

# **SURVEY FOR GRADUATES OF THE TECHNICAL UNIVERSITY OF DARMSTADT**

**ZLEADIN1**

**KERN**

**Thank you very much for your willingness to participate in the graduate survey of the Technical University of Darmstadt.** It is conducted in cooperation with the [Institute for Applied Statistics](#). Filling in the questionnaire is voluntary and will take approximately 30 minutes.

## **Data protection**

Please log in using the access code we sent you. With it you can also pause the survey at any time and continue later.

In order to create a customised survey for every student programme, the Technical University of Darmstadt transmitted a [list](#) of all degrees completed within the last examination period to the Institute for Applied Statistics. This list contains the time of the examination (month/year), the field(s) of study and additional demographic information, but no names, addresses or registration numbers.

When you log in, information concerning your degree type and the fields of study in your completed study programme will be filled in automatically via your access code.

You accept this procedure with your login. Furthermore you agree that your answers will be forwarded to the Technical University of Darmstadt in order to improve the quality of study programmes.

[Data Protection Agreement](#) between the Institute for Applied Statistics and the Technical University of Darmstadt.

You have the option of [correcting](#) and/or [deleting](#) your data. We also provide the option of [lodging a complaint](#) with our data protection commissioner.

[Information](#) on the use of text-to-speech software

**Vielen Dank für Ihre Bereitschaft, an der Absolvent\*innenbefragung der Technischen Universität Darmstadt teilzunehmen.** Diese wird in Kooperation mit dem [Institut für angewandte Statistik](#) durchgeführt. Die Beantwortung des Fragebogens ist freiwillig und wird etwa 30 Minuten in Anspruch nehmen.

## **Datenschutz**

Bitte melden Sie sich mit dem Ihnen zugesandten Zugangscode an. Die Befragung kann jederzeit unterbrochen und nach Eingabe des Zugangscode fortgesetzt werden.

Damit die Befragung bestmöglich auf Sie zugeschnitten werden kann und Ihnen unnötige Dateneingaben erspart bleiben, hat die Technische Universität Darmstadt eine [Liste](#) mit allen im Prüfungsjahrgang erfolgten Abschlüssen an das Institut für angewandte Statistik übermittelt. Diese Liste enthält den Prüfungszeitpunkt (Monat/Jahr) und die Studienfächer sowie einige weitere demographische Informationen, jedoch keine Namen, Adressen oder Matrikelnummern.

Die Informationen zu Abschlussart und Studienfächern des von Ihnen abgeschlossenen Studiengangs werden über den Ihnen vorliegenden Zugangscode automatisch in die Befragung eingetragen.

Mit der Eingabe Ihres Zugangscode stimmen Sie dem oben beschriebenen Verfahren und der Übermittlung der Befragungsergebnisse an die Technische Universität Darmstadt zum Zwecke der Studiengangsentwicklung und des Qualitätsmanagements zu.

[Datenschutzvereinbarung](#) zwischen dem Institut für angewandte Statistik und der Technischen Universität Darmstadt.

Sie haben die Möglichkeit, eingegebene Daten [korrigieren](#) und / oder [löschen](#) zu lassen. Eine [Beschwerdemöglichkeit](#) bieten wir über unseren externen Datenschutzbeauftragten.

[Informationen](#) zum softwaregestützten Vorlesen des Fragebogens

☐ Deutsch

☐ English

Please enter your access code:

Login

Anzeigen, wenn Benutzer Fragebogen-Admin-Rechte besitzt

0 Do you want to deactivate the filters in the questionnaire? (admin)

A1

- ☐ Ja
- ☐ Nein

screen WELCOME TO THE QUESTIONNAIRE FOR PHD GRADUATES

KERN

Z290\_pdo

This questionnaire applies to your finished PhD in [Platzhalter]. Is this information about your Phd correct?

Kern

- ☐ Yes, I completed my PhD in this field of study.
- ☐ No, I completed my PhD in another field of study.
- ☐ No, I obtained another degree (e.g. master's).
- ☐ No, I obtained another degree in another field of study.

only respondents, who correct their degree

Z7 Which degree did you obtain instead?

Kern

Please choose your degree from the list.

Bitte wählen

Correct degree

Other degree

only respondents, who correct their field of study

**Z8** In which field of study did you graduate instead? (Gefilterter Fragetext)  
In which fields of study did you study? (Gefilterter Fragetext)

Kern

Please indicate here only your **professional specialisation** and refer exclusively to it in the following evaluations.  
Please indicate here only your **general education subject** and refer exclusively to it in the following assessments.  
Please select your field of study from the list or if necessary specify your field of study.

Bitte wählen

First field of study

If necessary specify another field of study

Other first field of study

### Second field of study

Please select your field of study from the list or if necessary specify your field of study.

Bitte wählen

Second field of study

If necessary specify another field of study

Other second field of study

### Third field of study

Please select your field of study from the list or if necessary specify your field of study.

Bitte wählen

Third field of study

If necessary specify another field of study

Other third field of study

### Fourth field of study

Please select your field of study from the list or if necessary specify your field of study.

Bitte wählen

Fourth field of study

If necessary specify another field of study

Other fourth field of study

## A CURRENT WORK AND EMPLOYMENT SITUATION

**ZG**

KERN

The following section refers to your current work and employment situation.

- Please enter your current jobs in the table below.
- The legend gives you an overview of the activities that can be selected in the table's drop-down list.

### Legend

**A1** What applies to your current situation? (Gefilterter Fragetext)  
**Z75\_pdo**

Kern

Since

Activity

Please choose

Sonstiges\_Tätigkeit

[Neue Zeile einfügen](#) (maximal 6)

**only for respondents with more than one job**

A2 **Which occupation is the most important for you?**

**Z298**

**Kern**

In the following, please refer to the most important occupation.

Die Liste der Beschäftigungsarten sowie des Beginns der jeweiligen Beschäftigung wird dynamisch aus den bis zu sechs verschiedenen unter Z75 Episodenlogik angegebenen Beschäftigungsepisoden zusammengestellt (eine genauere Beschreibung findet sich im KOAB-Wiki: <https://koabwiki.istat.de/index.php?title=Z298> ).

**only respondents, who have employment**  
**only respondents, who are employee or self-employed**

A3 **What is your position in your current job?**

**Z79**

**Kern**

- ☐ Employee **(Gefiltertes Item)**
- ☐ Public servant **(Gefiltertes Item)**
- ☐ Labourer **(Gefiltertes Item)**
- ☐ Research assistant **(Gefiltertes Item)**
- ☐ Student trainee **(Gefiltertes Item)**
- ☐ Self-employed professional **(Gefiltertes Item)**
- ☐ Self-employed in trade, industry, services, etc. **(Gefiltertes Item)**
- ☐ Other:  **(Gefiltertes Item)**

**only respondents, who have employment**  
**only respondents, who are employee or self-employed**  
**only public servants**

A4 **What kind of public servant are you?**

**Z293**

**Kern**

- ☐ Lower level public servant
- ☐ Middle level public servant
- ☐ Upper level public servant
- ☐ Higher level public servant

**only respondents, who have employment**  
**only respondents, who are employee or self-employed**  
**only employees**

A5 **I am an employee...**

**Z294**

**Kern**

- ☐ with executive activity, according to general instructions (e.g., salesperson, typist)
- ☐ with a qualified activity which I do by order (for example, a clerk)
- ☐ with an independent performance in responsible work (for example a scientist, a doctor, an engineer, a social worker, a teacher, a department manager, a procurator)
- ☐ with comprehensive management tasks and decision-making powers (for example, director, executive director, executive board of larger companies and associations)

**only respondents, who have employment**  
**only respondents, who are employee or self-employed**  
**only self-employed**

