Compensation Analyses: From Theory to Practice

Arizona ILG: Pre-Conference Workshop (November 15, 2012)

Patrick M. Nooren, Ph.D. | patrick@biddle.com |

Daniel Kuang, Ph.D. dkuang@biddle.com

www.biddle.com www.affirmativeaction.com www.bcginstitute.org



Agenda

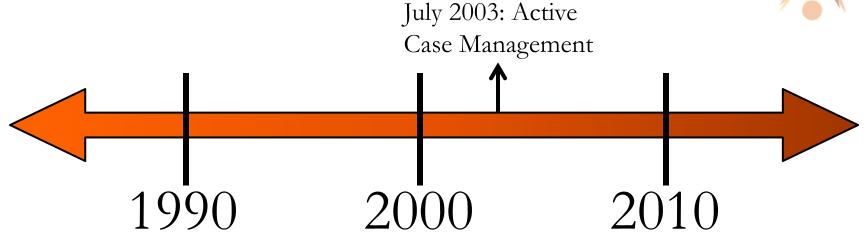


- Compensation Analyses: A Historical Perspective and Why the OFCCP has to Get it Right this Time
- Money is Tight: Compensation Analyses on a Budget
- Understanding the Theory Behind Regression Analyses
- Strategies and Recommendations



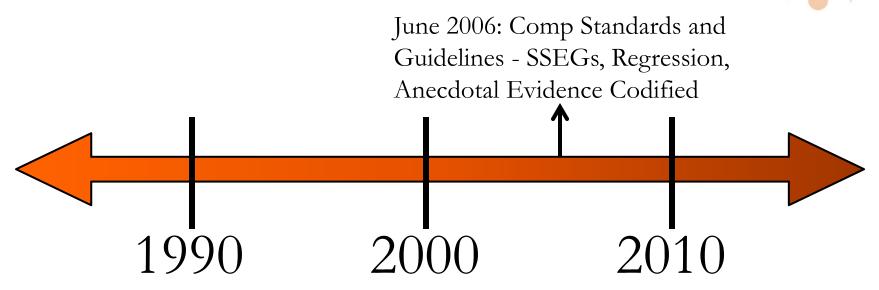
Compensation Analyses: A Historical Perspective and Why the OFCCP has to Get it Right this Time.

The Rise of the Compensation Standards and Guidelines

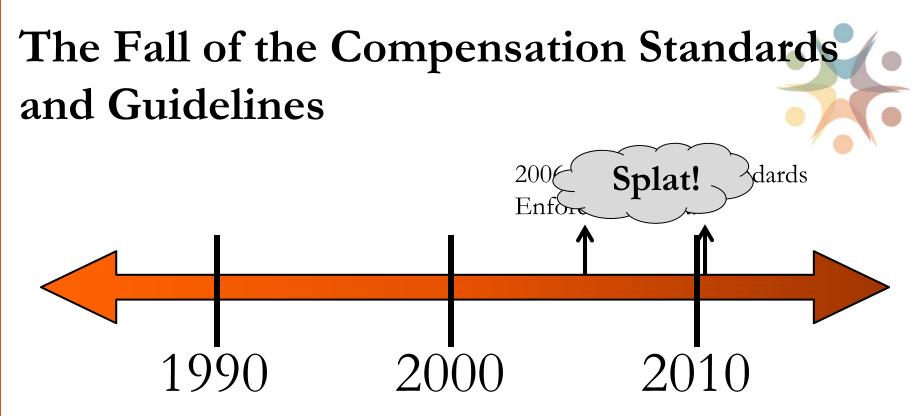


- Dramatic reduction of Agency resources under Charles James (788 FTEs – 585 FTEs)
- Designed to focus Agency resources on issues of systemic discrimination
- Statistics drove investigations
- Resulted in 6+ consecutive years of record enforcement

