

Logib-D: Assessing the Gender Pay Gap on Firm Level

Prague, November 20, 2014

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agenda

the Logib-D coordination office

about the functionality of the Logib-D software

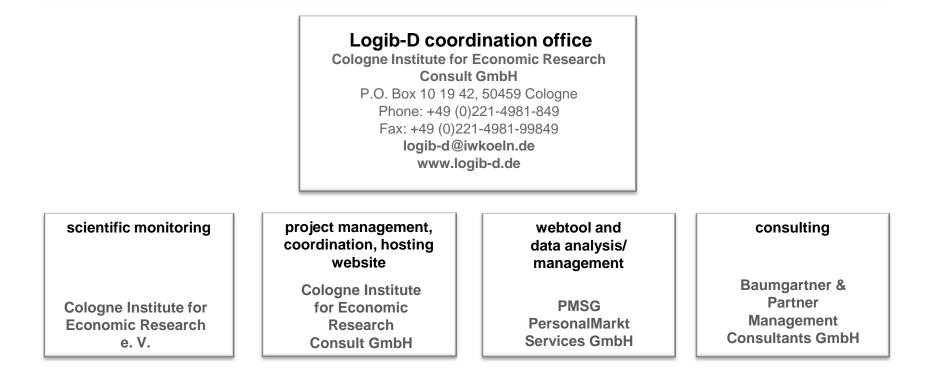
concluding remarks





Logib-D: who's who?

Federal Ministry for Family Affairs, Senior Citizens, Women and Youth of Germany (BMFSFJ)







the Logib-D coordination office

- what are the tasks of the Logib-D coordination office?
 - point of contact for all internal and external requests (email, phone).
 E.g.
 - requests from the ministry, interested companies, journalists
 - requests concerning the Logib-D tools, the consultation process, the application procedure, technical requirements, interpretation of results,
 ...
 - managing / updating the website www.logib-d.de
 - news, instruction manuals, application deadlines, appointments (e.g. Logib-D network meeting), background information, ...





the Logib-D coordination office

- promoting Logib-D in the public domain, and particularly to make it known to german companies: E.g.
 - presenting Logib-D at human resources events and networking events (e.g. HR trade fairs or employers' associations meetings); with exhibition counter, presentations, give-aways, flyers
 - promoting Logib-D by notifications, (scientific) publications, in social media,...

organization of the Logib-D consultation process:

- regular advisory board meetings
- kick-off workshops for participating companies (including video tutorials)
- label award ceremony ("Logib-D geprüft"- Logib-D approved) and network meetings for exchange of experiences





potential benefits for companies

- reasons for using the Logib-D software?
 - skilled labour shortage / demographic change: Communicating the application of Logib-D (e.g. via the Logib-D label) might support firms in raising their attractiveness, particularly for qualified females
 - internal transparency of pay structures:

Logib-D improves the internal transparency and enhances the awareness of gender pay equality

employee satisfaction:

Logib-D supports employee satisfaction, since increasing pay equality can foster work motivation

• reporting:

The data provided with Logib-D enables companies to include various gender data into their reporting framework (e.g. in sustainability reports).





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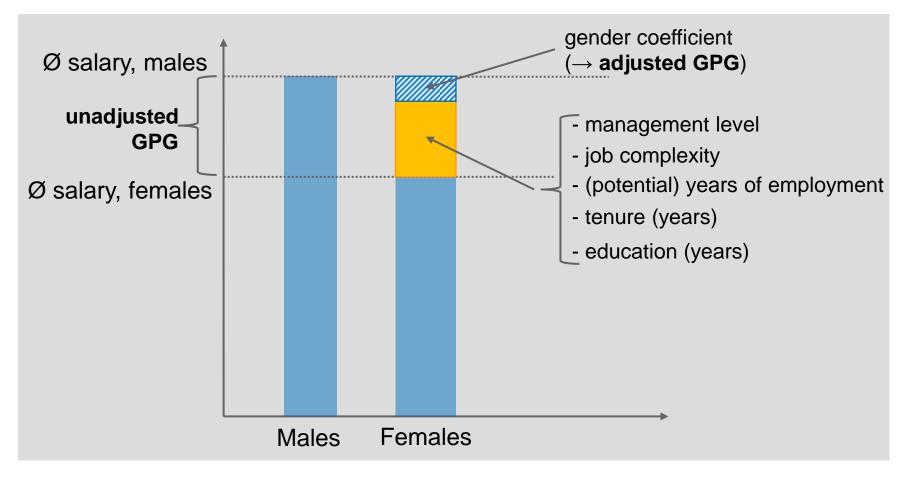
the Logib-D software data requirements

- The following data should be provided for each employee:
 - salary (total cash or fixed salary or variable salary components)
 - gender
 - age
 - educational attainment (up to 6 items)
 - entry date (and possibly the emloyment breaks of each person)
 - job complexity (up to 6 items)
 - management level (up to 6 items)





what does Logib-D do? analyzing the gender pay gap (GPG)

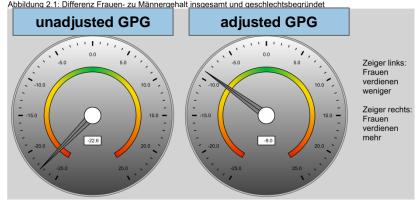






the Logib-D software interpretation of the results

 The aim is to find out which part of the unadjusted GPG is explained
 Source: y
 by personal and job-specific characteristics



