdot \delta + \tau_i + \mu_{id}$$

where $\ln(Salary_{id})$ is the log of annual salary for faculty member i in department d, $Faculty_{id}$ is a vector of faculty characteristics, such as, departmental affiliation (school of public affairs (omitted category), economics department, and political science department), field of specialization (economist, political scientist, and other fields (omitted category)), female indicator, professor rank indicator (assistant professor (omitted category), associate professor, and full professor), and experience level of the faculty as measured by the log of years since their Ph.D. degree; X_{id} is a vector of variables capturing various measures of faculty productivity, such as, total citation count, h-index, and i10-index; τ_j are university fixed effects; and lastly, μ_{id} is the error term.

The first column in Table 3 shows a parsimonious model specification with university fixed effects (which allowed us to control for systematic, unobservable differences by institution such as differences in fringe benefits, salary reporting protocols or reporting years) and indicators for departmental affiliation and discipline, but no other controls. This model indicated that the average salary for economists in economics departments was 17 percent (the exponent of the coefficient of 0.154 = 1.17) higher than the average salary for economists at the same institution who were not in economics departments, and 32 percent (the exponent of 0.154 + 0.124 = 1.32) higher than the average salary for faculty members in schools of public affairs who were neither economists nor political scientists (the omitted category). Thus, our first cut at the data suggested that economists in schools of public affairs were paid at a significant discount vis-'a-vis those in traditional departments of economics.

[Table 3 about here]

This pattern led us to hypothesize that salaries were lower in schools of public affairs because the faculty members who chose to work in such contexts were systematically different from those who chose to work in traditional departments of economics. Those differences could have existed upon arrival (such as gender) or could have been influenced by context (such as scholarly productivity).

Alternative Explanation #1: Faculty Sorting by Gender

It is clear from Table 2 that there is departmental sorting by gender. Moreover, it is well-documented that the economics profession has had, and continues to have, problems with gender equity. So, the apparent public affairs discount could simply reflect the greater share of female faculty in schools of public affairs. To explore this hypothesis, the second column in Table 3 presents a model that included an indicator for female faculty member. As the table makes clear, we found a significant, negative differential for female faculty members, but controlling for gender did not eliminate the public affairs discount.

Next, we considered a model that included not only an indicator for female faculty, but also the interactions between gender and discipline (to allow for the possibility that there are gender-linked salary differentials among economists, but not among political scientists or among other public affairs disciplines) and the interactions between gender and department affiliation (to allow for the possibility that bias is more strongly expressed in traditional economics departments than in schools of public affairs). As column (3) of Table 3 illustrates, this model suggested that female faculty members were paid significantly less than male faculty members regardless of discipline or department. All of the gender interaction terms were jointly insignificant (F(4, 2110) = 1.34, p = 0.25). Again, controlling for gender did not eliminate the public affairs discount.

⁷ See, for example the discussion in Lundberg and Stearns (2019) and Ceci et al. (2014). See also Wu (2018).

Alternative Explanation #2: Faculty Sorting by Experience and Rank

Maybe there were systematic differences between male and female faculty members or between departments of economics and schools of public affairs with respect to faculty rank and experience. The fourth and fifth columns in Table 3 present models that included faculty rank and years since degree (in logs), and the interactions between these two measures of productivity and the economist and political scientist indictors (to allow the effects of rank and experience to vary by discipline). Because some of the records do not have year of degree, we report both a model in which we dropped observations with missing data on experience (shown in column (4)) and a model in which we multiply imputed years since degree using 100 imputations (shown in column (5)). For observations for which years since degree was imputed, each interaction term was treated as just another variable, meaning that the data were transformed and then the interactions were imputed, as recommended in Von Hippel (2009) and Seaman, Bartlett, and White (2012).

As Table 3 illustrates, the results shown in columns (4) and (5) were not sensitive to the imputation. In both models, we found that controlling for years of experience and faculty rank greatly reduced the magnitude of the difference between male and female salaries, but the gender difference remained large and statistically significant. Again, all of the sex interaction terms were jointly insignificant (F(4, 1930) = 0.51, p = 0.73 in column (4); F(4, 2099) = 0.74, p = 0.57 in column (5)) suggesting that the systematic difference between male and female salaries was not a function of discipline or departmental affiliation. Furthermore, this modeling change was associated with a modest increase in the economics department premium, so there was no evidence that the public affairs discount arose from sorting by sex or seniority.

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⁸ Although some argue that faculty rank is endogenous, excluding rank as a control can produce misleading conclusions, particularly in the case of gender equity, showing bias where none exists and vice versa (Boudreau et al., 1997).

