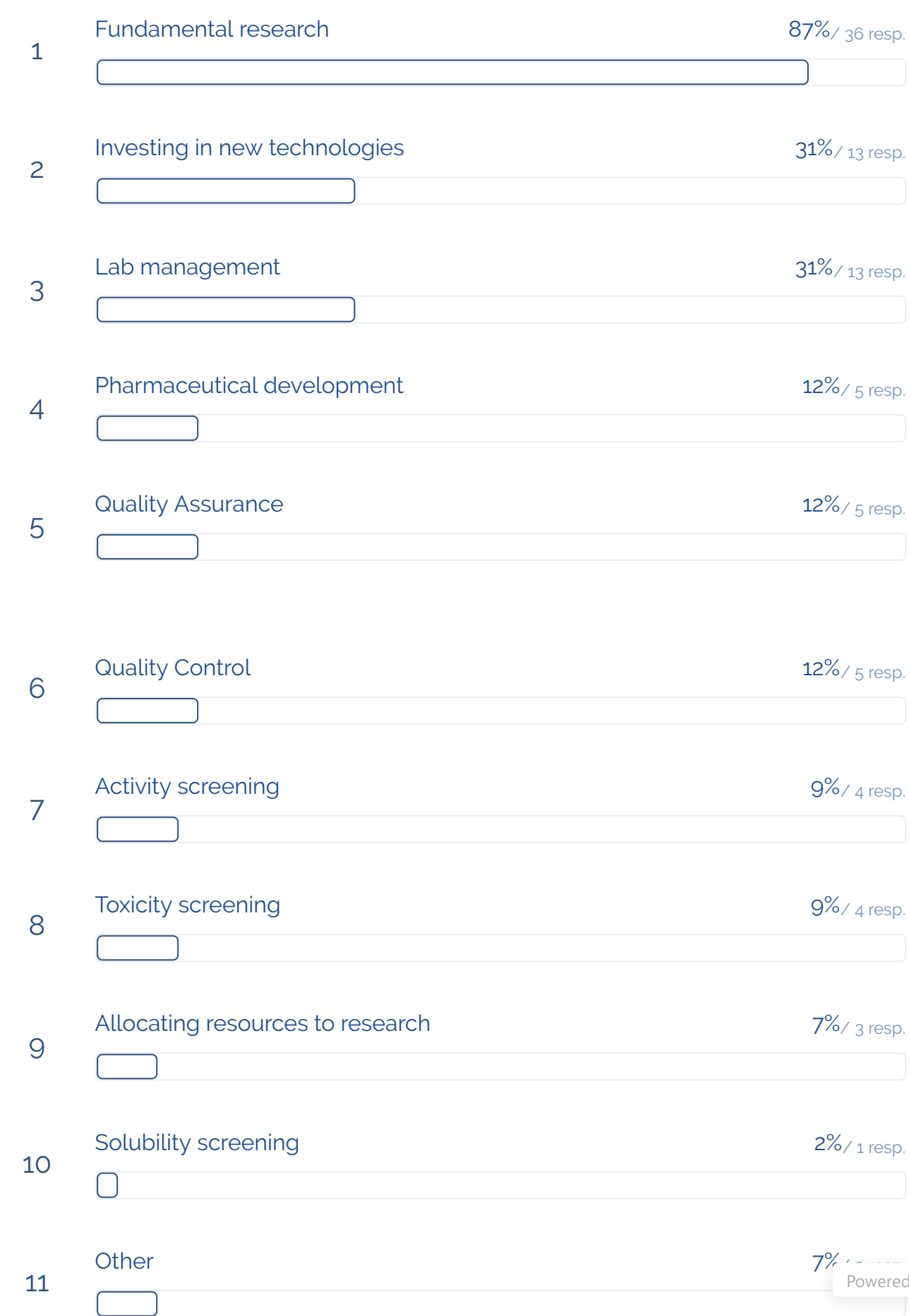


# Reproducibility Survey 2.1

41 responses

Could you let us know a bit more about your working environment? Please select all options that are relevant to your work:

41 out of 41 answered



41 out of 41 answered

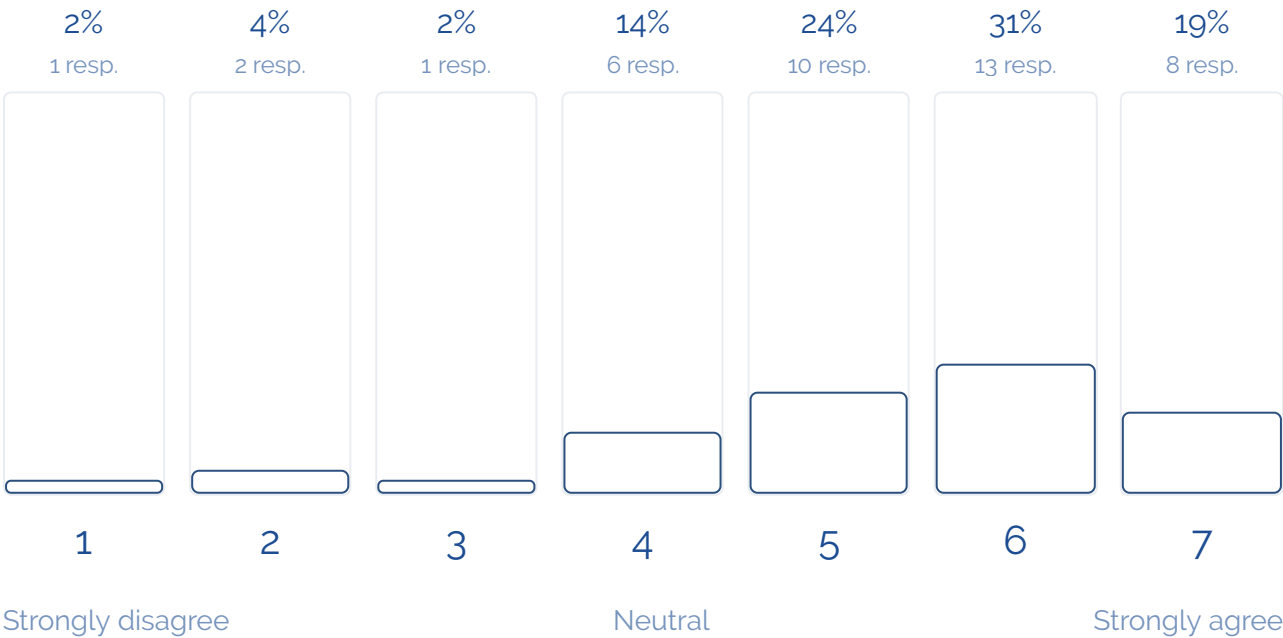
A horizontal bar chart with seven bars representing responses from 'Strongly disagree' to 'Strongly agree'. The bars are light blue with dark blue outlines. The data is as follows:

Response	Percentage	Count (resp.)
Strongly disagree (1)	0%	0
Disagree (2)	9%	4
Neutral (3)	4%	2
Neutral (4)	4%	2
Agree (5)	36%	15
Agree (6)	31%	13
Strongly agree (7)	12%	5

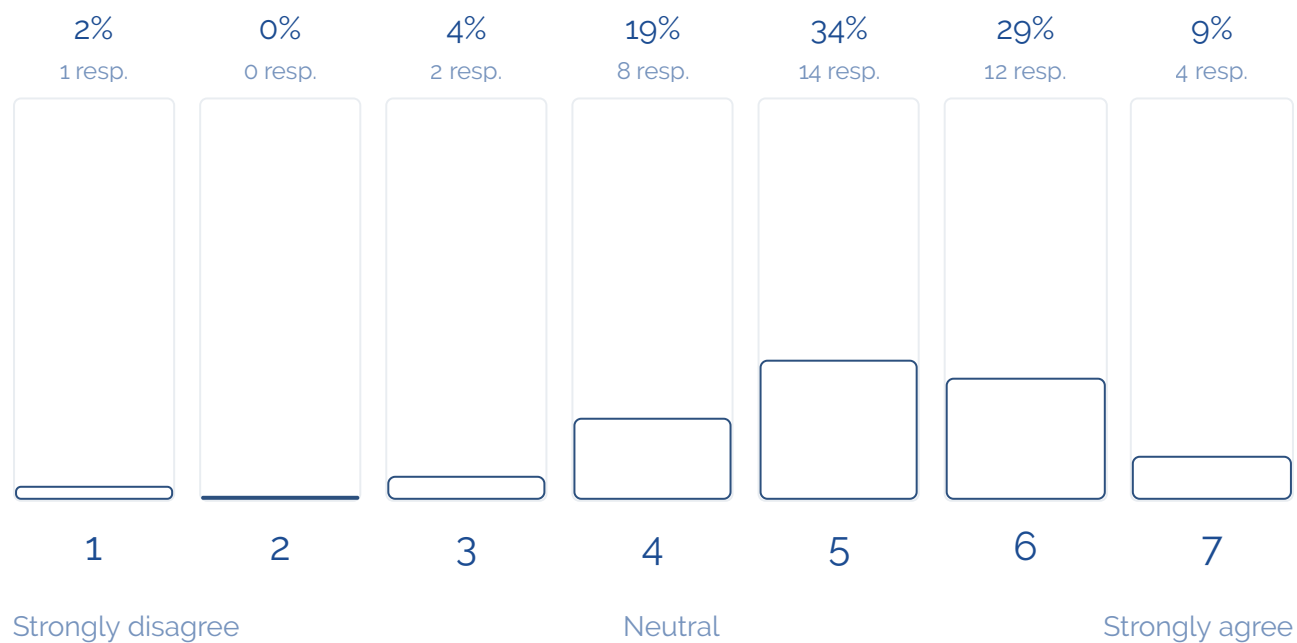
If research is irreproducible, that is often caused by **pressure to publish** of the original research.

