

## Time-use in higher education in 2021

According to Statistics Sweden's register on staff at universities and institutes of higher education, you were employed by a university/institute of higher education in October 2021 at the position specified below. The question in the form also apply to you who stayed in Sweden temporarily, for example, as a visiting scholar, visiting researcher or visiting lecturer and had your home university in a country other than Sweden. The questions should only be answered for the specified position, even if you had several employments in 2021.

[Name of institution]

[ Professional title]

### 1. Were you on sick leave, parental leave or leave of absence *on full-time* for the *whole* year 2021?

Yes, I was on sick leave, parental leave or leave of absence on **full-time** for the **whole** year 2021

No

[Name of institution]

[ Professional title]

Estimate **the average** number of hours worked during a working week. Calculate this by dividing the estimated total number of hours worked in 2021 by the number of weeks worked, regardless of whether you worked full time, part time or only a limited period of the year. Remember **to answer the question only with regard to the specified position.**

**Include...**

- Regular working hours and overtime including:
  - participating in education/courses within your own doctoral education,
  - trips outside of Sweden that is related to the specified position (research, teaching or studying),
  - administrative assignments, within the scope of the specified position, such as head of department, director of studies, etc.,
  - positions of expertise within the scope of the specified position. (Representative on the faculty council, specialised agencies or other decision-making or planning bodies. Member of, for example, a library board of directors, committees, etc.).

**Do not include...**

- Sick leave
- Parental leave
- Leave of absence
- Vacation

**2. Approximately how many hours did you work during an average working week at the university/institute of higher education in 2021?**

Number of hours

[Name of institution]

[ Professional title]

Here, a distribution of your working hours regarding the specified position is requested for the following activities:

**Research and development activities (R&D), including direct support activities**

In addition to work on research and development, R&D activities also include:

- The part of postgraduate education that relates to research, for example your own dissertation work.
- Supervision of dissertation work.
- Direct support activities for R&D, such as
  - planning and monitoring R&D activities
  - accounting, human resources and administration directly relating to R&D activities
  - legal advice and patent information directly related to R&D activities
  - developing, maintaining and repairing machinery, instruments and other equipment used for R&D activities.

**Applying for funding for research and development activities (R&D), including direct support activities**

Working with applications for funding of R&D activities or giving direct support to such activities.

**Teaching at bachelor's, master's and doctoral level, including direct support, such as:**

- teaching at first, second and third cycle level
- direct support for teaching and preparations for teaching
- planning for teaching/lectures
- seminar activities.

**Participation in education/courses within your own doctoral education**

Education/courses within one's own doctoral education, in addition to dissertation work.

**Administration not directly related to research and development or teaching**

Administrative work of a general character, within the scope of the specified position, that is not directly related to R&D or teaching. Administrative assignments such as head of department, director of studies, etc. are also included here.

**Positions of expertise within the scope of the specified position**

Representative on the faculty council, specialised agencies or other decision-making or planning bodies. Member of, for example, a library board of directors, committees, etc. are also included.

**Other activities within the scope of the specified position**

Other activities consist of all activities other than those mentioned above, performed within the specified position.

**3. State the share of working time spent on the following activities during your average working week in 2021.**

The sum of the activities must be 100 percent, regardless of how many hours you worked during an average week. If you have not spent time on the activity, then write 0.

	Percent, in numbers				
Research and development (R&D) activities, including direct support	<input type="text"/>	<input type="text"/>	<input type="text"/>	%	
Applying for funding for R&D activities, including direct support	<input type="text"/>	<input type="text"/>	<input type="text"/>	%	
Teaching at bachelor's level and master's level, including direct support	<input type="text"/>	<input type="text"/>	<input type="text"/>	%	
Teaching at doctoral level, including direct support	<input type="text"/>	<input type="text"/>	<input type="text"/>	%	
Participation in education/courses within your own doctoral education	<input type="text"/>	<input type="text"/>	<input type="text"/>	%	
Administration not directly related to research and development or teaching	<input type="text"/>	<input type="text"/>	<input type="text"/>	%	
Expert or advisory tasks within the scope of the specified position	<input type="text"/>	<input type="text"/>	<input type="text"/>	%	
Other activities within the scope of the specified position	<input type="text"/>	<input type="text"/>	<input type="text"/>	%	
	=	<input type="text"/>	<input type="text"/>	<input type="text"/>	<b>100 %</b>

[Name of institution]

[ Professional title]

Here a distribution of your research time regarding the specified position is requested for the following types of research:

**Basic research** is experimental or theoretical work undertaken to acquire new knowledge of the underlying foundations of phenomena and observable facts, **without** any particular application or use in view.

**Applied research** is original investigation undertaken in order to acquire new knowledge, **with** a particular application or use in view.

**Experimental development** is systematic work, drawing on knowledge gained from research and practical experience and producing additional knowledge, which is directed to producing new materials, products, services, processes, systems or methods, or to improving such already in existence.

**4. Approximately what percentage of your research time did you spend on the following types of research respectively in 2021?**

The sum of the activities must be 100 percent, regardless of what proportion of your average working week you have spent on R&D activities. If you have not spent time on the type of research, write 0.

	Percent, in numbers	
Basic research	<input type="text"/>	%
Applied research	<input type="text"/>	%
Experimental development	<input type="text"/>	%
	= <input type="text"/>	100%

[Name of institution]

[ Professional title]

The questions about artificial intelligence refer to the specified position.

## **Artificial intelligence in the higher education sector 2021**

AI refers to systems that display intelligent behaviour by analysing their environment and taking actions, with some degree of autonomy, to achieve specific goals. AI based systems can be pure software or embedded in hardware.