Alternative Explanation #3: Faculty Sorting by Other Indicators of Research Productivity

Experience and professorial rank are highly imperfect measures of scholarly productivity. Suspecting that there were other dimensions of research productivity that could help explain the gender differential and the public affairs discount, we turned our attention to the faculty citation metrics available from Google Scholar—citation counts, h-indices and i10-indices.

We note that many researchers do not make their Google Scholar profiles public. Therefore, we were unable to collect citation metrics for more than one third of the researchers in our analysis sample. Again, we relied on multiple imputation to fill in the blanks.

Furthermore, we could not conclude that the citation metrics were missing completely at random. As shown in panel A of Table 4, multinomial probit models indicate that the probability that faculty members lacked a public Google Scholar profiles was an increasing function of the number of years since their doctoral degrees. We found this pattern whether or not the model included imputed values for years since degree. In addition, full professors appeared somewhat more likely to have a public Google Scholar profile than assistant or associate professors, once we controlled for differences in graduation date. Therefore, it was necessary to control for faculty rank and years since degree in the imputation model for each of the Google Scholar metrics.

The remaining panels of Table 4 provide reasons to believe that variations in the citation metrics could at least partially explain the observed differences in salary by sex and departmental affiliation. Although the variables were seldom individually significant, the hypothesis that the female indicator and all its interactions were jointly zero was rejected at the 5-percent level for each of the citation metrics. The hypothesis that the economics department indicator and the interaction between female and the economics department indicator were jointly zero was rejected at the five percent level for both the h-index and i10-index models, but not the citation count model,

suggesting that departmental affiliation matters for at least some of the citation metrics. Intriguingly, where departmental affiliation is statistically significant (i.e., in the h-index and i10-index models), the evidence suggests that scholarly productivity among male economists is lower in traditional departments of economics than in schools of public affairs, all other things being equal, while scholarly productivity among female economists is unrelated to departmental affiliation. On the other hand, the h-indices and i10-indices were systematically lower for female economists than for male economists in both traditional economics departments and schools of public affairs, although the differential was smaller and only significant at the 10-percent level in traditional departments of economics.

[Table 4 about here]

Next, Table 5 presents variations on column (5) of Table 3, which we added the citation metrics and appropriate interaction terms. The interactions between gender and departmental affiliation, which were uniformly negligible in preliminary analyses, have been dropped to avoid over-parameterization.

In the first column, we present a model that omitted observations without citation data. In all other specifications, the citation-based indicators of productivity were multiply imputed to address the problem of missing data. Because whether or not the Google Scholar data were missing depended on the years since degree, it was necessary to use years since degree to impute the citation metrics. As a result, all of these models exclude observations for which years since degree was missing.

As the table illustrates, we found a significant, positive and multi-collinear relationship between the citation metrics and faculty salaries. As shown in column (4), each additional one-unit increase in the h-index was associated with a one percent increase in faculty salary, all other

things being equal. Increases in citation count had no incremental effect on salary, once the hindex and i10-index were taken into account, and increases in the i10-index were slightly negative, holding the other citation metric constant (shown column (2)). However, when each of the metrics was evaluated separately, there was consistent evidence that increases in citation led to increases in salary (columns (3)-(5)).

[Table 5 about here]

Incorporating citation metrics into the analysis altered the estimated relationship between gender and salary. The marginal effect of gender shrank, and in the imputed specifications became statistically insignificant. In none of the specifications was the marginal effect of being a female economist statistically significant at the 5-percent level (although it was significant at the 5-percent level in the model where citation counts were not imputed, and therefore fewer highly experienced scholars were included).

Interestingly, the public affairs discount widened. As column (2) shows, controlling for citation metrics as well as years since degree and faculty rank, we estimated that economists in schools of public affairs earned at least 28 percent more than otherwise similar faculty members, and economists in departments of economics earned 17 percent more than economists in schools of public affairs. On the other hand, political scientists were better paid in a school of public affairs than in a traditional department of political science, even after controlling for research productivity. As Table 5 illustrates, political scientists in mainline political science departments were paid 10 percent less, on average, than political scientists in schools of public affairs.

We wondered if perhaps the public affairs discount arose from systematic differences in the relative prestige of the various departments. After all, our sample was restricted to public universities that are home to leading schools of public affairs—which does not necessarily imply that they are also home to leading departments of economics or political science. One could argue that the premium for political scientists in leading schools of public affairs could arise from differences in departmental prestige (as in Ehrenberg, McGraw, and Mrdjenovic, 2006) although it would seem difficult to make such a case for the public affairs discount vis-à-vis a less selective set of departments of economics.

Nevertheless, we explored this possibility as well, by adding two interaction terms to the model. The first is the interaction between the economics department indicator and the US News and World Report rankings for the university's department of economics; the second is the interaction between the political science department indicator and the US News and World Report ranking for the university's department of political science. (We do not add the main effects of the departmental rankings because those are subsumed in the university fixed effects.) As the last column in Table 5 makes clear, controlling for the departmental rankings added nothing to the analysis.