41 out of 41 answered

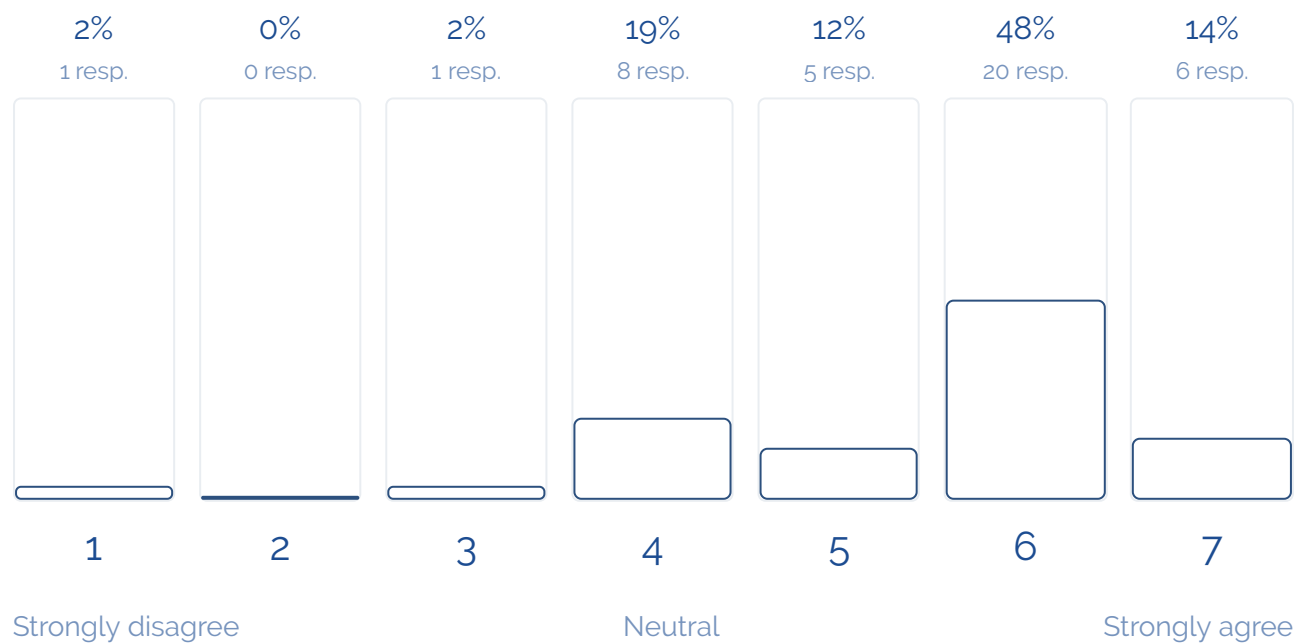
5.3 Average rating



41 out of 41 answered



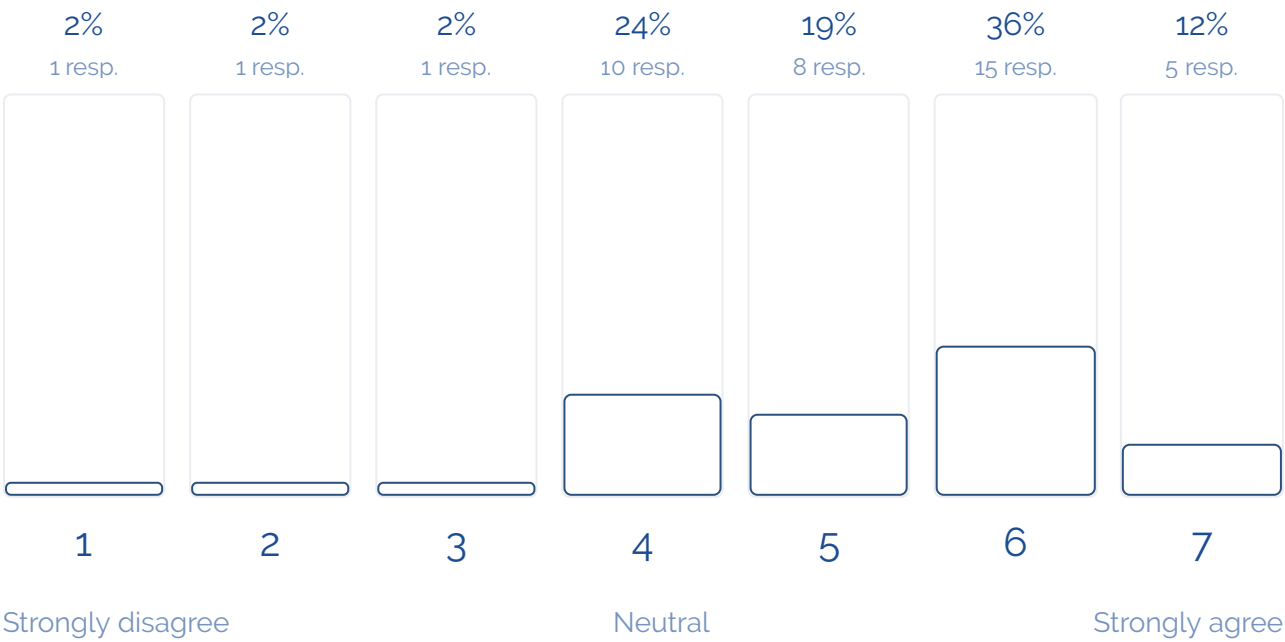
41 out of 41 answered



If research is irreproducible, that is often caused by **insufficient monitoring