The Rise of the Compensation Standards and Guidelines

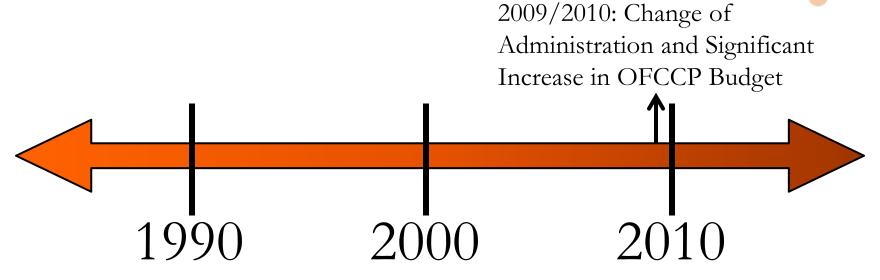


- OFCCP realized that "litigation-worthy" analyses were necessary to successfully investigate compensation.
- Comp Standards (i.e., what the Agency will do) and Guidelines (i.e., what contractors should do) were released in 2006
- Included guidance regarding regression, SSEGs, and the need for anecdotal evidence to support statistical findings (*most* of the time)

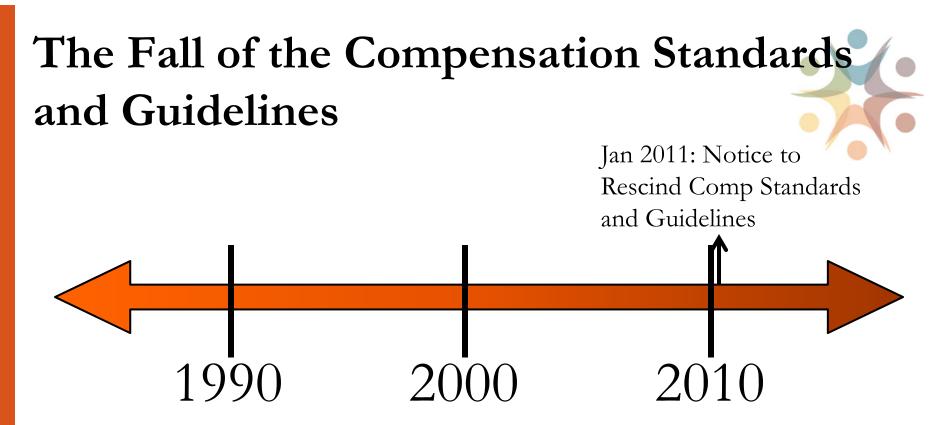


- The bar set high for compensation enforcement (is that such a bad thing?)
- Comp investigations are inherently quirky, can be very time consuming, and typically involve several stages: 1) SSEG argument, 2) Regression argument, 3) Anecdotal evidence
- On the contrary, systemic hiring investigations are relatively straightforward by comparison (and the OFCCP has a successful history of enforcement)
- No systemic compensation-based conciliation agreements in 4+ years

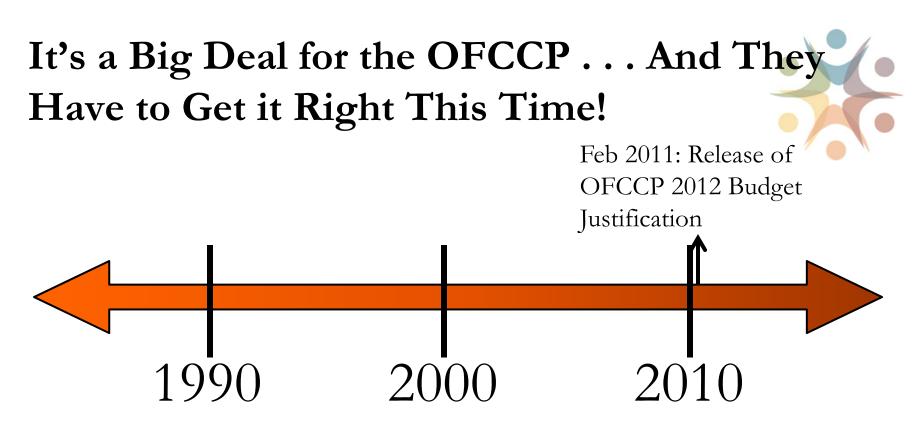
The Fall of the Compensation Standards and Guidelines