We wondered if the results regarding the vanishing gender differential and persistent public affairs discount could be driven by the salary or reporting practices at an outlier university. Therefore, we performed a jackknife-inspired sensitivity analysis of our preferred specification (column (2)), by excluding one university at a time from the data file, re-imputing, and reestimating. In all cases, there was no systematic gender differential once citations were taken into account, and the sign, significance and magnitude of the departmental premiums were largely unaffected. (Tables available upon request.)

[Table 6 about here]

Lastly, we also wondered if the return to citations might be higher among economists than among the other social scientists typically found in schools of public affairs. We found mixed

evidence on that front. As Table 6 illustrates, when we allowed for an interaction between gender or discipline and the citation metrics, we found no evidence that the marginal effect was higher for economists than for political scientists, but some evidence (from the non-imputed models) that the marginal effect of an increase in citations was larger for these two social science disciplines than for other disciplines found in schools of public affairs. Contrary to the findings of Sarsons (2017) we found no reason to believe that the return to citations was systematically different for males than for female faculty members in the institutions of higher education under analysis.

V. CONCLUDING REMARKS

Our salary study provides insight into fiscal practices at highly-ranked public universities around the United States. In agreement with the literature reviewed, we found evidence of lower average wages for women, as well as all faculty in departments that include a higher proportion of women. The female differential disappeared when we controlled for citation record, but the disciplinary and departmental differentials did not. We found some evidence that citation records differed by gender, which is consistent with previous work by Dion, Sumner, and Mitchell (2018) and Ferber and Brün (2011) suggesting that citation practices disadvantage female faculty members. We also found evidence that economists had fewer citations, yet substantially higher wages than their colleagues from other disciplines.

Interestingly, our analysis did reveal a persistent pattern: economists in schools of public affairs were paid at a *significant discount*, while their political scientists' colleagues were paid at a *significant premium*, relative to their counterparts in disciplinary departments. In other words, salaries across disciplines within schools of public affairs were more homogeneous than were the

salaries across disciplines between disciplinary departments in the same universities. Furthermore, this pattern could not be explained by faculty sorting on gender.

Two competing hypotheses could explain the schools of public affairs salary discount for economists (and salary premium for political scientists). *First*, schools of public affairs could have been trying to sustain some outdated, internal equity standard in the face of rising relative salaries for economists (Curtis and Kisielewski, 2015). Buchanan and Tollison (1982) refer to this practice as the homogenization of heterogeneous inputs.

Second, both economist and political scientists who are employed at schools of public affairs are fairly quantitative in nature—that is, their scholarly work is inherently applied and some type of statistical modeling is common in their research. It is possible that the apparent public affairs discount is really just a manifestation of an applied micro or public finance discount. This would imply that there is an "applied discount" for economists who work at schools of public affairs, while their political scientists enjoy an "applied premium."

Regardless of which competing hypothesis might be true, one thing is for certain, economists who chose public affairs departments experienced an estimated 18 percent salary loss relative to their peers in departments of economics. Card, Mas, Moretti, and Saez (2012) argued that relative perceptions of salary reduce job satisfaction for individuals earning below the median, with individuals also reporting a higher likelihood of seeking employment elsewhere. In order to facilitate intra-departmental cordiality, administrators may consider paying the economists on their faculty a wage that more accurately reflects the relative pay of their peers in economics departments.

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Table 1: Sample Descriptive Statistics

	No. Observations	Mean	Minimum	Maximum
Salary (log)	2,152	11.81	10.60	13.14
		(0.42)		
School of Public Affairs	2,152	0.32	0	1
Economics Department	2,152	0.34	0	1
Political Science Department	2,152	0.34	0	1
Economist	2,152	0.39	0	1
Political Scientist	2,152	0.40	0	1
Other Fields	2,152	0.21	0	1
Female Faculty	2,152	0.30	0	1
Male Faculty	2,152	0.70	0	1
Assistant Professor	2,152	0.26	0	1
Associate Professor	2,152	0.31	0	1
Full Professor	2,152	0.43	0	1
Year of Ph.D. Degree	1,981	1998.79	1957	2017
		(12.84)		
Google Scholar's Total Citation Count	1,337	2992.02	1	100367
~ . ~		(6331.08)		100
Google Scholar's h-index	1,337	17.20	1	102
Google Scholar's it 0 index	1 227	(13.52) 26.12	0	201
Google Scholar's i10-index	1,337	(31.72)	0	281
		(31.72)		

Notes: Standard deviations are in parentheses for continuous variables. The variable "Other Fields" include other fields whose faculty members are in the school of public affairs, such as, sociology, demography, anthropology, etc. Productivity measures (i.e., total citation count, h-index, and i10-index) were obtained from each faculty's Google Scholar profiles. See Appendix 1 for detailed description of variables listed in Table 1.