or mentoring** of the original research.

41 out of 41 answered

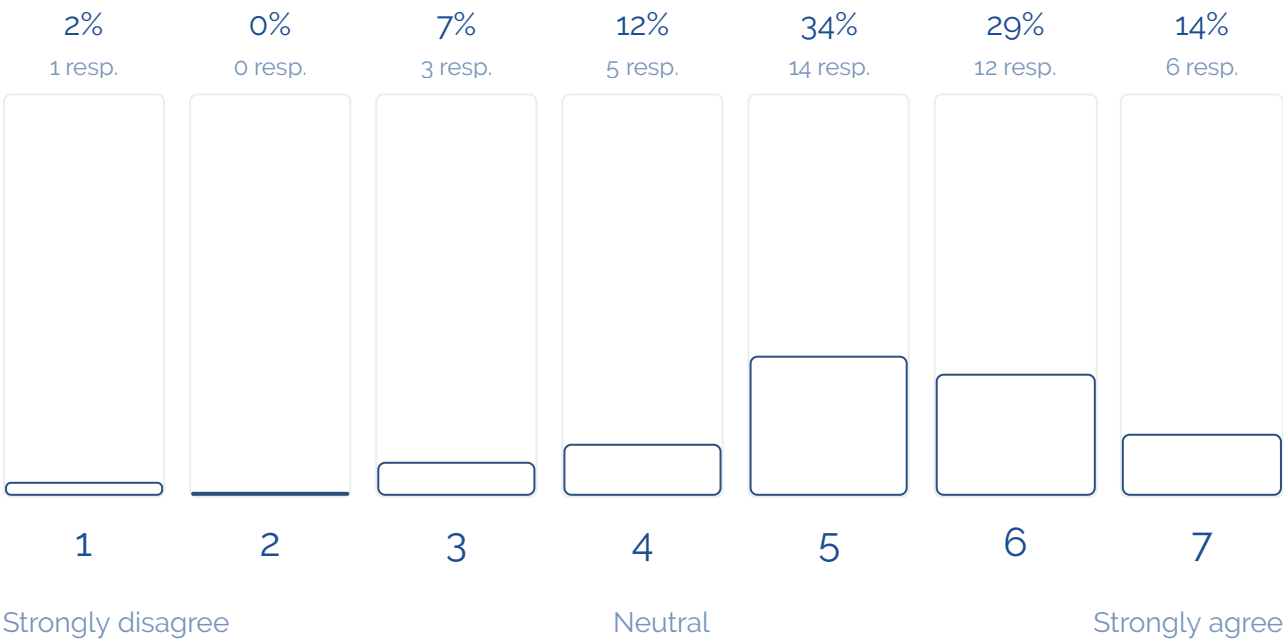
### 5.1 Average rating



If research is irreproducible, that is often caused by **unavailable documentation of methods** of the original research.