A6 **As a self-employed person I have...**  
**Z295**

Kern

- ☐ no further employees
- ☐ 1 additional employee
- ☐ 2-4 additional employees
- ☐ 5-9 additional employees
- ☐ more than 10 additional employees

**only respondents, who have employment**  
**only respondents, who are employee or self-employed**  
**without self-employed**

A7 **What applies to your current job?**  
**Z397**

Kern

You may give more than one answer

- ☐ I supervise employees and give them tasks (functional responsibility)
- ☐ I (co-)select employees (hiring and, if necessary, dismissing)
- ☐ I make independent expense decisions (budget responsibility)
- ☐ None of those

**only respondents, who have employment**  
**only respondents, who are employee or self-employed**  
**without self-employed**

A8 **Academic fields of employment: Which statements characterise your current job?**  
**ZP27**

Fach

You may give more than one answer

- ☐ Not applicable, I have a non-academic job
- ☐ Post-doctoral position (e.g. academic employee, assistant position, academic advisor, etc.)
- ☐ Junior professor or other temporary teaching position
- ☐ Professorship/Professur
- ☐ Head of a working group
- ☐ Head of a department
- ☐ The job offers the possibility of writing a post-doctoral thesis / habilitation
- ☐ Involves teaching
- ☐ Involves research
- ☐ Involves third-party fund-raising
- ☐ Possibility of independent research
- ☐ Possibility of independent teaching
- ☐ Possibility of independent third-party fund-raising

only respondents, who have employment  
only respondents, who are employee or self-employed  
without self-employed

A9 Have you completed a habilitation or are you intending to?

ZP40

Fach

- ☐ Yes, I have completed a habilitation
- ☐ Yes, I'm currently working on my habilitation
- ☐ Yes, I intend to complete a habilitation
- ☐ No, I don't intend to complete a habilitation
- ☐ I haven't decided yet

only respondents, who have employment  
only respondents, who are employee or self-employed  
without self-employed

A10 Do/did you have a position as junior professor or do you plan to apply for such a position?

ZP41

Fach

- ☐ Yes, I had/have a position as junior professor
- ☐ Yes, I intend to apply for a position as junior professor
- ☐ No
- ☐ I don't know (yet)

only respondents, who have employment  
only respondents, who are employee or self-employed  
without self-employed

A11 What type of contract do you have in your current employment?

Z80

Kern

- ☐ Unlimited term
- ☐ Fixed term

only respondents, who have employment

A12 How many hours per week do you work on average? (Gefilterter Fragetext)  
How many hours per week do you work on average in your most important employment? (Gefilterter Fragetext)  
How many hours per week do you work on average in your self-employment? (Gefilterter Fragetext)

Z81

Kern

- Contract working hours
- Actual working hours

only respondents, who have employment  
only self-employed

A13 Have you started your own company/business?

Z299

Kern

- ☐ Yes
- ☐ No

**only respondents, who have employment**

A14 **Do you have budgetary control in your current job?**

**ZP38**

**Fach**

- ☐ Yes
- ☐ No

**only respondents, who have employment**

A15 **What is your current gross monthly income (incl. special payments and overtime)? (Gefilterter Fragetext)**  
**Z82** **What is your current gross monthly income (incl. special payments and overtime) in your most important employment? (Gefilterter Fragetext)**  
**Please estimate your monthly profit of your self-employment taxes excluded. (Gefilterter Fragetext)**

**Kern**

[Antwortoptionen auf- / zuklappen](#)

**only respondents, who have employment**

A16 **Where are you currently employed?**

**Z83**

**Kern**

- ☐ In Germany → Please enter the postcode:   
If postcode is not known → Please name the place:
- ☐ In another country → Please enter the name of the country:

**only respondents, who have employment**

A17 **Where do you usually perform your professional tasks at the moment?**

**Z803**

**Optional**

- ☐ 100% in on-site presence
- ☐ Mainly in on-site presence
- ☐ 50/50: Home office and on-site presence in equal parts
- ☐ Mainly in the home office and to a lesser extent in on-site presence
- ☐ 100% home office

**only respondents, who have employment**

A18 **What is your current profession?**

**Z84**

**Kern**

If possible, please fill in the exact job title, e.g. trainee teacher, design engineer, social worker, assistant manager, etc.

Job title

**only respondents, who have employment**

A19 **What is the branch or field of industry you are currently employed in?**  
**Z85**

Kern

If possible, please choose the appropriate option or fill in the exact description, e.g. car manufacturing, primary school, hospital, consulting.

Please chc ▼

Other branch/field

**only respondents, who have employment**

A20 **In which sector do you currently work?**  
**Z86**

Kern

- ☐ Private for-profit sector (incl. self-employment, freelance work and incentive type work)
- ☐ Public sector
- ☐ Private non-profit sector (organisations, churches etc.)

**only respondents, who have employment**

A21 **What is your main task in your current job?**  
**Z87**

Kern

If possible, please choose the appropriate option or specify the exact description, e.g. construction, teaching, R & D.

Please chc ▼

Other main task

**only respondents, who have employment  
only respondents, who has principal activity (main job)**

A22

**Z712**

**In which fields are you active?**

**Kern**

You may give more than one answer

- ☐ Research without relevance to application
- ☐ Research with indirect relevance to application
- ☐ Research with direct relevance to application
- ☐ Experimental development (it is uncertain whether the development can be implemented)
- ☐ Regular development (it is certain that the development can be implemented)
- ☐ None of the above

**Remarks:**

**Non-application-oriented research** serves to improve a body of knowledge without aiming to achieve economic or social benefits, or actively seeking to apply results to concrete problems or to channel them to the sector responsible for their application.

**Research with indirect relevance to application** is conducted in the expectation that it will create a broad body of knowledge that will form the core for solving problems or realising opportunities that arise in the present or in the future.

**Research with direct relevance to application** represents original work carried out to acquire new knowledge, but primarily directed towards a specific practical goal or outcome.

**Experimental development** leads to new knowledge being generated. Experimental development ends where there is no longer a question of creatively producing something new and thus there is no longer any uncertainty about the outcome.

- *Example* : In the development process of a new car model, the possibility of using some existing technologies could be explored and these could be tested in the car model in question. This is the phase of experimental development in which a new application of general knowledge leads to new results. The criterion of uncertainty is fulfilled, as the tests can lead to negative results. The activity is inevitably creative, as it focuses mainly on adapting technologies to new uses.

**Regular development** leads to usable results with a high degree of certainty. There is no uncertainty about the outcome.

**only respondents, who have employment  
without self-employed**

A23

**Z215**

**How many employees work in your company/organisation?**

**Kern**

- | In total              | At your location      |                        |
|-----------------------|-----------------------|------------------------|
| <input type="radio"/> | <input type="radio"/> | 1 to 9                 |
| <input type="radio"/> | <input type="radio"/> | 10 to 49               |
| <input type="radio"/> | <input type="radio"/> | 50 to 99               |
| <input type="radio"/> | <input type="radio"/> | 100 to 249             |
| <input type="radio"/> | <input type="radio"/> | 250 to 999             |
| <input type="radio"/> | <input type="radio"/> | 1000 or more employees |

**only respondents, who have employment  
without self-employed**

A24

**ZH21\_34**

**What is the name of the company/organisation at which you are employed?**

**HS**

(This information is of particular interest to prospective and current students and serves as orientation. Your information is, of course, also voluntary here.)