Source: Authors' calculations.

Table 2: The Distribution of Faculty by Departmental Affiliation, Gender, and Annual Salary Compensation

	Panel A: 1	Faculty by D	Panel B: Com	Panel B: Compensation (\$000's)		
	No. of Faculty	Percent	No. of	Percent		Average
Departmental Affiliation	Members	Female	Economists	Female	Average Salary	Economist Salary
School Public Affairs	701	40.7%	102	35.3%	\$134	\$161
Economics	685	18.7%	685	18.7%	\$179	\$179
Political Science	666	31.1%	13	23.1%	\$126	\$183
Joint Appointments	100	27.0%	46	21.7%	\$168	\$199
Total	2,152	30.1%	846	20.9%	\$147	\$178

Notes: Annual salary compensation are in current dollars, circa 2017.

Source: Authors' calculations.

Table 3: Ordinary Least Squares (OLS) Regression Results - Hedonic Wage Models

	(1)	(2)	(3)	(4)	(5)
Economics Department	0.154***	0.133***	0.117***	0.154***	0.147***
	(0.033)	(0.0329)	(0.041)	(0.034)	(0.033)
Political Science Department	-0.119***	-0.126***	-0.0896**	-0.0875***	-0.0956***
	(0.035)	(0.0353)	(0.045)	(0.033)	(0.031)
Economist	0.124***	0.119***	0.123***	0.243***	0.247***
	(0.033)	(0.0326)	(0.041)	(0.071)	(0.070)
Political Scientist	0.0257	0.0208	-0.00707	-0.0714	-0.0728
	(0.035)	(0.0353)	(0.046)	(0.071)	(0.070)
Female Faculty		-0.117***	-0.124***	-0.0534**	-0.0636**
		(0.0159)	(0.030)	(0.027)	(0.025)
Female Faculty x Economist			-0.016	0.0201	0.0221
			(0.064)	(0.058)	(0.056)
Female Faculty x Political Scientist			0.0737	0.0618	0.0784
			(0.069)	(0.055)	(0.052)
Female Faculty x Economics Department			0.0675	0.0029	0.0152
			(0.068)	(0.059)	(0.057)
Female Faculty x Political Science Department			-0.103	-0.0662	-0.0666
			(0.067)	(0.052)	(0.051)
Years Since PhD Degree (log)				0.00377	0.00484
				(0.027)	(0.027)
Years Since PhD Degree (log) x Economist				-0.0748**	-0.0764**
				(0.033)	(0.034)
Years Since PhD Degree (log) x Political Scientist				0.0402	0.0399
				(0.034)	(0.034)
Associate Professor				0.267***	0.265***
				(0.042)	(0.041)
Associate Professor x Economist				0.00967	0.00927
				(0.054)	(0.052)
Associate Professor x Political Scientist				-0.124**	-0.123**
				(0.053)	(0.051)
Full Professor				0.557***	0.528***
				(0.057)	(0.056)
Full Professor x Economist				0.0963	0.118*
				(0.069)	(0.068)
Full Professor x Political Scientist				-0.0647	-0.0457
				(0.069)	(0.068)
Constant	11.74***	11.79***	11.79***	11.45***	11.46***
	(0.016)	(0.0169)	(0.020)	(0.053)	(0.053)
University Fixed Effects	Yes	Yes	Yes	Yes	Yes
Imputated Data	No	No	No	No	Yes
Number of Imputated Interations					100
No. Observations	2,152	2,152	2,152	1,981	2,152
	0.34	0.35	0.36	0.63	
Adjusted R ²	0.54	0.55	0.50	0.03	

Notes: Standard errors (shown in parentheses). The ommitted comparison category for professor's rank is Assistant Professor. For column (5), the variables "Years Since PhD Degree (log)" and corresponding interaction terms were imputed with 100 iterations. See Appendix 1 for detailed description of variables listed in Table 3. ***, **, * denotes statistical significant at the 1 percent, 5 percent, 10 percent levels, respectively.