Applications for AI can include:

- Image and video analysis for diagnostics or facial recognition systems based on computer vision or voice recognition systems;
- Machine translation, speech to text programs, text analytics or chat robots based on natural language processing;
- Decision support, security systems, traffic analysis, fraud detection, recommendation systems, process optimization or recruitment software based on machine learning;
- Autonomous drones, self-improving robots for production or warehouse tasks or self-driving vehicles.

### **5. Have you used AI-based software or hardware in your research in 2021?**

Do **not** include the use of search engines, personal virtual assistants or mobile apps

Yes

No

Do not know

[Name of institution]

[ Professional title]

**6. Approximately what percentage of your research time did you spend on research and development in AI during an average working week in 2021?**

If you did not conduct research in AI, enter 0.

**Research hours an average working week**

Research and development (R&D) including direct support and application for funding:

Of which research and development **in AI**, including direct support and application for funding

 %

(Computed research hours are based on the information that you provided in questions 2 and 3.)

[Name of institution]

[ Professional title]

## **Work-related mobility abroad in 2021**

Include trips outside Sweden related to the specified position.

For example, if you were a visiting scholar, a visiting researcher or a visiting lecturer and your home university is in another country, only include trips outside of Sweden.

### **7. Have you, with regard to the specified position, been outside of Sweden to conduct research, teach or study in 2021?**

- Yes, one week or more
- Yes, less than one week
- No

### **Research and development activities (R&D), including direct support activities**

In addition to work on research and development, R&D activities also include:

- The part of postgraduate education that relates to research, for example your own dissertation work.
- Supervision of dissertation work.
- Applying for funding for research and development activities (R&D) or giving direct support to such activities.
- Direct support activities for R&D, such as
  - planning and monitoring R&D activities
  - accounting, human resources and administration directly relating to R&D activities
  - legal advice and patent information directly related to R&D activities
  - developing, maintaining and repairing machinery, instruments and other equipment used for R&D activities.

### **Teaching at bachelor's, master's and doctoral level, including direct support, such as:**

- planning for teaching/lectures
- seminar activities.

### **Participation in education/courses within your own doctoral education in addition to dissertation work.**



[Name of institution]

[ Professional title]

**8. How many whole weeks have you spent outside of Sweden to conduct research, teach or study during 2021?**

*Please estimate the total number of weeks.*

weeks

**Research and development activities (R&D), including direct support activities**

In addition to work on research and development, R&D activities also include:

- The part of postgraduate education that relates to research, for example your own dissertation work.
- Supervision of dissertation work.
- Applying for funding for research and development activities (R&D) or giving direct support to such activities.
- Direct support activities for R&D, such as
  - planning and monitoring R&D activities
  - accounting, human resources and administration directly relating to R&D activities
  - legal advice and patent information directly related to R&D activities
  - developing, maintaining and repairing machinery, instruments and other equipment used for R&D activities.

**Teaching at bachelor's, master's and doctoral level, including direct support, such as:**

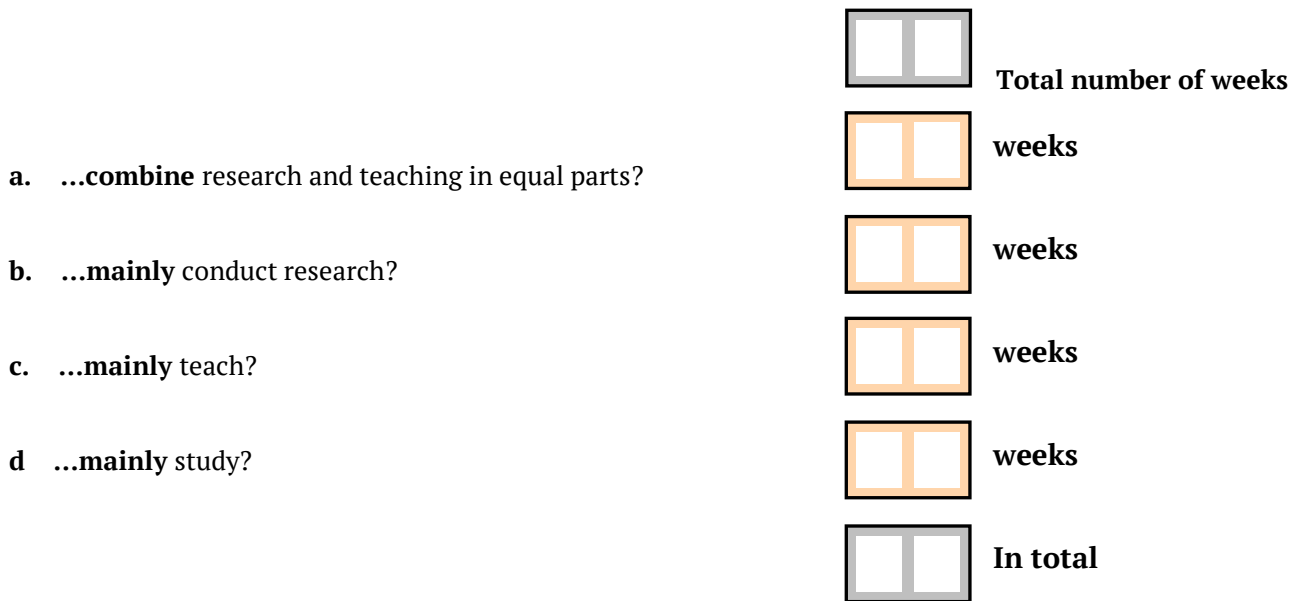
- planning for teaching/lectures
- seminar activities.

**Participation in education/courses within your own doctoral education in addition to dissertation work.**

[Lärosäte]

[Tjänst]

**9. During how many of the total number of weeks reported did you....**



**Thank you for participating in the survey!**