**only respondents, who have employment**

A25

**Z88**

**To what extent are the following skills/competencies required in your current employment?**

**Optional**

To a very  
high  
extent

Not at all

1

2

3

4

5

☐

☐

☐

☐

☐

Ability to gather information of different sources

☐

☐

☐

☐

☐

Ability to recognize interrelations

☐

☐

☐

☐

☐

Ability to gauge relevance of information

☐

☐

☐

☐

☐

Ability to take decisions

☐

☐

☐

☐

☐

Ability to develop problem-solving strategies

☐

☐

☐

☐

☐

Ability to plan and organize

☐

☐

☐

☐

☐

Ability to express myself adequately in speaking

☐

☐

☐

☐

☐

Ability to express myself adequately in writing

☐

☐

☐

☐

☐

Ability to communicate in English

☐

☐

☐

☐

☐

Ability to self-reflect

☐

☐

☐

☐

☐

Ability to handle received criticism

☐

☐

☐

☐

☐

Ability to express criticism constructively

☐

☐

☐

☐

☐

Ability to work in teams

☐

☐

☐

☐

☐

Ability to apply theoretical knowledge practically

☐

☐

☐

☐

☐

Ability to adapt flexibly to new situations

☐

☐

☐

☐

☐

Ability to create new ideas

☐

☐

☐

☐

☐

Ability to work autonomously

☐

☐

☐

☐

☐

Command of your study field or discipline

☐

☐

☐

☐

☐

Ability to think interdisciplinary

☐

☐

☐

☐

☐

Ability to plan and organise projects

☐

☐

☐

☐

☐

Teaching skills

☐

☐

☐

☐

☐

Ability to teach others

☐

☐

☐

☐

☐

Ability to write papers independently and responsibly

☐

☐

☐

☐

☐

Ability to build up and maintain networks of contacts

☐

☐

☐

☐

☐

Ability to lead negotiations and meetings and to moderate discussions

☐

☐

☐

☐

☐

Ability to motivate yourself and cope with stress

☐

☐

☐

☐

☐

Ability to evaluate processes, results and/or persons

## B RELATIONSHIP BETWEEN PHD AND PROFESSION

ZH

KERN

only respondents, who have employment

B1

Z89

When looking at your present professional tasks, to what extent do you use the skills and knowledge acquired during your course of studies and the doctorate?

Kern

To a very  
high  
extent

Not at all

1

☐

2

☐

3

☐

4

☐

5

☐

only respondents, who have employment

B2

ZP42

How would you characterise the relationship between your *field of study* and your current professional duties?

Fach

- ☐ My field of study is the only possible / best field for my professional responsibilities
- ☐ Some other fields of study could also have prepared me for my professional responsibilities
- ☐ Another field of study would have been more helpful to prepare me for my professional responsibilities
- ☐ The chosen field of study does not matter in my field of work

only respondents, who have employment

B3

Z92

Considering all aspects of your employment situation (*status, position, salary, work tasks etc.*) , how appropriate is your current employment to your level of education?

Kern

To a very  
high  
extent

Not at all

1

☐

2

☐

3

☐

4

☐

5

☐

only respondents, who have employment

B4

Z516

Would you say that you are employed according to your higher education qualification?

Kern

Yes,  
definitely

No, not at  
all

1

☐

2

☐

3

☐

4

☐

5

☐

Regarding your professional position

☐☐☐☐☐

Regarding the level of your duties

☐☐☐☐☐

Regarding your professional qualification (field of study)

**only respondents, who have employment**

B5 **How would you characterise the relation between the *subject of your dissertation* and your current professional field of work**

**Z90**

**Kern**

- ☐ My field of study is the only possible/by far the best field for my job tasks
- ☐ Some other fields could prepare for the area of work as well
- ☐ Another field of study would have been more useful
- ☐ The field of study does not matter in my job

**only respondents, who have employment**

B6 **In your opinion, which degree level is most appropriate for your current job?**

**Z91**

**Kern**

- ☐ Doctorate
- ☐ Master (or Diplom, Magister, Staatsexamen)
- ☐ Bachelor
- ☐ No academic degree necessary

**only respondents, who have employment**

B7 **Are you working in a position where...**

**Z517**

**Kern**

- ☐ a university degree is mandatory (e.g. doctor, pharmacist, teacher)?
- ☐ a university degree is the rule?
- ☐ a university degree is not the rule, but an advantage?
- ☐ a university degree is meaningless?

**only respondents, who have employment**

B8 **If you consider your job situation as not very appropriate or not particularly related to your course of studies, why did you take it up?**

**Z93**

**Optional**

Multiple answers possible

- ☐ Not applicable, my job is closely related to my course of studies
- ☐ My current job is only a temporary stepping stone, I am still searching for professional orientation
- ☐ I have not (yet) found an appropriate job
- ☐ I can get a higher income in my current job
- ☐ My current job offers more security
- ☐ My current job corresponds better to my interests
- ☐ My current job offers a flexible time schedule
- ☐ My current job enables me to work at a place which I prefer
- ☐ My current job allows me to take family needs into account
- ☐ Other:

B9

**Z43****In retrospect, how satisfied are you with your doctorate?****Kern**Very  
satisfiedVery  
dissatisfied

1

2

3

4

5



B10

**Z801****In your opinion, to what extent do the following statements apply to your study programme at the Technical University of Darmstadt?****Optional**Fully  
applicableDoes not  
apply at  
all

1

2

3

4

5



In my study programme , I was able to learn in a way that suited my needs



I was able to catch up on content that was required during my study programme at the Technical University of Darmstadt if necessary



The Technical University of Darmstadt provided me with very good opportunities to get help when I was not keeping up in a course



I was able to develop very well at the Technical University of Darmstadt in the fields in which I perform quite highly

**Here you have the possibility to comment on your entries**

B11

**Z44****Looking back, if you were free to choose again would you choose...****Optional**Highly  
probableHighly  
improbable

1

2

3

4

5



... the same advisor?



... the same topic?



... the same subject area?



... the same higher education institution?



... to do a doctorate again?



... (if applicable) to attend a structured doctoral programme again?

B12

**Z110****What within your doctoral studies was particularly helpful and why?****Optional**

B13 What within your doctoral studies was not helpful at all and why?

Z111

Optional

B14 What important changes to the doctoral programme/process do you think should be considered by your university?

Z112

Optional

B15 How often did something happen during your doctoral programme that you felt to be discriminatory?

ZH21\_51

HS

Often  
1  
☐

2  
☐

3  
☐

4  
☐

Never  
5  
☐

No  
response  
6  
☐

Nur befragte, die Diskriminierung empfunden haben

B16 Who has been affected by these incidents?

ZH21\_52

HS

(Multiple answers possible)

- ☐ I have been affected by the discriminatory experience.
- ☐ Another person has been / other people have been affected by the discriminatory experience.

Nur befragte, die Diskriminierung empfunden haben

B17 In what form did you experience discrimination?

ZH21\_67

HS

(You may give more than one answer)

- ☐ Structural barriers (e.g. toilets, entrances, signage in German only)
- ☐ Physical assault
- ☐ Verbal insults/degradation (e.g. jokes, negative remarks)
- ☐ Confrontation with prejudices
- ☐ Lack of recognition of achievements due to prejudice
- ☐ Negative evaluation of achievements due to prejudice
- ☐ Exclusion in the teaching/learning context
- ☐ Exclusion in everyday university life (e.g. cafeteria conversations)
- ☐ Discriminatory image and text material (e.g. posters, flyers and teaching materials)
- ☐ Discrimination in university processes (e.g. wrong form of address, misspelled name)
- ☐ Other, namely:
- ☐ No response

**Nur befragte, die Diskriminierung empfunden haben**

B18

**In which context did the discrimination take place?**

**ZH21\_68**

HS

(You may give more than one answer)

- ☐ Buildings, routes and access to the TU Darmstadt
- ☐ Teaching situation (by lecturers)
- ☐ Teaching situation (by fellow students)
- ☐ Teaching materials
- ☐ Lab work (by lecturers)
- ☐ Lab work (by fellow students)
- ☐ Examination
- ☐ Office hours
- ☐ Organisation/administration
- ☐ Leisure/sports activities at the TU Darmstadt
- ☐ Allocation of student/research assistant positions/internships/scholarships
- ☐ Everyday university life (e.g. cafeteria conversations)
- ☐ Other, namely:
- ☐ No response

**Nur befragte, die Diskriminierung empfunden haben**

B19

**How did you deal with the situation?**

**ZH21\_69**

HS

(You may give more than one answer)

- ☐ I addressed the situation openly/attempted to clarify it.
- ☐ I talked about it with fellow students/friends/relatives.
- ☐ I sought professional help/counselling at the university .
- ☐ I sought professional help/counselling outside of the university.
- ☐ I reported the incident to the police.
- ☐ I ignored the incident.
- ☐ I tried to avoid the situation/person in the future.
- ☐ I blamed myself for the situation.
- ☐ Other, namely:
- ☐ No response.