Table 4: Imputing Google Scholar Profile Citation Metrics

	Panel A: L	ogit Models	Panel B: C	LS Models	Panel C: OLS Models		Panel D: O	LS Models
	•	of a Missing Iolar Profile	Log Cita	ion Count	h-ir	ıdex	i10-i	ndex
-	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)
Economics Department	0.181	0.123	-0.063	-0.060	-4.043***	-3.930***	-18.19***	-17.90***
•	(0.178)	(0.170)	(0.141)	(0.140)	(1.372)	(1.333)	(3.605)	(3.502)
Political Science Department	-0.124	-0.094	0.031	0.035	-0.997	-0.648	-3.095	-2.15
•	(0.166)	(0.158)	(0.155)	(0.150)	(1.505)	(1.431)	(3.954)	(3.758)
Economist	0.240	0.202	-0.691**	-0.735**	-6.250*	-6.431**	-9.079	-9.591
	(0.373)	(0.364)	(0.333)	(0.334)	(3.232)	(3.145)	(8.491)	(8.270)
Political Scientist	0.156	0.033	-0.213	-0.265	-4.319	-4.691	-9.491	-10.59
	(0.372)	(0.364)	(0.337)	(0.338)	(3.275)	(3.178)	(8.604)	(8.338)
Female Faculty	0.037	0.066	-0.170	-0.132	-1.142	-0.856	-4.13	-3.704
,	(0.140)	(0.126)	(0.121)	(0.114)	(1.172)	(1.089)	(3.079)	(2.859)
Female Faculty x Economist	0.202	0.139	0.105	0.078	-4.631*	-4.619*	-18.79***	-18.55***
	(0.303)	(0.289)	(0.255)	(0.250)	(2.476)	(2.382)	(6.504)	(6.255)
Female Faculty x Political Scientist	-0.182	-0.082	0.255	0.226	0.141	0.136	0.408	0.784
Temate Faculty & Fortical Scientist	(0.278)	(0.262)	(0.252)	(0.246)	(2.448)	(2.346)	(6.430)	(6.160)
Female Faculty x Economics Department	0.075	0.092	0.022	0.020	3.734	3.497	17.38***	16.76***
Temate Faculty & Deonomies Department	(0.306)	(0.295)	(0.258)	(0.254)	(2.500)	(2.421)	(6.567)	(6.359)
Female Faculty x Political Science Department	0.374	0.213	-0.497**	-0.451*	-1.459	-1.674	-0.878	-1.679
Temate Faculty & Folitical Science Department	(0.267)	(0.255)	(0.247)	(0.243)	(2.398)	(2.314)	(6.299)	(6.076)
Years Since PhD Degree (log)	0.514***	0.467***	0.757***	0.713***	4.181***	3.868***	8.675**	7.971**
Tears Since Fild Degree (log)								
Voors Since BhD Deemes (lee) y Economist	(0.140)	(0.139)	(0.136)	(0.139)	(1.324)	(1.285)	(3.478)	(3.379)
Years Since PhD Degree (log) x Economist	-0.123	-0.078	0.340**	0.363**	4.661***	4.772***	12.99***	13.21***
V Ci DLD D (1) D-liti1 C-iti-t	(0.172)	(0.171)	(0.165)	(0.166)	(1.598)	(1.555)	(4.198)	(4.094)
Years Since PhD Degree (log) x Political Scientist	0.054	0.077	0.07	0.092	1.955	2.095	4.872	5.155
A	(0.174)	(0.174)	(0.167)	(0.169)	(1.620)	(1.580)	(4.257)	(4.149)
Associate Professor	-0.175	-0.073	1.010***	1.055***	2.604	2.993*	2.675	3.306
	(0.220)	(0.209)	(0.185)	(0.184)	(1.798)	(1.730)	(4.722)	(4.546)
Associate Professor x Economist	-0.298	-0.450*	-0.382*	-0.391*	-4.001*	-4.201*	-12.89**	-13.14**
	(0.280)	(0.271)	(0.230)	(0.228)	(2.229)	(2.160)	(5.856)	(5.677)
Associate Professor x Political Scientist	-0.131	-0.197	-0.363	-0.393*	-3.068	-3.443	-8.051	-8.691
	(0.273)	(0.263)	(0.230)	(0.228)	(2.234)	(2.154)	(5.869)	(5.657)
Full Professor	-0.543*	-0.405	1.639***	1.711***	12.80***	13.42***	26.32***	27.56***
	(0.293)	(0.284)	(0.267)	(0.267)	(2.595)	(2.498)	(6.816)	(6.569)
Full Professor x Economist	-0.0898	-0.255	-0.234	-0.276	-4.186	-4.701	-15.37*	-16.52**
	(0.355)	(0.347)	(0.316)	(0.315)	(3.068)	(2.966)	(8.059)	(7.802)
Full Professor x Political Scientist	0.07	0.0253	-0.255	-0.272	-5.950*	-6.242**	-17.33**	-17.88**
	(0.355)	(0.347)	(0.319)	(0.318)	(3.093)	(2.996)	(8.125)	(7.869)
Constant	-0.895**	-0.822**	4.060***	4.119***	2.45	2.812	-2.428	-1.379
	(0.367)	(0.329)	(0.250)	(0.252)	(2.428)	(2.353)	(6.377)	(6.185)
F-test: Female and All Interactions			F(5,1211)=3.37	F(5,1284)=2.63	F(5,1211)=3.29	F(5,1284)=3.21	F(5,1211)=4.66	F(5,1284)=4.71
P-values			p=0.005	p=0.020	p=0.006	p=0.007	p=0.003	p=0.003
University Fixed Effects	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Imputated Data	No	Yes	No	Yes	No	Yes	No	Yes
•	NO 	100	NO 	100	NO 	100	NO 	100
Number of Imputated Interations No. Observations	1,981	2,152	1,262	1,337	1,262	1,337	1,262	1,337
	,	,	*		· · · · · · · · · · · · · · · · · · ·	· ·	*	*
Adjusted R ²			0.71		0.57		0.46	