41 out of 41 answered

### 5.2 Average rating

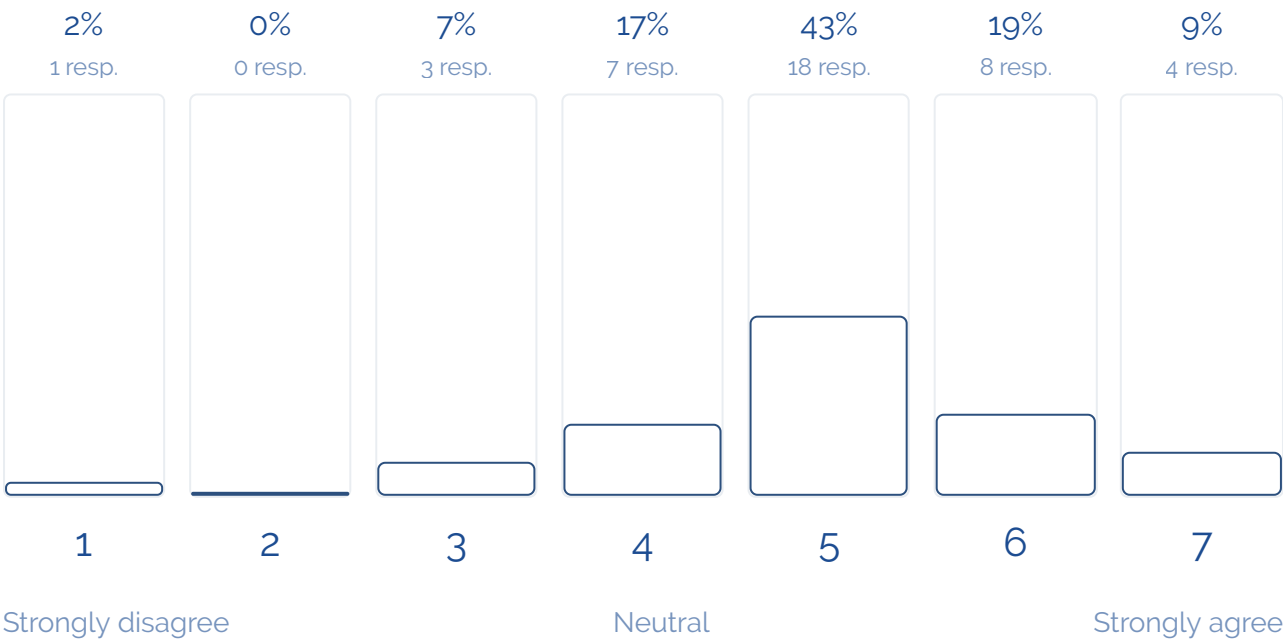




If research is irreproducible, that is often caused by **poor experimental design** of the original research.