**C**

**PRIOR TO STUDY PROGRAMME**

**ZA\_pdo**

KERN

First we would like to ask you to fill in information about your education and work experience before you first enrolled at a university.

**C1**  
**Z1** **Where have you gained your higher education entrance qualification before your enrolment?**

Kern

- ☐ In Germany → Please enter the postcode:  If postcode is not known → Please name the place:
- ☐ In another country → Please enter the name of the country:

**C2**  
**Z2** **Which kind of higher education entrance qualification did you have by your first enrolment at a German university?**

Kern

- ☐ General higher education entrance qualification (Allgemeine Hochschulreife, e.g. Abitur, A-levels, baccalauréat or equivalent)
- ☐ Advanced technical college certificate (Fachhochschulreife)
- ☐ Subject-specific entrance qualification (Fachgebundene Hochschulreife )
- ☐ Artistic aptitude test
- ☐ Aptitude test by examination ('Immaturenprüfung')
- ☐ Vocational qualification (e.g. Meister, Fachwirt, state certified business economist or similar)
- ☐ Other:

**C3**  
**Z3** **What was your average grade in the entrance qualification that entitled you to study?**

Kern

Average grade

(convert points to grade if necessary. If you have a foreign higher education entrance qualification, please enter the recognised grade or convert the foreign grade.)

**C4**  
**Z4** **Did you complete any vocational training/apprenticeship prior to your *first* enrolment ?**

Kern

- ☐ Yes, which:
- ☐ No

**only respondents, who attended professional training prior to the study**

**C5**  
**Z5** **To what extent was this vocational training/apprenticeship professionally connected to the content of your course of studies?**

Kern

To a very  
high  
extent

Not at all

1



2



3



4



5



C6 **Apart from attending vocational training, did you acquire any work experience before your *first enrolment* ?**

**Z6**

Kern

Please include both full-time and part-time employment.

- ☐ Yes, approx. month(s):
- ☐ No

C7 **At which higher education institution did you finish your Master degree?**

**ZH21\_47**

HS

- ☐ Technical University of Darmstadt
- ☐ Other higher education institution in Germany → which one?
- ☐ Foreign higher education institution → which country?

C8 **Which final or average grade did you obtain in the course of study preceding your Ph.D.?**

**ZH21\_48**

HS

Please recalculate points to grades if necessary.

Final or average grade

**D COURSE OF STUDY**

**ZB\_pdo**

KERN

**YOUR PhD AT THE TECHNICAL UNIVERSITY OF DARMSTADT  
(completed in the 2021/22 winter semester or in the 2022 summer semester)**

**BB1**

Kern

In the following questions we ask you details about your course of study. Please inform us first about the PhD successfully completed in the 2021/22 winter semester or in the 2022 summer semester at the Technical University of Darmstadt. If you've started, already completed, or withdrawn from other study programmes, please inform us about those on the following pages.

**Bcalendar1** **Please enter the time period of your PhD (completed in the 2021/22 winter semester or in the 2022 summer semester):**

Kern

Beispielepisode 1 1.2017 dauert an

Beispielepisode 2 10.2015 2.2018

D1

**Z10**

**Which final or average grade did you obtain in this doctorate?**

**Kern**

Please recalculate points to grades if necessary.

☐ Does not apply, at my university there is no final or average grade of the doctorate

Final or average grade

☐ Summa cum laude/mit Auszeichnung

☐ Magna cum laude/sehr gut

☐ Cum laude/gut

☐ Satis bene/befriedigend

☐ Rite/ausreichend/bestanden

**Please specify, if necessary (e.g. "with distinction"):**

**only respondents, whose university does not have a final or average grade of the doctorate**

D2

**ZP45**

**What grade did you obtain for the written work for your PhD (dissertation or similar)?**

**Fach**

Please convert points to grades if necessary.

Written work grade

☐ Summa cum laude / with distinction

☐ Magna cum laude / very good

☐ Cum laude / good

☐ Satis bene / satisfactory

☐ Rite / sufficient / pass

**Please specify, if necessary (e.g. 'with distinction'):**

only respondents, whose university does not have a final or average grade of the doctorate

D3

**ZP43**

**Which grade did you obtain for the oral examination of the PhD (thesis defence or similar)?**

**Fach**

Please convert points to grades if necessary.

Oral examination grade

- ☐ Summa cum laude / with distinction
- ☐ Magna cum laude / very good
- ☐ Cum laude / good
- ☐ Satis bene / satisfactory
- ☐ Rite / sufficient / pass

Please specify, if necessary (e.g. 'with distinction'):

**E**

## **CONDITIONS OF THE PHD**

**ZD\_pdo**

**KERN**

The following questions refer to the PhD you completed in the 2021/22 winter semester or in the 2022 summer semester at the Technical University of Darmstadt.

E1

**ZP35**

**How would you rate the following advisory and guidance elements in your PhD field of study?**

**Fachoptional**

Very  
good

1

2

3

4

Very bad

5

Did not  
exist

6

☐

☐

☐

☐

☐

☐

Subject-related advice and mentoring by lecturers

☐

☐

☐

☐

☐

☐

Discussion of partial submissions of the dissertation, essays, presentation manuscripts, etc.

☐

☐

☐

☐

☐

☐

Individual career advice in your department

☐

☐

☐

☐

☐

☐

Individual study advice in your department

☐

☐

☐

☐

☐

☐

Support in finding a job

E2  
ZP17

How would you evaluate the following support options in your PhD field of study?

Fachoptional

Very good					Very bad	Not available	Not used	
1	2	3	4	5	6	7		
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		Courses on good academic practice
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		Training in higher education didactics
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		Opportunities to acquire practical teaching experience
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		Preparation for dealing with foreign-language literature
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		Preparation for specialised foreign-language communication
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		Courses for acquisition of communication skills
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		Courses for acquisition of further key competencies
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		Options for third-party funding / applications
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		Information about legal questions around research
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		Career planning options
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		Career-oriented events
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		Support in finding appropriate internships
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		Child care availability

E3  
ZH21\_35

Ingenium-Young Researchers at the TU Darmstadt is an umbrella organisation which supports early career academics at TU Darmstadt. Are you aware of Ingenium and the services which it offers (e.g professional training programmes, networking offers)?

HS

- ☐ I have not heard of them
- ☐ I have heard of them, but have not used their services
- ☐ I have heard of them and have used their services

Only graduates, who knew about Ingenium, but nevertheless took not part in it

E4  
ZH21\_38

Why did you not take part in the Ingenium programme?

HS

- ☐ No time
- ☐ No interest
- ☐ The offers were not suitable for me
- ☐ Other reasons:

Only graduates, who knew took part in Ingenium

E5  
ZH21\_39

How satisfied were you with the offers of Ingenium?