Notes: Standard errors (shown in parentheses). The ommitted comparison category for professor's rank is Assistant Professor. For each model reported in column (2), the variables "Years Since PhD Degree (log)" and corresponding interaction terms were imputed with 100 iterations. See Appendix 1 for detailed description of variables listed in Table 4. ***, **, * denotes statistical significant at the 1 percent, 5 percent, 10 percent levels, respectively.

Table 5: OLS Regression Results - Hedonic Wage Models with Citation Measures

	(1)	(2)	(3)	(4)	(5)	(6)
Economics Department	0.210***	0.168***	0.159***	0.179***	0.187***	0.190***
•	(0.029)	(0.028)	(0.027)	(0.027)	(0.028)	(0.0303)
Political Science Department	-0.0679**	-0.100***	-0.104***	-0.100***	-0.103***	-0.0874***
	(0.030)	(0.026)	(0.026)	(0.026)	(0.026)	(0.0292)
Economist	0.173**	0.295***	0.278***	0.286***	0.267***	0.299***
	(0.080)	(0.068)	(0.068)	(0.068)	(0.068)	(0.0680)
Political Scientist	-0.110	-0.041	-0.058	-0.037	-0.040	-0.0379
	(0.080)	(0.068)	(0.068)	(0.068)	(0.068)	(0.0680)
Female Faculty	-0.0675**	-0.0438*	-0.0434	-0.0432	-0.0427	-0.0450*
	(0.030)	(0.026)	(0.027)	(0.026)	(0.027)	(0.0265)
Female Faculty x Economist	0.016	0.028	0.015	0.032	0.032	0.0294
	(0.039)	(0.035)	(0.035)	(0.034)	(0.035)	(0.0346)
Female Faculty x Political Scientist	0.0756**	0.0212	0.0197	0.0159	0.00837	0.0224
	(0.037)	(0.033)	(0.033)	(0.033)	(0.033)	(0.0327)
Years Since PhD Degree (log)	-0.00922	-0.0547**	-0.0546*	-0.0428	-0.026	-0.0538*
	(0.034)	(0.028)	(0.028)	(0.027)	(0.027)	(0.0276)
Years Since PhD Degree (log) x Economist	-0.0609	-0.0981***	-0.0891***	-0.101***	-0.0986***	-0.0963***
	(0.040)	(0.033)	(0.033)	(0.033)	(0.033)	(0.0327)
Years Since PhD Degree (log) x Political Scientist	0.0452	0.0384	0.0438	0.0362	0.036	0.0375
C (6)	(0.041)	(0.033)	(0.033)	(0.033)	(0.033)	(0.0330)
Associate Professor	0.180***	0.241***	0.225***	0.253***	0.262***	0.240***
	(0.046)	(0.042)	(0.042)	(0.041)	(0.042)	(0.0416)
Associate Professor x Economist	0.0508	0.0237	0.0212	0.0275	0.0302	0.0206
	(0.056)	(0.052)	(0.053)	(0.052)	(0.053)	(0.0523)
Associate Professor x Political Scientist	-0.0824	-0.110**	-0.112**	-0.109**	-0.110**	-0.109**
	(0.056)	(0.051)	(0.052)	(0.052)	(0.052)	(0.0514)
Full Professor	0.385***	0.489***	0.497***	0.501***	0.520***	0.490***
	(0.066)	(0.056)	(0.057)	(0.056)	(0.056)	(0.0559)
Full Professor x Economist	0.104	0.0936	0.093	0.102	0.112*	0.0873
	(0.077)	(0.067)	(0.068)	(0.067)	(0.068)	(0.0670)
Full Professor x Political Scientist	-0.0263	-0.053	-0.0647	-0.0462	-0.0436	-0.0532
	(0.078)	(0.067)	(0.068)	(0.068)	(0.068)	(0.0675)
Google Scholar's Total Citation Count (log)	0.0178*	0.0154	0.0592***	(*****)	(*****)	0.0155
8 (8)	(0.009)	(0.011)	(0.008)			(0.0107)
Google Scholar's h-index	0.0102***	0.00996***	(0.000)	0.00752***		0.00982***
8	-0.0021	-0.00237		-0.000805		(0.00238)
Google Scholar's i10-index	-0.00176**	-0.00145*			0.00237***	-0.00141*
e e e e e e e e e e e e e e e e e e e	(0.0007)	(0.0008)			(0.0003)	(0.000802)
US News Ranking in Economics x Econ Dept.	,	,			,	-0.000397*
						(0.000226)
US News Ranking in Political Science x Poli Sci Dept.						-0.000145
						(0.000239)
Constant	11.34***	11.39***	11.23***	11.46***	11.47***	11.38***
	(0.071)	(0.065)	(0.061)	(0.052)	(0.052)	(0.0651)
	(0.071)	(0.003)	(0.001)	(0.032)	(0.032)	(0.0031)
F-test: Female and All Interactions	F(3,1210)=2.95	F(3,1919.7)=1.46	F(3,1926.6)=1.77	F(3,1923.3)=1.51	F(3,1926.6)=1.80	F(3,1915.7)=1.46
P-values	p=0.03	p=0.22	p=0.15	p=0.21	p=0.14	p=0.22
University Fixed Effects	Yes	Yes	Yes	Yes	Yes	Yes
Imputated Data	No	Yes	Yes	Yes	Yes	Yes
Number of Imputated Interations		100	100	100	100	100