41 out of 41 answered

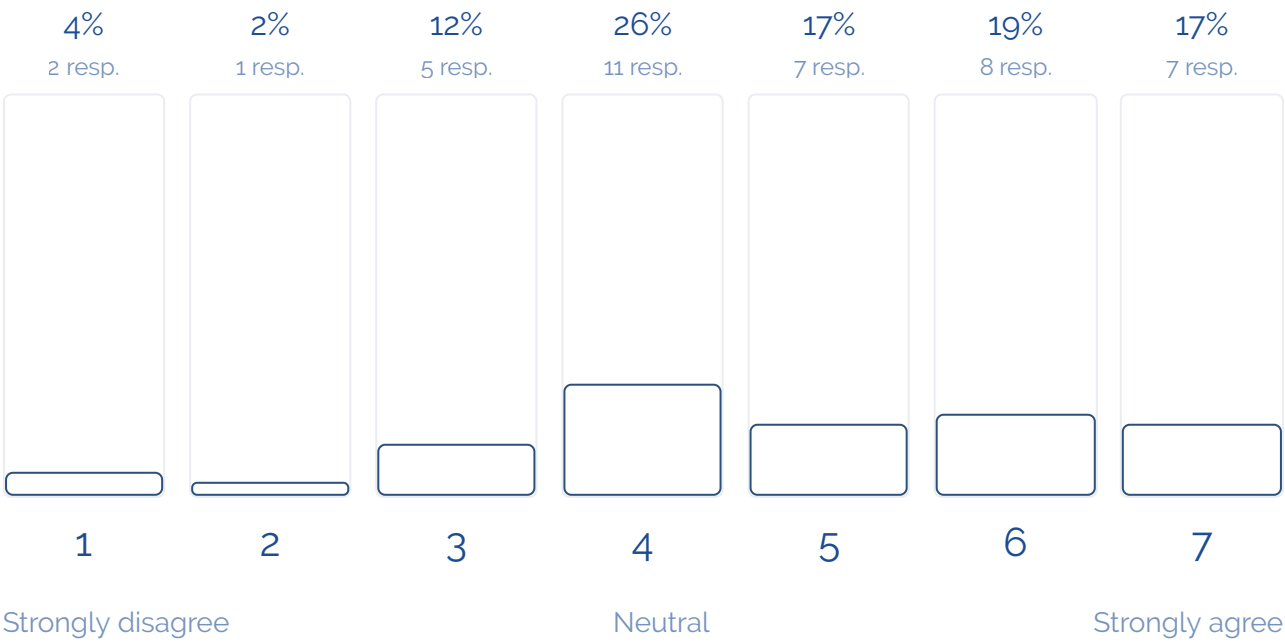
5.0 Average rating



If research is irreproducible, that is often caused by **lack of access to raw data** from original research.

41 out of 41 answered

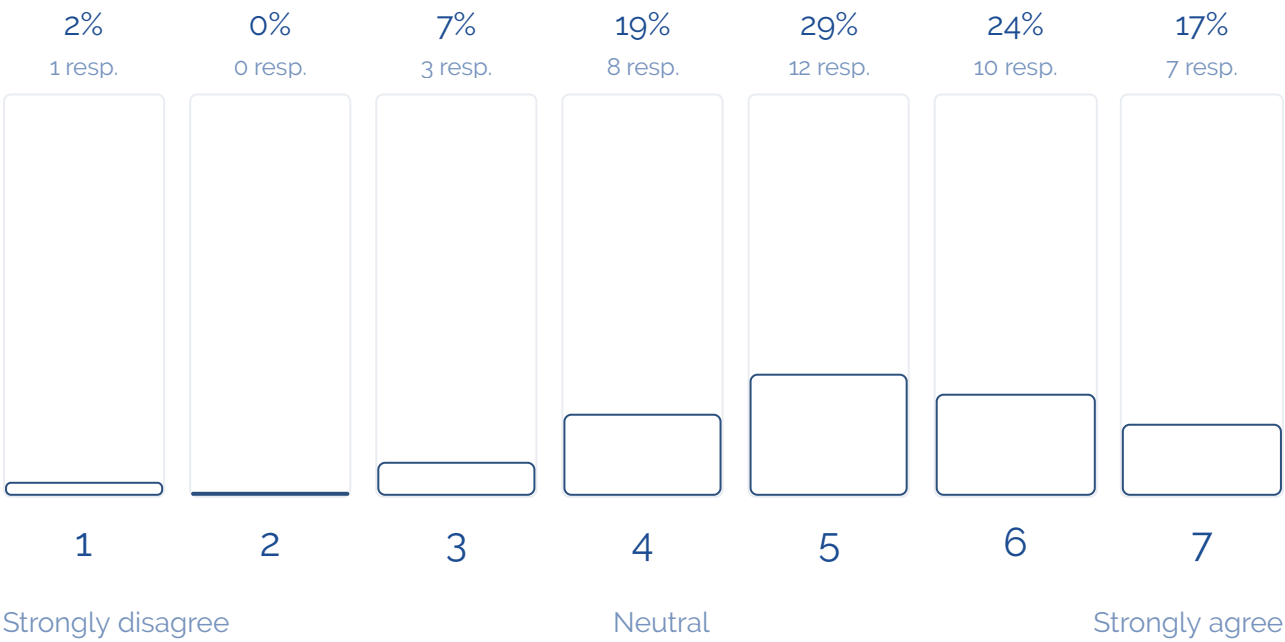
### 4.8 Average rating



If research is irreproducible, that is often caused by **low standards for documentation** of the original research.