- President Obama inaugurated January 20, 2009
- January 29, 2009 Ledbetter signed into law (Paycheck Fairness Act fails)
- January 2010: Establishment of the Equal Pay Enforcement Task Force
- Patricia Shiu becomes director of OFCCP Former EEO litigation attorney (OFCCP is an "enforcement agency")
- OFCCP receives \$20M+ budget increase and approval for 200+ more FTEs
- Tremendous amount of pressure to perform

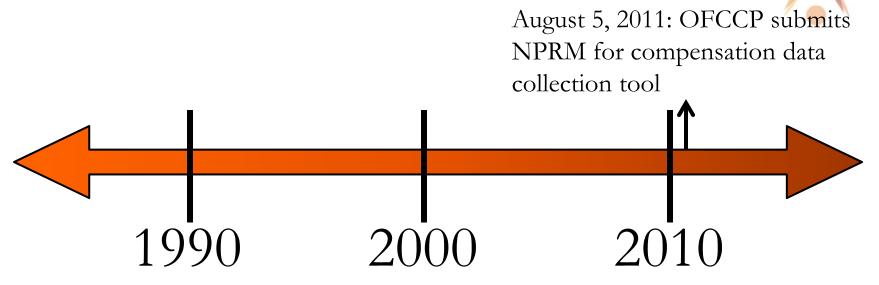


- "Standards have limited OFCCP's ability to effectively investigate, analyze, and identify compensation discrimination"
- OFCCP wants to dramatically lower the bar by eliminating the requirement for SSEGs, regression, and anecdotal evidence . . . (which, by the way, are firmly codified in legal precedent)
- So . . . why lower the bar if the new strategy won't be legally defensible . . . ? Because some organizations will conciliate.

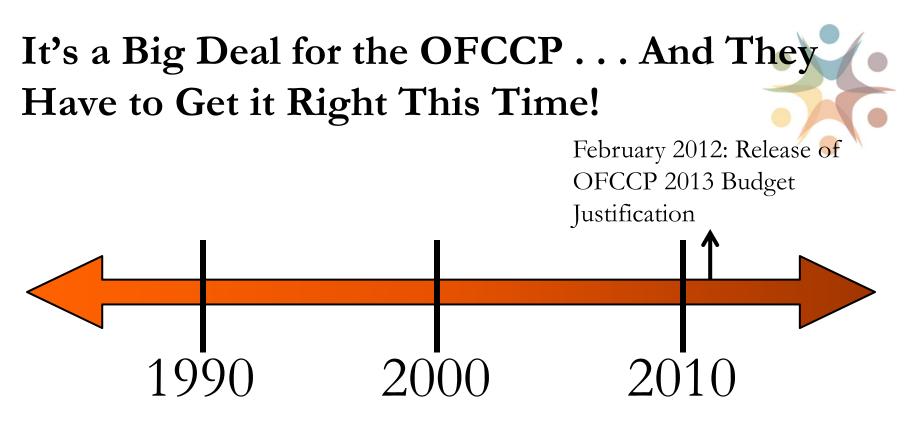


- "OFCCP is making the issue of pay equity a top priority"
- "OFCCP plans to develop and implement a web-based compensation data collection tool that would enable the agency to identify indicators of pay disparity among federal contractors"
- "The scope of the data is yet to be fully determined. Current possibilities include salary, gender, race and ethnicity data for each employee OR average compensation and variances for each group by gender, race and ethnicity" Copyright © Biddle Consulting Group, Inc.

It's a Big Deal for the OFCCP . . . And They Have to Get it Right This Time!



• OFCCP proposes changes to the audit scheduling letter to allow for collection of individual employee-level compensation data (still not yet codified as of today)



- OFCCP Outlines the Federal Contract Compliance System (FCCS), a cloudbased tool that will include:
 - Basic case and content management functionality
 - Dashboard reporting
 - Automated data analysis
 - Electronic submission of AAP data and other HR reports
 - Integration of a compensation data collection tool

It's a Big Deal for the OFCCP . . . And They Have to Get it Right This Time!