Source: www.logib-d.de, webtool - outcome report 1 based on test data, original output in german

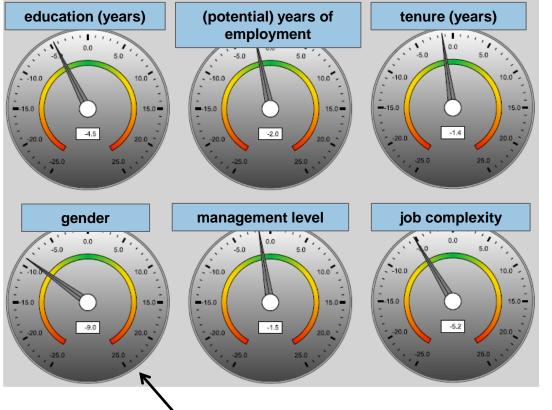
- E.g. if the unadjusted GPG is 22,6 % and the adjusted GPG is 9 %:
 - Females earn on average 9 % less than males if they <u>don't differ</u> in education, tenure, (potential) years of employment, job complexity and management level
 - This means that about 60% of the unadjusted GPG is explained by the included variables





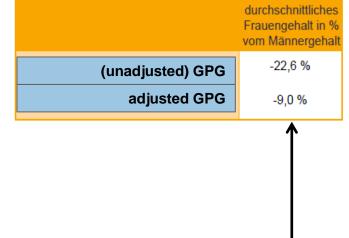
Logib-D webtool outcome report, abstract I

Abbildung 2.4: Anteil der Variablen an der Gehaltsdifferenz zwischen Männern und Frauen



In the Logib-D webtool, detailed information about the impact of each single variable on the GPG is provided

Tabelle 2.1: Differenz Frauen- zu Männergehalt insgesamt und geschlechtsbegründet



Source: www.logib-d.de, webtool - outcome report 1 based on test data, original output in german





Logib-D webtool outcome report, abstract II

Tabelle 2.2: Durchschnittswerte der Erklärungsmerkmale nach Geschlecht

		Durchschnittswerte/ Verteilung		Diff. in
		males	females	%
age (years) education (years) (potential) years of employment tenure (years)	Alter Ausbildungsjahre Erwerbsjahre (potenziell) Dienstjahre	47,0 13,5 27,5 16,9	45,7 13,0 26,7 15,2	-2,8 % -3,7 % -2,9 % -10,1 %
 management level 1) without leadership function 2) lowest management level 6) top management level 	 Berufliche Stellung Mittelwert 1. Ohne Führungsfunktion 2. Unterste Führungsebene (Anleitung, Überwachung von Arbeiten) 3. Untere Führungsebene (Abteilungs- / Gruppenleitung) 4. Mittlere Führungsebene (bis 250 Mitarbeiter) 5. Obere Führungsebene (über 250 Mitarbeiter) 6. Oberste Führungsebene (über 1.000 Mitarbeiter) 	3.2 8,5 % 31,8 % 19,5 % 14,0 % 19,7 % 6,6 %	2.8 12,6 % 35,2 % 26,1 % 10,6 % 12,6 % 2,9 %	48,2 % 10,7 % 33,8 % -24,3 % -36,0 % -56,1 %
job complexity 1) most simple operations 6) most challenging operations	Anforderungsniveau Mittelwert einfache Tätigkeiten (auch ungelernte) wiederkehrende Aufgaben (Berufsausbildung) teilweise wiederkehrende Aufgaben (Mstr. od. Ausb. mit Erf.) 	4.2 1,7 % 3,4 % 25,9 %	3.7 2,9 % 10,6 % 32,9 %	70,6 % 211,8 % 27,0 %
	 qualifiziertes Arbeiten (Studium od. Mstr., Akademie mit Erf.) hoch qualifiziertes Arbeiten (Studium, >2 J. Erfahrung) höchst anspruchsvolle Tätigkeiten (Studium, > 8 J. Erfahrung) 	28,6 % 27,8 % 12,5 %	27,4 % 21,6 % 4,5 %	-4,2 % -22,3 % -64,0 %

Source: <u>www.logib-d.de</u>, webtool - outcome report 1 based on test data, original output in german

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the Logib-D software requirements and characteristics

- the included variables are in line with scientific standards
- sufficient number of observations
- sufficient number of females and males in the analysis
- the total number of variables is restricted, because
 - the input / costs should be limited for companies
 - the results of the Logib-D software will not be valid for smaller companies





the Logib-D software webtool vs. exceltool

analyzing the (adjusted) gender pay gap in companies

webtool:

- online usage
- easy-to-use procedure
- test data set and work sheet available
- detailed analysis of GPG
- outcome report (pdf) with broad explanations
- outcome reports based on test data, online available

exceltool:

- downloadable from website
- step-by-step instruction manual
- test data set and work sheet available
- two regression models (basic and advanced)
- results presented on excelsheets





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Logib-D concluding remarks

- Logib-D is supposed to be a highly adequate software to analyze the GPG in companies
- Logib-D reveals the impact of some of the most relevant factors on the GPG and, therefore, makes it for HR managers much easier to identify starting points for developing measures to reduce potentially existing pay differences in their companies
- By disseminating Logib-D, it may offer a perspective to establish gender pay equality on firm-level as a (key) success factor in HR management in the long-run





Thank you very much!

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