41 out of 41 answered

### 5.1 Average rating



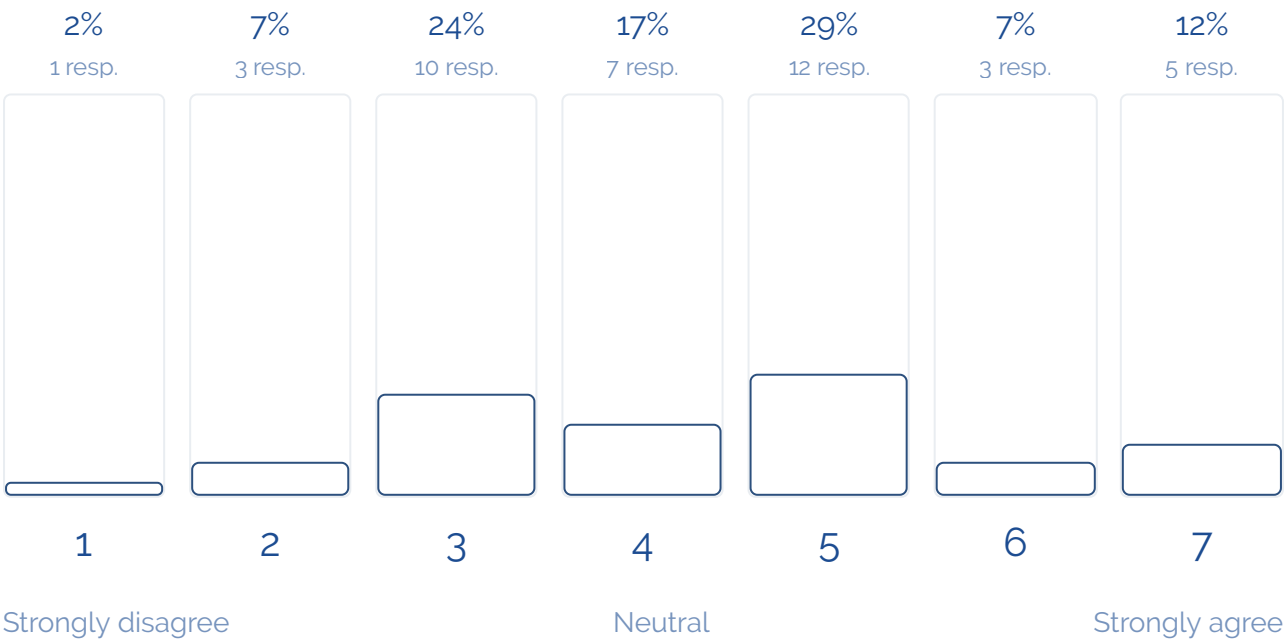
41 out of 41 answered

Rating	Percentage	Number of Responses
1 (Strongly disagree)	4%	2
2	19%	8
3	14%	6
4 (Neutral)	29%	12
5	14%	6
6	12%	5
7 (Strongly agree)	4%	2

If research is irreproducible, that is often caused by **insufficient peer review** of the original research.

41 out of 41 answered

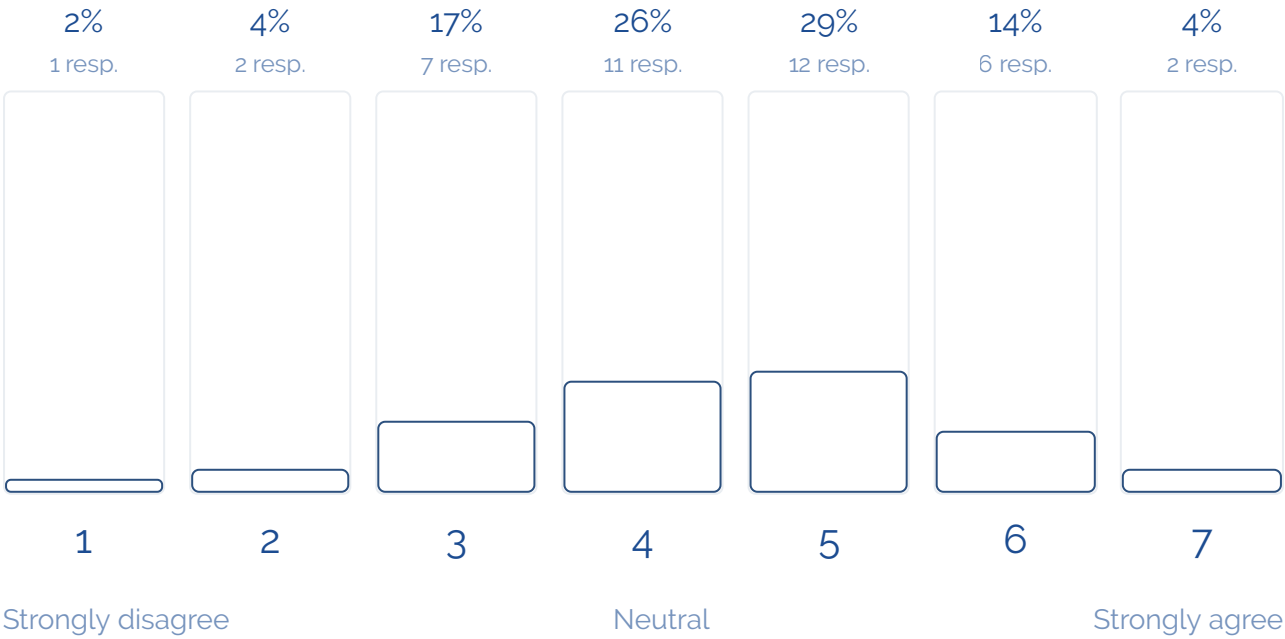
### 4.3 Average rating



If research is irreproducible, that is often caused by **variability of standard reagents** of the original research.