Enforcement in the meantime . . . (changing almost daily)

- OFCCP has disbanded use of the former trigger tests and has adopted a much more liberal trigger test (i.e., the "2 or 2")
 - Use the contractors own groupings (e.g., job groups, job titles, etc.) submitted in item 11 of the scheduling letter
 - Are there any groups with greater than 2% differences in average salary between men/women or whites/minorities
 - If so, request detailed compensation data (e.g., 14-16 factors) for all employees
- This liberal of a trigger will likely catch almost everyone . . . so now the Agency can do whatever they want with the data (t-tests, regression, cohort analyses)

It's a Big Deal for the OFCCP . . . And They Have to Get it Right This Time!

Enforcement in the meantime . . . (cont.)

- OFCCP taking an Equal Pay Act (EPA) approach where any difference is actionable (FYI-OFCCP does not enforce the EPA)
 - Cohort-level comparisons
 - In the absence of an identified discriminatory decision
 - Contractor has the burden to justify disparities
- This is all backward!
 - Court precedence states that complainant (i.e., OFCCP/EEOC) has to identify a discriminatory decision prior to shifting the burden to the employer to justify.
 - Just identifying a difference in salaries isn't enough.
- But some contractors will acquiesce.



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Money is Tight: Compensation Analyses on a Budget

By Being Proactive, You Can Dramatically Reduce the Damages

- OFCCP generally begins with a "make-whole" relief calculation which typically includes:
 - Current adjustments
 - Back-pay (for two years)
 - Interest (from the beginning of the enforcement period through the signing of the conciliation agreement)
 - Benefits
- When you proactively identify problems, you have the option to just make current adjustments
- The difference in financial impact (cost) between the OFCCP finding issues v proactively finding them yourself can sometimes be 10X+

It's Nowhere Near as Expensive as You Think... And You Can Set the Budget

- Because of technological advancements, the cost for performing analyses has dropped dramatically . . . analyses can oftentimes be conducted for a fraction of what they cost just a few years ago
- Of course . . . running the analyses is just one portion of the cost, what about the cost of fixing the identified issues?
- The cost for *completely* fixing the identified issues can often dwarf the cost for running the analyses . . . but there is another option . . . allocate a *fixed amount* of available funds then address the issues in priority of legal exposure.

It's Nowhere Near as Expensive as You Think... And You Can Set the Budget

- Creating a fixed-pool of available funds has several advantages:
 - It avoids the need for a "blank-check"
 - It increases the likelihood of receiving approval for the project because now the total costs are known
 - The amount of available funds can be determined based on: 1) budgetary constraints, and 2) a company's level of risk aversion/tolerance
 - You can choose to focus on either: 1) the job titles with the largest exposure, or 2) the most egregiously underpaid employees (regardless of job title)

It's Nowhere Near as Expensive as You Think... And You Can Set the Budget

Risk Tolerance/Aversion Continuum

Conduct No Analyses: It's Identify and Completely Address All Problems Better We Don't Know **Extremely Risk Tolerant Extremely Risk Averse** Conduct Analyses: Moderate Budget Conduct Analyses: Limited Budget to to Fix Issues – Issues Will Take a Few Fix Issues – Issues Will Take Many Years to Address . . . But Exposure Years to Address . . . But Exposure Will be Reduced Will be Reduced Moving in the right direction . . . but how long are you comfortable with the exposure?