Notes: Standard errors (shown in parentheses). The ommitted comparison category for faculty's rank is Assistant Professor. For columns (2)-(6), the variables Years Since PhD Degree (log), Google Scholar's Total Citation Count, hindex, and i10-index were imputed with 100 iterations. See Appendix 1 for detailed description of variables listed in Table 5. ***, **, * denotes statistical significant at the 1 percent, 5 percent, 10 percent levels, respectively.

Table 6: OLS Regression Results - Differential Returns to Citations (Google Scholar's Total Citation Count) by Gender and Field

	Panel A:	By Gender	Panel B: By Field		Panel C: By C	Gender and Field
	(1)	(2)	(1)	(2)	(1)	(2)
Economics Department	0.205***	0.159***	0.211***	0.165***	0.209***	0.163***
•	(0.030)	(0.027)	(0.029)	(0.027)	(0.029)	(0.027)
Political Science Department	-0.0750**	-0.108***	-0.0740**	-0.106***	-0.0820***	-0.113***
	(0.031)	(0.026)	(0.030)	(0.026)	(0.030)	(0.026)
Economist	0.173**	0.298***	-0.137	0.0474	-0.167	0.055
	(0.082)	(0.069)	(0.100)	(0.094)	(0.114)	(0.109)
Political Scientist	-0.118	-0.0463	-0.343***	-0.203**	-0.462***	-0.270**
	(0.082)	(0.069)	(0.101)	(0.095)	(0.119)	(0.114)
Female Faculty	0.0492	0.0784	-0.0688**	-0.0479*	-0.145	-0.0431
	(0.068)	(0.070)	(0.030)	(0.027)	(0.120)	(0.129)
Female Faculty x Economist	0.00707	0.0186	0.00822	0.0217	0.0711	-0.00653
	(0.039)	(0.035)	(0.039)	(0.035)	(0.160)	(0.172)
Female Faculty x Political Scientist	0.0695*	0.0166	0.0765**	0.0248	0.422***	0.292*
	(0.038)	(0.033)	(0.038)	(0.033)	(0.155)	(0.167)
Google Scholar's Total Citation Count (log)	0.0639***	0.0645***	0.00186	0.0179	-0.0032	0.0185
E LE 1 TALCATA CALA	(0.008)	(0.009)	(0.014)	(0.016)	(0.016)	(0.019)
Female Faculty x Total Citation Count (log)	-0.0175*	-0.0187*			0.0117	-0.000772
Economist x Total Citation Count (log)	(0.009)	(0.010)	0.0812***	0.0674***	(0.018) 0.0863***	(0.019) 0.0666***
Economist x Total Citation Count (log)				(0.019)		
Political Scientist x Total Citation Count (log)			(0.017) 0.0605***	0.0422**	(0.019) 0.0803***	(0.021) 0.0555**
Tollical Scientist & Total Citation Count (log)			(0.017)	(0.019)	(0.019)	(0.022)
Female x Economist x Total Citation Count (log)			(0.017)	(0.019)	-0.0095	0.00432
Temale & Deonomist & Total Charlon Count (10g)					(0.024)	(0.025)
Female x Political Scientist x Total Citation Count (log)					-0.0538**	-0.0418*
1 cinare in 1 cinares solutions in 1 cinares countries (reg)					(0.023)	(0.025)
Constant	11.16***	11.19***	11.40***	11.37***	11.44***	11.37***
	(0.073)	(0.065)	(0.080)	(0.078)	(0.096)	(0.096)
F-test: Female and All Interactions	F(4,1211)=2.11	F(4,1914.3)=1.22	F(3,1210)=2.63	F(3,1920.8)=1.44	F(6,1207)=2.39	F(6,1902.8)=1.58
		* '				* * * * * * * * * * * * * * * * * * * *
P-values	p=0.08	p=0.30	p=0.05	p=0.23	p=0.03	p=0.15
University Fixed Effects	Yes	Yes	Yes	Yes	Yes	Yes
Faculty Characteristic Controls ^a	Yes	Yes	Yes	Yes	Yes	Yes
Imputated Data	No	Yes	No	Yes	No	Yes
Number of Imputated Interations		100		100		100
No. Observations	1,262	1,981	1,262	1,981	1,262	1,916
Adjusted R ²	0.698		0.703		0.705	