HS

- ☐ Offers corresponded to my needs
- ☐ Offers did not correspond to my needs
- ☐ I would have wished the following offers:

E6

ZH21\_33

**How do you rate the following central services at Technical University of Darmstadt? (Please rate only the services that you have used.)**

HS

Very good

Very bad

1

2

3

4

5



Department VIII - International Affairs



Job fair at Technical University of Darmstadt (konaktiva)



Alumni management



University Sports Centre (USZ)



Language Resource Centre (SPZ)



Center for Educational Development and Technology (HDA)

F

ZC\_pdo

## ADMISSION TO AND PROGRESSION OF THE PHD

KERN

In the following segment we would like to know more about how you gained admission to the PhD and how it progressed. If you acquired more than one PhD, please relate your answers to the last completed PhD (in the 2021/22 winter semester or in the 2022 summer semester) at the Technical University of Darmstadt.

F1

ZP4

### How did you gain access to the PhD?

Fach

You may give more than one answer



I contacted an advisor(s) directly on my own initiative



I was approached by an advisor regarding a PhD



I was recommended by another professor / another person



I applied in response to an advertisement/announcement



Other:

F2

ZP5

### How did you get in contact with your advisor?

Fachoptional

You may give more than one answer



I knew him/her from my courses and exams



He/she was my advisor for the thesis in my undergraduate study programme



I worked for him/her as a student assistant



The advisor was already my supervisor (e.g. project leader, tenured professor)



He/she was recommended to me by other PhD candidates



He/she was recommended to me by other professors



I did not know him/her personally but asked for his/her help with my PhD



I was not allowed to choose my advisor. He/she was assigned to me



Other:

F3

**ZH21\_36****Why did you choose TU Darmstadt for your PhD Programme?****HS**

Multiple answers possible

- ☐ Good reputation of the TU Darmstadt
- ☐ Good reputation of professors at the TU Darmstadt
- ☐ Personal links with Professors
- ☐ Links with industry
- ☐ Good research facilities
- ☐ Attractive job offer
- ☐ I knew TU Darmstadt already from studying there
- ☐ Private focus of life in the region
- ☐ PhD in the desired research field
- ☐ It turned out that way rather by chance
- ☐ Other, namely:

F4

**ZP6****When did you hand in your dissertation for assessment?****Fach**

Month dissertation submitted for assessment

Year dissertation submitted for assessment

F5

**ZP7****When did you receive the final assessment?****Fach**

Month final assessment received

Year final assessment received

F6

**Z14****When was your last oral exam (viva voce / thesis defence)?****Fach**

Month of final oral exam for PhD

Year of final oral exam for PhD

F7 Looking back to the time of your PhD, how did you mainly finance it?

ZP8

Fach

- ☐ Paid work at an HEI / research institute
- ☐ Paid work outside of an HEI / research institute
- ☐ Self-employed/freelance work
- ☐ Scholarship
- ☐ External/family financial support (e.g. parents, spouse, etc.)
- ☐ Other:

only respondents, whose main source of finance during the doctorate was not a scholarship  
only respondents, whose main source of finance during the doctorate was employment

F8 Did this employment have any relationship to your PhD?

Z16P

Fach

To a very  
high  
extent

Not at all

1

2

3

4

5



only respondents, whose main source of finance during the doctorate was not a scholarship

F9 Did you receive a scholarship for your PhD?

Z17P

Fach

- ☐ Yes
- ☐ No

F10 Did you participate in a structured PhD programme (e.g. postgraduate programme, graduate school, PhD programme)?

Z18P

Fach

- ☐ Yes
- ☐ No

F11 Did your dissertation take you longer than you initially planned?

ZP13

Fach

- ☐ Yes
- ☐ No

only respondents, whose dissertation took longer than initially planned

F12 How many months did your dissertation take you longer than you initially planned?

ZH21\_50

HS

months

only respondents, whose dissertation took longer than initially planned

F13

**ZP14**

**What were the reasons for extending the duration of your dissertation?**

Fach

You may give more than one answer

- ☐ Other degrees (internship/Referendariat, state exam, other study programme, further education)
- ☐ Career entry, start of employment
- ☐ Work load of professional activities at the HEI / research institution
- ☐ Work load of professional activities outside the HEI / research institution
- ☐ Work load from activities other than dissertation (e.g. teaching, research, administration/organisation)
- ☐ Involvement in other research projects
- ☐ Topic turned out to be not realisable
- ☐ Doubts about my suitability for this topic
- ☐ Lack of interest in the topic
- ☐ Insufficient guidance
- ☐ Personal or other problems with supervisor
- ☐ Uncertainty about continued employment at the HEI / research institution
- ☐ Financial reasons
- ☐ Health reasons
- ☐ Parenting/pregnancy
- ☐ Other personal/family-related issues
- ☐ Other reasons, specifically:

F14

**ZP33**

**Did work on the dissertation clash with other commitments?**

Fach

- ☐ Yes, considerably
- ☐ Yes, a little
- ☐ No, almost not at all
- ☐ No, not at all

F15

**ZP34**

**To what extent did the following commitments clash with your dissertation?**

Fachoptional

To a very  
high  
extent

Not at all

1

2

3

4

5

☐

☐

☐

☐

☐

Professional commitments (e.g. teaching commitment)

☐

☐

☐

☐

☐

Family commitments

☐

☐

☐

☐

☐

Other:

F16 Which of the following statements apply to you?

ZP15

Fach

- ☐ I never interrupted my PhD and never considered withdrawing
- ☐ I seriously considered withdrawing from the PhD, but did not do so
- ☐ I interrupted my work on the PhD for 6 months or less
- ☐ I interrupted my work on the PhD for more than 6 months

only respondents, who considered doing so

F17 For what reasons have you seriously considered withdrawing from the PhD?

ZH21\_71

HS

only respondents, who interrupted their doctorate or considered doing so

F18 What were the reasons for the (possible) interruption of your PhD?

ZP16

Fach

You may give more than one answer

- ☐ Other degrees (internship/Referendariat, state exam, other study programme, further education)
- ☐ Career entry, start of employment
- ☐ Work load of professional activities at the HEI / research institution
- ☐ Work load of professional activities outside the HEI / research institution
- ☐ Work load from activities other than dissertation (e.g. teaching, research, administration/organisation)
- ☐ Involvement in other research projects
- ☐ Topic turned out to be not realisable
- ☐ Doubts about my suitability for this topic
- ☐ Lack of interest in the topic
- ☐ Insufficient guidance
- ☐ Personal or other problems with supervisor
- ☐ Uncertainty about continued employment at the HEI / research institution
- ☐ Financial reasons
- ☐ Health reasons
- ☐ Parenting/pregnancy
- ☐ Other personal/family-related issues
- ☐ Other reasons, specifically:

F19 Did you spend time in foreign countries (outside of Germany) during your doctorate?

Z36

Kern

- ☐ Yes
- ☐ No

**only respondents, who spent some time abroad during their study**

F20

**Z38H**

**Please specify the episodes of your stay abroad**

**Kern**

You may give more than one answer

**Stay abroad**

Please select

Purpose of stay abroad

In which country did you stay?

From

To

Was this stay abroad a compulsory stay?

☐ Yes

☐ No

Was your stay abroad recognised as part of your study programme in Germany, e.g. in the form of ECTS points?

☐ Yes

☐ Partly

☐ No

Was it your aim to have the achievements recognised?