Understanding the Theory Behind Regression Analyses

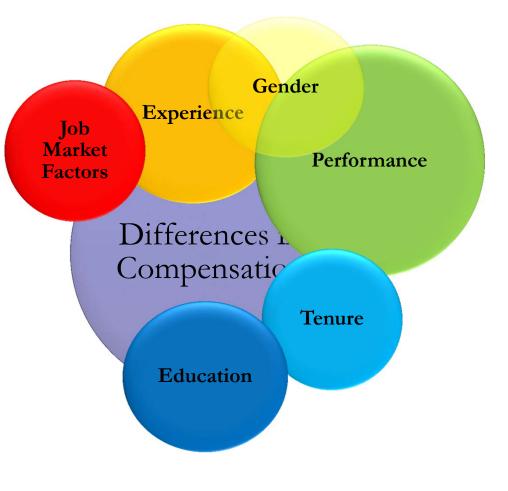
Multiple Linear Regression



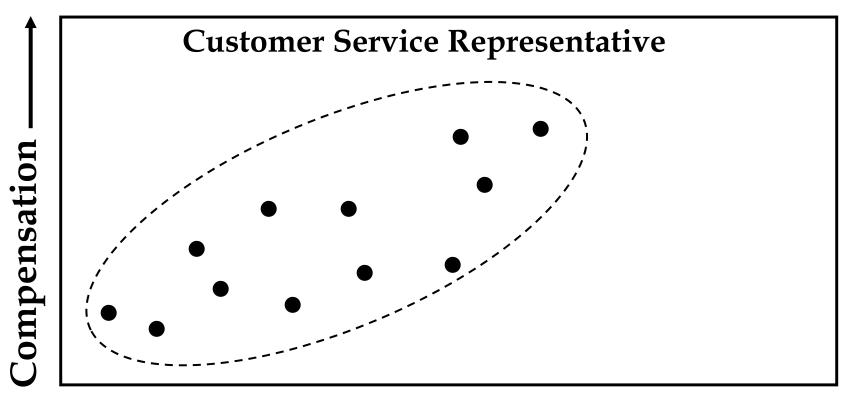
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Multiple Regression

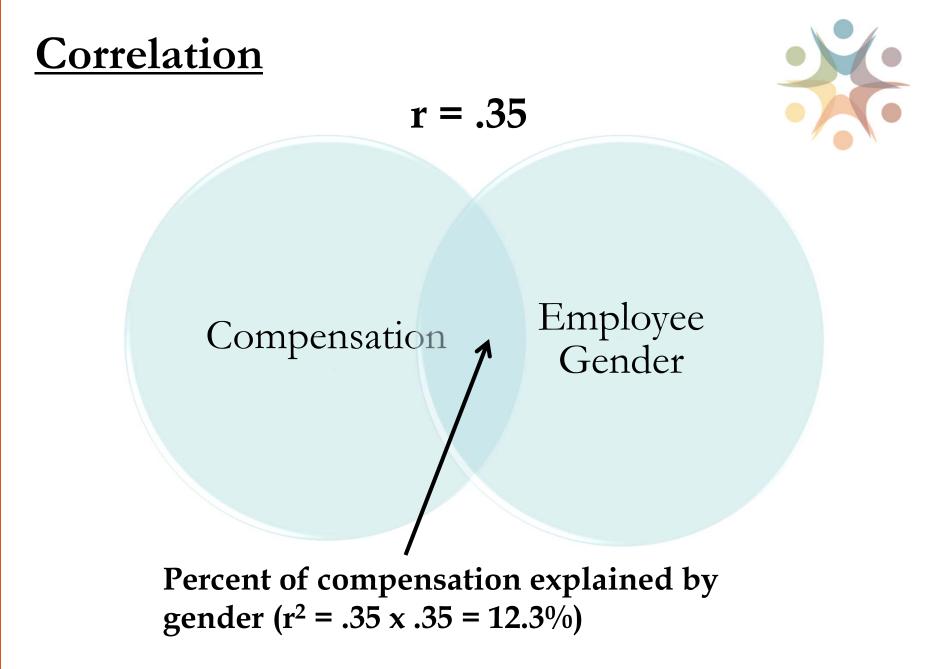
Used to create a "model" to determine whether differences in compensation are due to "legitimate jobrelated factors" or (perhaps) an employee's gender or ethnicity.