Notes: Robust standard errors (shown in parentheses). The ommitted comparison category for faculty's rank is Assistant Professor. For column (2) in panels A, B, and C, the variables Years Since PhD Degree (log) and Google Scholar's Total Citation Count were imputed with 100 iterations. ^aFaculty characteristics controls include: years since PhD degree (log) and interactions with field of degree; professor rank and interactions with field of degree. See Appendix 1 for detailed description of variables listed in Table 6. ***, **, * denotes statistical significant at the 1 percent, 5 percent, 10 percent levels, respectively.

Variable Type	Variable Description
Annual Salary Compensation (log)	<u>Dependent Variable</u> : Annual salary in current dollars, as publicly reported by the respective institutions of higher education (IHEs). In cases where multiple salary figures were available, this indicator was full-time equivalent salary including reported benefits. The data represent the most recent reporting year as of July 2018 (which in most cases was 2017). Inconsistencies in reporting necessitate the use of IHE fixed effects for all salary models.
Departmental Affiliation Indicators	School Public Affairs (omitted category) Economics Political Science
Degree Field Indicators	Other Fields (omitted category) Economics Political Science
Gender Indicators	Male Faculty (omitted category) Female Faculty
Rank Indicators	Assistant Professor (omitted category) Associate Professor Full Professor
Experience	Years Since PhD Degree (log)
Productivity Measures	<u>Total Citation Count</u> : Total number of citations. <u>h-index</u> : Characterizes faculty's productity in the field by combining both the breadth and depth of impact of their scholarly work (Hamermesh, 2018). The h-index is calculated by counting the number of publications for which a scholar has been cited by other scholars at least that same number of times. For example, a h-index of 16 means that the scholar has published at least 16 papers that have each been cited at least 16 times.
	i10-index: Measures the number of papers with at least 10 citations. For example, an i10-index of 12 means that 12 publications of the scholar have each been cited at least 10 times.

Notes: The productivity measures are from each faculty's Google Scholar profile as of November 2018. "Other Fields" include other fields whose faculty members are in the school of public affairs, such as, sociology, demography, anthropology, etc.

Source: Publicly available data collected from a variety of sources.

Appendix 2: List of Institution Names by Alphabetical Order

	Name of Institution	No. of Faculty Members	Percent of Faculty Members
1	Arizona State University	68	3.16
2	Baruch College	80	3.72
3	Florida State University	52	2.42
4	Georgia Institute of Technology	39	1.81
5	George Mason University	91	4.23
6	Georgia State University	80	3.72
7	Indiana University Bloomington	96	4.46
8	John Jay College	46	2.14
9	North Carolina State University	42	1.95
10	Ohio State University	73	3.39
11	Rutgers University - Newark	49	2.28
12	Texas A&M University - College Station	93	4.32
13	University at Albany - State University of New York (SUNY)	52	2.42
14	University of Arizona	47	2.18
15	University of California - Berkeley	89	4.14
16	University of California - Los Angeles	129	5.99
17	University of Central Florida	63	2.93
18	University of Colorado - Denver	41	1.91
19	University of Georgia	52	2.42
20	University of Illinois - Chicago	39	1.81
21	University of Kansas	37	1.72
22	University of Kentucky	29	1.35
23	University of Maryland - College Park	71	3.3
24	University of Michigan	113	5.25
25	University of Minnesota	72	3.35
26	University of Missouri - Columbia	35	1.63
27	University of Nebraska - Omaha	30	1.39
28	University of North Carolina - Chapel Hill	62	2.88
29	University of Texas - Austin	100	4.65
30	University of Virginia	94	4.37
31	University of Washington	73	3.39
32	University of Wisconsin - Madison	71	3.30
33	Virginia Commonwealth University	44	2.04
	No. Observations	2,152	100.00

Source: Authors' calculations.