☐ Yes

☐ No

[Neue Zeile einfügen](#) (maximal 5)

**only respondents, who spent some time abroad during their study**

F21

**Z39**

**Was your stay abroad supported by a particular funding programme?**

**Optional**

☐ Yes

☐ No

only respondents, who spent some time abroad during their study  
only respondents, whose stay abroad was supported by a particular funding programme

F22

Z40

### Which programmes supported your stay abroad?

Optional

Multiple answers possible

#### German funding programme

- ☐ DAAD scholarship
- ☐ Pädagogischer Austauschdienst (PAD)/COMENIUS
- ☐ Scholarship by a German university
- ☐ Other funding programme in Germany

#### Foreign/international funding programme

- ☐ Socrates/Erasmus/Erasmus+
- ☐ Leonardo Da Vinci scholarship
- ☐ Scholarship provided by the hosting university (abroad)
- ☐ Other foreign funding programme
- ☐ Other:

F23

Z41

### To what extent do the following statements apply to your doctorate?

Kern

To a very  
high  
extent

Not at all

1

2

3

4

5



My doctorate was not as important to me as other aspects of my life.



I always did more for my doctorate than expected from me.



I focused on the aspects of my doctorate which interested me the most.



I planned my doctorate in accordance with the demands of the job market.

G

ZE

### YOUR SITUATION AFTER COMPLETING PHD

OPTIONAL

The following section refers to your situation after completing your PhD in the 2021/22 winter semester or in the 2022 summer semester.

G1  
Z42

To what extent did you possess the following skills/competencies upon finishing your doctoral degree?

Optional

To a very  
high  
extent

Not at all

1

2

3

4

5

☐
☐
☐
☐
☐

Ability to gather information of different sources

☐
☐
☐
☐
☐

Ability to recognize interrelations

☐
☐
☐
☐
☐

Ability to gauge relevance of information

☐
☐
☐
☐
☐

Ability to take decisions

☐
☐
☐
☐
☐

Ability to develop problem-solving strategies

☐
☐
☐
☐
☐

Ability to plan and organize

☐
☐
☐
☐
☐

Ability to express myself adequately in speaking

☐
☐
☐
☐
☐

Ability to express myself adequately in writing

☐
☐
☐
☐
☐

Ability to communicate in English

☐
☐
☐
☐
☐

Ability to self-reflect

☐
☐
☐
☐
☐

Ability to handle received criticism

☐
☐
☐
☐
☐

Ability to express criticism constructively

☐
☐
☐
☐
☐

Ability to work in teams

☐
☐
☐
☐
☐

Ability to apply theoretical knowledge practically

☐
☐
☐
☐
☐

Ability to adapt flexibly to new situations

☐
☐
☐
☐
☐

Ability to create new ideas

☐
☐
☐
☐
☐

Ability to work autonomously

☐
☐
☐
☐
☐

Command of your study field or discipline

☐
☐
☐
☐
☐

Ability to think interdisciplinary

☐
☐
☐
☐
☐

Ability to plan and organise projects

☐
☐
☐
☐
☐

Teaching skills

☐
☐
☐
☐
☐

Ability to teach others

☐
☐
☐
☐
☐

Ability to write papers independently and responsibly

☐
☐
☐
☐
☐

Ability to build up and maintain networks of contacts

☐
☐
☐
☐
☐

Ability to lead negotiations and meetings and to moderate discussions

☐
☐
☐
☐
☐

Ability to motivate yourself and cope with stress

☐
☐
☐
☐
☐

Ability to evaluate processes, results and/or persons

G2  
ZP31

Since your PhD graduation, how much time have you spent outside of Germany either professionally or for vocational training?

Fach

Month(s)

G3  
**Z97**

**Since the completion of your doctorate did you ...**

Optional

Multiple answers possible

- ☐ ...studied outside Germany?
- ☐ ...done an internship outside Germany?
- ☐ ...searched for an employment outside Germany?
- ☐ ...worked outside Germany?
- ☐ ...been sent on work assignments outside Germany by your employer?
- ☐ None of these

H  
**ZF**

KERN

The following section refers to the period of searching for employment directly after your PhD in the 2021/22 winter semester or in the 2022 summer semester (exclude temporary, non-study-related jobs, but include paid vocational training like internships, residencies, specialist training, etc., also in an employment relationship).

H1  
**Z296**

**Have you been searching for a job after finishing your PhD?**

Kern

Multiple answers possible

- ☐ Yes
- ☐ No, I continued my already existing occupation after my PhD, which was not related to my PhD
- ☐ No, I continued my already existing occupation after my PhD, which was related to my PhD
- ☐ No, I found a job without searching
- ☐ No, I became self-employed/a freelancer
- ☐ No, I took parental leave
- ☐ No, other reasons:

**only respondents, who have searched for a job**

H2  
**ZP18**

**Which career path did you intend to pursue directly after your PhD?**

Fach

- ☐ Academic career (e.g. university, independent research institute, university hospital)
- ☐ Non-academic career (e.g. industry, administration, self-employment)
- ☐ I wanted to keep my options open for academic and non-academic careers
- ☐ I had not yet dealt with this question
- ☐ Other plans:

**only respondents, who have searched for a job**

H3 **When did you start searching for a job?**  
**Z52**

Kern

Please exclude temporary non study related jobbing.

- ☐ During the doctorate
- ☐ Around the time I was finishing the doctorate
- ☐ After finishing the doctorate

**only respondents, who have searched for a job**

H4 **How many employers did you approximately contact? (applications etc.)**  
**Z55**

Optional

Number of contacted employers

**only respondents, who have searched for a job**

H5 **How did you search for employment after you finished the doctorate?**  
**Z53**

Kern

Multiple answers possible

- ☐ Replied to job ads/announcements (e.g. newspaper, internet, notice)
- ☐ Unsolicited application - I contacted employers without knowing about a vacancy
- ☐ Job fair
- ☐ Application for teaching traineeship
- ☐ Through the public employment agency
- ☐ Through internet (social) networks (e.g. XING, LinkedIn)
- ☐ Through private job agencies
- ☐ Through the career service/career center
- ☐ Through other job search assistance at the university (excluding career service/career center)
- ☐ Through already existing personal contacts
- ☐ Other:

**only respondents, who have searched for a job**

H6 **How many months in total did you search for your first job? If you have not found a job yet, how many months did you search so far?**  
**Z56**

Kern

Please exclude temporary non study related jobbing.

Month(s) searching for first job

**only respondents, who have searched for a job**

H7

**Z54**

**Which strategy led to your first employment after the doctorate?**

**Kern**

- ☐ Replied to job ads/announcements (e.g. newspaper, Internet, notice)
- ☐ Unsolicited application - I contacted employers without knowing about a vacancy
- ☐ Job fair
- ☐ Application for teaching traineeship
- ☐ Through the public employment agency
- ☐ Through Internet (social) networks (e.g. XING, LinkedIn)
- ☐ Through private job agencies
- ☐ Through instruments of the career service/career center
- ☐ Through services of the university (without career service/career center)
- ☐ Through already existing personal contacts
- ☐ Not applicable, I have not found an employment yet
- ☐ Other

**only respondents who found or continued employment after graduation or continued**

H8

**Z300**

**Do you still have this job?**

**Kern**

- ☐ Yes
- ☐ No

**I**

**SATISFACTION WITH THE JOB**

**ZY4\_pdo**

**KERN**

In the following, we would like to find out which professional goals you have been able to achieve so far.

I1  
Z98

How important are the following occupational aspects for you in general?

Kern

Very important					Not at all important	
1	2	3	4	5		
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Largely independent nature of the work	
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Opportunity to undertake scientific/scholarly work	
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Clear and well-ordered work tasks	
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Opportunity to use your acquired knowledge and skills	
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Job security	
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Social recognition and status	
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Opportunity to realise your own ideas	
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Pleasant working climate	
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Opportunity to pursue continuous learning	
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	High income	
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Chances of social influence	
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	To have a challenging job	
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Good career prospects	
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	A co-ordinating and managerial role	
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Opportunity to do something useful for society	
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Opportunity to combine the demands of work with those of your family	
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Sufficient time for leisure activities	
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Interesting work contents	
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	To enhance your career	
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	To exercise a profession, which is generally comparable to the profession of your parents (i.e., a profession for which a similarly high level of educational attainment is necessary)	
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Possibility of self-fulfilment	
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Flexible work schedule	

only respondents, who have employment

I2  
Z99

To what extent do the following aspects apply to your current job situation?