Time with Company



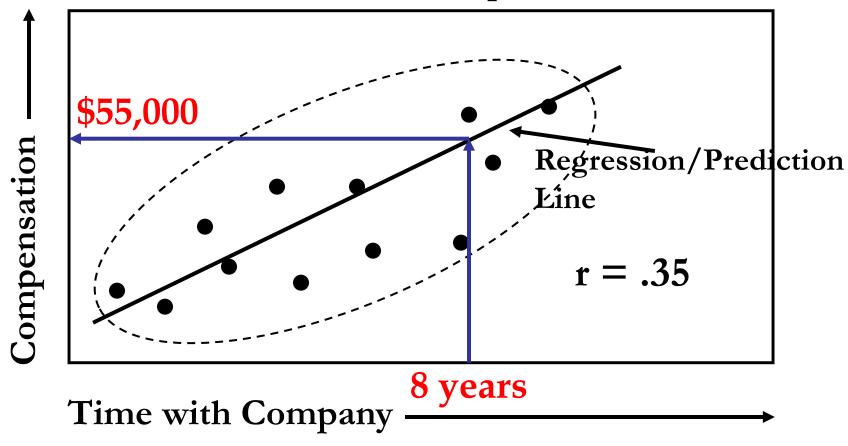
The Correlation Coefficient



Range	• Always between -1.00 and +1.00
Size	 Close to + or - 1.00: stronger the relationship Close to 0.00: weaker the relationship 0.00: no relationship
Direction	 Negative: variables move in the opposite direction Positive: variables move in the same direction
Coefficient of Determination	• Square the correlation coefficient to get the percent of one variable that is accounted for by the other variable



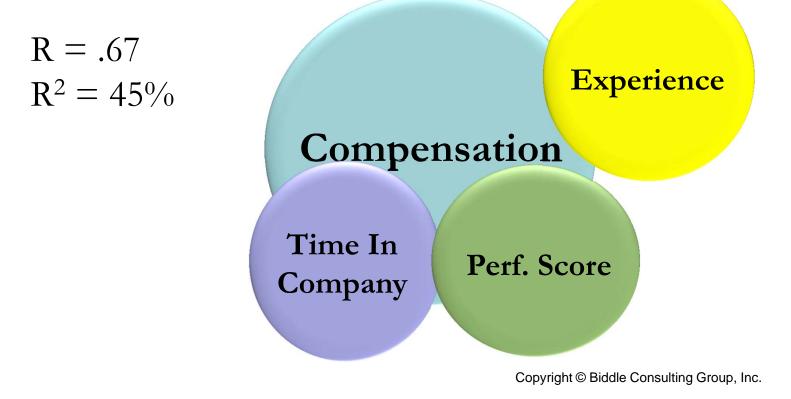
Customer Service Representative



The Regression "Model"



- All variables together become the basis for a prediction / "model" known as a regression model.
- The regression model predicts a certain percentage of what makes up an employee's compensation.

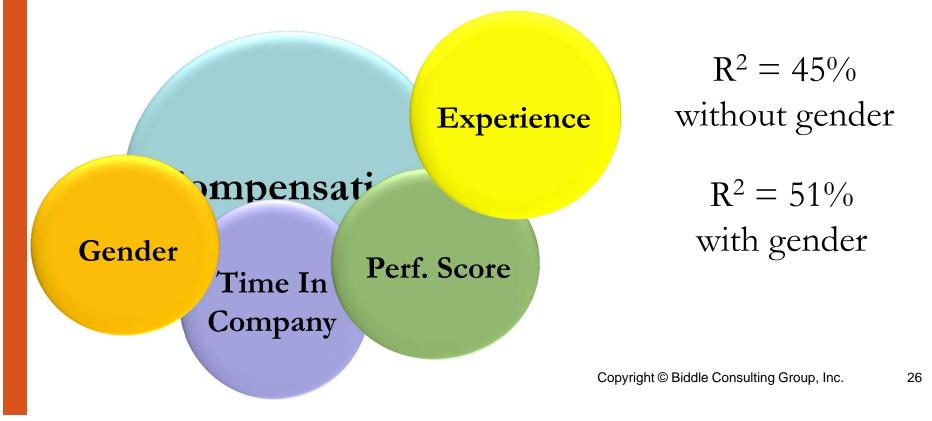


The Regression "Model"



Q: So how does regression help to identify discrimination in pay?

A: If the prediction model becomes significantly better *after* including the protected variable.





Before you start freaking out (again), there is a tool. Just join BCGi...

COMPareTM



Policy/Personnel-Based



Step 1: Audit Current Pay Documentation Practices – Verify sufficient documentation exists to clearly support compensation decisions. Focus primarily on rationale behind <u>starting pay</u> and performance-based specifics.

Step 2: Develop Specific Criteria for Compensation Decisions – Develop objective and measurable guidelines for compensation decisions and apply them consistently. For example: establish (narrow) starting salary ranges for specific positions.

Step 3: Review Compensation Decisions – Establish third-party internal review process for compensation decisions (e.g., starting salary, yearly increases, etc.) . . . review should be conducted by personnel with knowledge of identified issues.



Policy/Personnel-Based (cont.)

Step 4: Revise Document Retention Practices as Necessary – Maintain records regarding compensation decisions to ensure data/evidence is available in the event of future litigation.

Step 5: Train Supervisors and Managers – Train all supervisors and managers regarding new policies/procedures.

Step 6: Conduct Periodic Statistical Analysis of Compensation Data – Proactively determine whether pay disparities exist. Once identified, make adjustments to eliminate unexplained disparities (only make adjustments after a statistical and cohort-level review have been conducted)

Strategies and Recommendations <u>Analytical</u>

Nothing "sells" the need for action like liability calculations!

Step 1: Create pivot tables (as initial investigation)

	1					
			Grand		Difference	Potential
Data	Female	Male	Total	Difference	(%)	Liability (\$) ¹
Count of GENDER	12	5	17			
Average of Salary	\$12.08	\$14.52	\$12.80	\$2.44	16.8%	\$152,256.00
Average of Time in Company	3.0	8.9	3.9	5.9		
Average of Performance	3.1	4.6	3.5	1.5		
Average of Time in Job	1.1	3.6	1.8	2.5		
Count of GENDER	24	126	150			
Average of Salary	\$11.29	\$13.25	\$12.94	\$1.96	14.8%	\$244,608.00
Average of Time in Company	4.2	3.1	3.9	-1.1		
Average of Performance	3.4	2.9	3.3	-0.5		
Average of Time in Job	4.2	3.1	3.9	-1.1		
Count of GENDER	45	29	74			
Average of Salary	\$14.29	\$14.35	\$14.31	\$0.06	0.4%	\$14,040.00
Average of Time in Company	5.1	4.9	5.0	-0.2		
Average of Performance	3.0	3.0	3.0	0.0		
Average of Time in Job	2.9	2.7	2.8	-0.2		
Count of GENDER	8	15	23			
Average of Salary	\$15.97	\$17.42	\$16.92	\$1.45	8.3%	\$60,320.00
Average of Time in Company	6.6	6.7	6.6	0.1		
Average of Performance	4.2	4.2	4.2	0.0		
Average of Time in Job	4.1	4.2	4.1	0.1		
Count of GENDER	15	24	39			
Average of Salary	\$23.70	\$23.70	\$23.70	\$0.00	0.0%	\$0.00
	8.3	2.0	6.4	-6.3		
Average of Performance	4.8	2.9	4.2	-1.9		
Average of Time in Job	4.9	0.8	3.7	-4.1		
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Note:

1. Potential Liability = "Make-Whole Relief" = Difference (\$) x 2080 (hours) x 2 (years) x # impacted x 1.25 (benefits + interest)

Strategies and Recommendations <u>Analytical (cont.)</u>



Step 2: Conduct statistical regression analyses (if differences are identified in initial review)

Step 3: Prioritize your efforts (focus on the low-hanging fruit – i.e., a statistically significant difference with a large number of employees
Step 4: Conduct "cohort" review (i.e., a file-by-file review to identify why differences remain – *starting salary*, education, prior salary, quantity or quality of previous experience)

• Starting salary is often the culprit . . . But the question is *why are the starting salaries different and do you have the information necessary to justify the difference?*

Step 5: Make changes where differences cannot be justified statistically <u>or</u> by cohort review (must use regression analyses to identify the amount needed for each impacted individual)

Strategies and Recommendations <u>Cohort Review (Example 1)</u>



Sample Cohort Analysis Ordered by Salary (Descending)