Kern

To a very  
high  
extent

Not at all

1

2

3

4

5



Largely independent nature of the work



Opportunity to undertake scientific/scholarly work



Clear and well-ordered work tasks



Opportunity to use your acquired knowledge and skills



Job security



Social recognition and status



Opportunity to realise own ideas



Pleasant working climate



Opportunity to pursue continuous learning



High income



Chances of social influence



To have a challenging job



Good career prospects



A co-ordinating and managerial role



Opportunity to do something useful for society



Opportunity to combine the demands of work with those of your family



Sufficient time for leisure activities



Interesting work contents



To enhance your career



To exercise a profession, which is generally comparable to the profession of my parents (i.e., a profession for which a similarly high level of educational attainment is necessary)



Possibility of self-fulfilment



Flexible work schedule

I3  
Z100

Even though you don't have a regular job at the moment, how satisfied are you overall with your current job situation? (Gefilterter Fragetext)  
How satisfied are you overall with your current job situation? (Gefilterter Fragetext)

Kern

Very  
satisfied

Very  
dissatisfied

1

2

3

4

5



kein Unternehmen gegrundet

I4

In principle, can you envisage starting your own business?

ZH21\_64

HS

To a very  
high  
extent

Not at all

1

☐

2

☐

3

☐

4

☐

5

☐

I5

How important do you personally rate the transfer of entrepreneurial competencies in your doctoral programme?

ZH21\_65

HS

Very  
important

Not  
important  
at all

1

☐

2

☐

3

☐

4

☐

5

☐

only respondents, who have employment

only respondents, whose first employment after graduation corresponds to the (current) employment at the time of the survey

### CHANGE IN EMPLOYMENT

ZY5\_pdo

KERN

In the following we would like to know if there have been any changes in your employment so far.

only respondents, who have employment

only respondents, whose first employment after graduation corresponds to the (current) employment at the time of the survey

I6

Since you started your current job, have there been changes to the specified job characteristics?

Z148

Kern

If you started your current job before your graduation in the 2021/22 winter semester or in the 2022 summer semester, please refer to changes occurring after your graduation. You may give more than one answer

- ☐ Yes, the position has changed (e.g. receiving civil-servant status, addition of managerial functions)
- ☐ Yes, the type of contract has changed (e.g. receiving an unlimited contract)
- ☐ Yes, the contractual weekly hours of work have changed
- ☐ Yes, the actual weekly hours of work have changed
- ☐ Yes, the gross monthly income has changed
- ☐ Yes, the job title has changed
- ☐ Yes, the main activity has changed
- ☐ No, none of the above characteristics have changed

only respondents, whose employment has changed since its start

You stated that in the course of your current job, changes have occurred. Please refer to the situation at the start of your current employment. If you started your current employment before your graduation in the 2021/22 winter semester or in the 2022 summer semester, please refer to the situation immediately after graduation.

only respondents, whose first employment after graduation does not correspond to the (current) employment at the time of the survey

## THE FIRST JOB AFTER GRADUATION

ZY9\_pdo

KERN

You have indicated that you are no longer in your first employment. Please now provide information about your first employment.

only respondents, whose job position has changed since the start of the current employment

I7 What was your position in your job?

Z149

Kern

- ☐ Employee (Gefiltertes Item)
- ☐ Public servant (Gefiltertes Item)
- ☐ Worker (Gefiltertes Item)
- ☐ Research assistant (Gefiltertes Item)
- ☐ Student trainee (Gefiltertes Item)
- ☐ Self-employed in academic professions (Gefiltertes Item)
- ☐ Self-employed in trade, industry, services, etc. (Gefiltertes Item)
- ☐ Legal clerkship/trainee teacher (Gefiltertes Item)
- ☐ Induction year (Gefiltertes Item)
- ☐ Voluntary (Gefiltertes Item)
- ☐ Trainee (Gefiltertes Item)
- ☐ Vocational training/apprenticeship (Gefiltertes Item)
- ☐ Other:  (Gefiltertes Item)

only respondents, whose job position has changed since the start of the current employment  
only public servants

I8 What kind of public servant were you?

Z503

Kern

- ☐ Low-level public servant
- ☐ Mid-level public servant
- ☐ Executive-level public servant
- ☐ High-level public servant

only respondents, whose job position has changed since the start of the current employment  
only employees

I9 I was an employee...

Z504

Kern

- ☐ performing duties according to general instructions (e.g. salesperson, typist)
- ☐ performing a qualified activity according to instructions (e.g. clerk)
- ☐ performing independent tasks in self-directed work (e.g. scientist, doctor, engineer, social worker, teacher, department manager, procurator)
- ☐ with comprehensive management tasks and decision-making powers (e.g. director, executive director, executive board of larger companies and associations)

**only respondents, whose job position has changed since the start of the current employment  
only employees**

I10 **As a self-employed person I had...**  
**Z530**

Kern

- ☐ no further employees
- ☐ 1 additional employee
- ☐ 2-4 additional employees
- ☐ 5-9 additional employees
- ☐ more than 10 additional employees

**only respondents, whose type of contract has changed since the start of the current employment**

I11 **Did you have a fixed-term or unlimited contract?**  
**Z150**

Kern

- ☐ Unlimited term
- ☐ Fixed term

**only respondents, whose working hours have changed since the start of the current employment**

I12 **How many hours per week do you work on average?**  
**Z151**

Kern

- Contracted weekly hours of work
- Actual weekly hours of work

**only respondents, whose gross monthly income has changed since the start of the current employment**

I13 **What was your current gross monthly income (incl. special payments and overtime)? (Gefilterter Fragetext)**  
**Z152** **Please estimate your monthly profit taxes excluded. (Gefilterter Fragetext)**

Kern

[Antwortoptionen auf- / zuklappen](#)

**only respondents, whose first employment after graduation does not correspond to the (current) employment at the time of the survey**

I14 **Where were you employed?**  
**Z66**

Kern

- ☐ In Germany → Please enter the postcode:   
If postcode is not known → Please name the place:
- ☐ In another country → Please enter the name of the country:

**K PERSONAL DETAILS**  
**ZL**

KERN

The following section asks for just a few brief personal details.

K1

**What is your gender?****Z101**

Kern

- ☐ Male
- ☐ Female
- ☐ Diverse

K2

**What year were you born?****Z102**

Kern

 Year of birth

K3

**In which country were you born?****Z171**

Kern

- ☐ In Germany
- ☐ In another country:

K4

**Where do you currently live?****Z103**

Kern

- ☐ In Germany → Please enter the postcode:
- If postcode is not known → Please name the place:
- ☐ Other country → Please state the name of the country:

K5

**Did you acquire your higher education entrance qualification at a Studienkolleg?****Z540**

Optional

- ☐ Yes
- ☐ No

K6

**In which country were your parents born?****Z104**

Kern

- | Parent 1 (e.g. father) | Parent 2 (e.g. mother) |
|------------------------|------------------------|
| <input type="radio"/>  | <input type="radio"/>  |
| <input type="radio"/>  | <input type="radio"/>  |

K7

**Which citizenship do you have?****Z105**

Kern

You may give more than one answer

- ☐ German citizenship
- ☐ Other citizenship:

K8

**Z107****Did/do you have children living in your household?****Kern**
☐ Yes → how many?  Child(ren)

☐ No
**only respondents, who have children living in the household**

K9

**Z127****When were your children born?****Kern**

Month

Year

Month and year of first child's birth

Month and year of second child's birth

Month and year of third child's birth

Month and year of fourth child's birth

Month and year of fifth child's birth

Month and year of sixth child's birth

Month and year of seventh child's birth

Month and year of eighth child's birth

Month and year of ninth child's birth

Month and year of tenth child's birth

Month and year of eleventh child's birth

Month and year of twelfth child's birth

K10

**Z108****What is the highest level of your parents' education?****Kern**

Parent 1

Parent 2

1 (e.g. father)

2 (e.g. mother)

☐☐

Vocational training/apprenticeship

☐☐

Degree at a technical or commercial college

☐☐

Master's certificate or state certified technician

☐☐

Degree at a professional college (GDR)

☐☐

Degree at an university of applied science

☐☐

Degree at an engineering college or commercial academy

☐☐

Degree at an art or music college

☐☐

University degree

☐☐

Doctorate

☐☐

Habilitation

☐☐

No professional training

☐☐

Unknown

☐☐

Other:

K11

**Z156****Did you have a type of disability/chronic illness?****Kern**

Multiple answers possible

- ☐ Impairment of mobility
- ☐ Impairment of sight/blindness
- ☐ Impairment of hearing/deafness
- ☐ Impairment of speaking
- ☐ Psychological impairment/illness (e.g. psychosis, depression, eating disorder, addiction)
- ☐ Chronic somatic illness (e.g. asthma, gastro-intestinal disease, diabetes, rheumatism, multiple sclerosis)
- ☐ Specific developmental disorder (e.g. dyslexia, dyscalculia)
- ☐ Other impairment/illness:
- ☐ I did not have any kind of disability/chronic illness.

**only respondents, who have a disability/chronic illness**

K12

**Z157****In how far did your disability/chronic disease impair you during your doctoral studies?****Optional**To a very  
high  
extent

Not at all

1



2



3



4



5

**only respondents, who have a disability/chronic illness**

K13

**Z159****In which areas linked to your chronic illness or disability do you see need for improvement?****Optional**

Multiple answers possible

- ☐ Barrier-free facilities at the university (including outdoor areas)
- ☐ Barrier-free offers of information of the university (z. B. website, flyer)
- ☐ Barrier-free courses
- ☐ Counseling for students with disabilities/ chronic illnesses with regard to social concerns
- ☐ Support for students with disabilities/ chronic illnesses with regard to social concerns
- ☐ Counseling for students with disabilities/ chronic illnesses to apply for compensation of disadvantages (Nachteilsausgleichsregelungen) for studying and exams
- ☐ Support for students with disabilities/ chronic illnesses to apply for compensation of disadvantages (Nachteilsausgleichsregelungen) for studying and exams
- ☐ Information about offers to support students with disabilities/ chronic illnesses of the university
- ☐ Provision of technical aid for students with disabilities/ chronic illnesses by the university
- ☐ Implementation of compensation of disadvantages (Nachteilsausgleiche) for students with disabilities/ chronic illnesses for studying and exams
- ☐ Supporting networking with other students with disabilities/ chronic illnesses
- ☐ Other:
- ☐ No need for improvement

K14

Z129

How would you rate the following aspects of this questionnaire?

Optional

Very good

Very bad

1

2

3

4

5



Understandable phrasing



Length of the questionnaire



Clarity of the questionnaire



Relevance to your field of study



Relevance to your field of work after study



Relevance of questions to adapt study offerings to professional requirements

K15

ZH21\_37

Other comments (e.g. regarding your study in general, regarding the questionnaire)

HS

L

CONTACT WITH THE TECHNICAL UNIVERSITY OF DARMSTADT

ZO

OPTIONAL

Finally please indicate what kind of contact you would like to have with the Technical University of Darmstadt or faculty/department/institute.

M

ZBS22

**AS PART OF THE COOPERATION PROJECT GRADUATE STUDIES (KOAB), AN ANNUAL SURVEY SPOTLIGHT IS CONDUCTED. THIS SHORT SURVEY SPOTLIGHT CONSISTS OF A FEW QUESTIONS AND IS DEVELOPED BY SCIENTISTS WHO CONTRIBUTE TO THE KOAB PROJECT WITH THEIR TOPICS. THE DATA WILL BE MADE AVAILABLE TO THE RESEARCHERS. THE SCIENTISTS THEN USE THE DATA COLLECTED TO WRITE ARTICLES FOR OPEN-ACCESS JOURNALS. IT GOES WITHOUT SAYING THAT WE COMPLY WITH ALL DATA PROTECTION REGULATIONS. THIS YEAR, PERSON(EN) OF THE INSTITUTION WILL BE RESPONSIBLE FOR THE SURVEY SPOTLIGHT. BELOW YOU WILL FIND THE CORRESPONDING QUESTIONS THAT WERE ASKED BY THE RESEARCHERS.**

OPTIONAL

M1  
Z429

Do you see the following aspects of the digitalisation of our working world more as positive or as negative developments?

Kern

Very positive 1	2	3	4	Very negative 5	I couldn't say 6	
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Flexible work hours
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Reduction of routine tasks
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Increased communication speed
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Implementation of artificial intelligence
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Increased transparency of achievements at work
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Higher degree of interconnectivity of all sub-processes in operations and in the workplace
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Universal availability of information
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Constant availability outside the office through mobile devices (email, mobile phone, etc.)
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Flexible work location (e.g. home office)

M2  
Z430

Generally I see the digitalisation process for me as...

Kern

an opportunity 1	2	3	4	a threat 5
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

M3  
Z533

How strongly did you feel supported in your studies concerning the acquisition of these competences?

Kern

strongly supported 1	2	neither nor 3	4	not at all supported 5	I am unable to assess 6	
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<b>Acquisition of competences for digital communication and collaboration</b> (sharing data and information with others, co-creating digital content with appropriate technologies)
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<b>Acquisition of competences for managing digital information and data</b> (organizing, storing, and retrieving digital data and information; analysing, interpreting, and critically evaluating digital systems, technologies (e.g., algorithms, AI), and content)
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<b>Acquisition of competences for protecting personally identifiable data and privacy in digital environments</b> (knowledge about security measures for protecting devices, content, personal data, and privacy)
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<b>Acquisition of competences for digital content creation</b> (creating and editing digital content in different formats like, e.g., digital presentations, videos, images, websites, in accordance with legal terms and conditions)
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<b>Acquisition of competences for problem solving in digital environments</b> (identifying and solving technical problems when operating digital devices and tools; using digital tools and technologies to create knowledge, and to innovate processes and products)

M4  
Z534

To what extent do you think this digital competence area to be relevant for your (future) employment?

Kern

highly relevant  
1 2 3 4 5 6  
neither nor  
not at all relevant I am unable to assess



**Acquisition of competences for digital communication and collaboration** (sharing data and information with others, co-creating digital content with appropriate technologies)



**Acquisition of competences for managing digital information and data** (organizing, storing, and retrieving digital data and information; analysing, interpreting, and critically evaluating digital systems, technologies (e.g., algorithms, AI), and content)



**Acquisition of competences for protecting personally identifiable data and privacy in digital environments** (knowledge about security measures for protecting devices, content, personal data, and privacy)



**Acquisition of competences for digital content creation** (creating and editing digital content in different formats like, e.g., digital presentations, videos, images, websites, in accordance with legal terms and conditions)



**Acquisition of competences for problem solving in digital environments** (identifying and solving technical problems when operating digital devices and tools; using digital tools and technologies to create knowledge, and to innovate processes and products)

## 0 SERVER FORWARDING

ZZ

KERN

As we would like to ask you for your email address in order to invite you to a follow-up survey in a few years and such data must be stored separately from survey data for data protection reasons, you will now be forwarded to another server.