			Time in Co.	Avg. Perform.	
Name	Gender	Salary (\$)	(Years)	Scores (3 years)	Educ. (Years)
Steve Randall	М	\$57,000	7.3	3.5	18
Chris Avery	Μ	\$52,350	4.9	3.3	16
Leigh Barrows	F	\$51,950	12.1	3.9	18
Danielle Yoko	F	\$51,500	11.0	3.4	16
Mike Freeman	Μ	\$51,000	13.9	2.9	16
Frank Viola	Μ	\$50,500	8.7	3.2	16
John Smith	Μ	\$50,000	8.5	3.5	16
Frank Robison	М	\$49,560	12.1	3.7	16
John Cameron	Μ	\$49,250	9.5	3.0	16
Mike Stevens	Μ	\$48,995	10.9	4.0	16
Shelli Jackson	F	\$48,000	8.5	2.9	16
Desiree Laub	F	\$47,580	8.9	3.8	16
Dan Bostick	Μ	\$43,675	9.2	2.9	16
Nina Ling	F	\$42,850	3.6	3.9	18
Heather Monte	F	\$42,678	4.9	3.8	16
Shana Larris	F	\$40,750	12.8	3.8	16
Nancy Tramel	F	\$40,500	5.6	3.3	16

Strategies and Recommendations <u>Cohort Review (Example 2)</u>



Sample Cohort Analysis Ordered by Time in Company (Descending)

			Time in Co.	Avg. Perform.	
Name	Gender	Salary (\$)	(Years)	Scores (3 years)	Educ. (Years)
Mike Freeman	М	\$51,000	13.9	2.9	16
Shana Larris	F	\$40,750	12.8	3.8	16
Leigh Barrows	F	\$51,950	12.1	3.9	18
Frank Robison	М	\$49,560	12.1	3.7	16
Danielle Yoko	F	\$51,500	11.0	3.4	16
Mike Stevens	Μ	\$48,995	10.9	4.0	16
John Cameron	Μ	\$49,250	9.5	3.0	16
Sarah Norris	F	\$47,560	9.2	2.9	16
Dan Bostick	Μ	\$43,675	9.2	2.9	16
Desiree Laub	F	\$47,580	8.9	3.8	16
Frank Viola	Μ	\$50,500	8.7	3.2	16
John Smith	Μ	\$50,000	8.5	3.5	16
Nancy Tramel	F	\$40,500	5.6	3.3	16
Heather Monte	F	\$42,678	4.9	3.8	16
Chris Avery	Μ	\$52,350	4.9	3.3	16
Nina Ling	F	\$42,850	3.6	3.9	18



Impact of Starting Salary (Example 1)

Longitudinal Impact of \$4,000 Difference in Starting Salaries (Assuming a Constant 4% Yearly Increase)

Year	Salary	- Doy Dignority (\$)	
	Mike	Stephanie	- Pay Disparity (\$)
Starting	\$40,000.00	\$36,000.00	\$4,000.00
5	\$46,794.34	\$42,114.91	\$4,679.43
10	\$56,932.47	\$51,239.23	\$5,693.25
15	\$69,267.06	\$62,340.35	\$6,926.71
20	\$84,273.97	\$75,846.57	\$8,427.40
25	\$102,532.17	\$92,278.95	\$10,253.22
30	\$124,746.06	\$112,271.45	\$12,474.61

Accumulated difference over 30 years: \$224,339.75



Impact of Starting Salary (Example 2)

Longitudinal Impact of \$4,000 Difference in Starting Salaries (Assuming: 4%) Yearly Increase for Mike / 5% Yearly Increase for Stephanie)

Voor	Salar	ry (\$)	Day Dignarity (\$)
Year —	Mike	Stephanie	Pay Disparity (\$)
Starting	\$40,000.00	\$36,000.00	\$4,000.00
1	\$41,600.00	\$37,800.00	\$3,800.00
2	\$43,264.00	\$39,690.00	\$3,574.00
3	\$44,994.56	\$41,674.50	\$3,320.06
4	\$46,794.34	\$43,758.23	\$3,036.12
5	\$48,666.12	\$45,946.14	\$2,719.98
6	\$50,612.76	\$48,243.44	\$2,369.32
7	\$52,637.27	\$50,655.62	\$1,981.66
8	\$54,742.76	\$53,188.40	\$1,554.37
9	\$56,932.47	\$55,847.82	\$1,084.66
10	\$59,209.77	\$58,640.21	\$569.56
11	\$61,578.16	\$61,572.22	\$5.95
12	\$64,041.29	\$64,650.83	