41 out of 41 answered

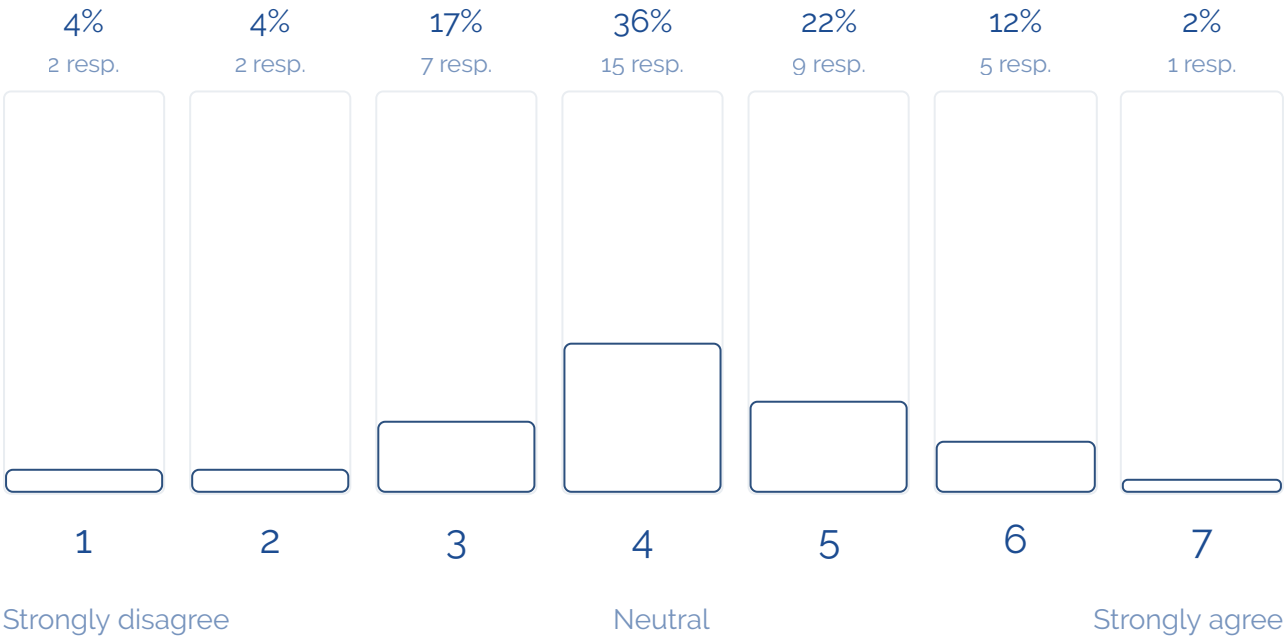
### 4.4 Average rating



If research is irreproducible, that is often caused by **lack of knowledge and skills** of the original researchers.

41 out of 41 answered

### 4.1 Average rating



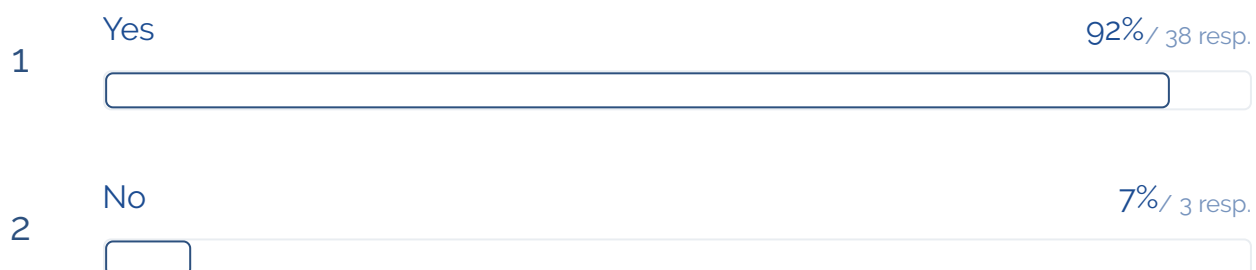
41 out of 41 answered

A horizontal bar chart with seven bars representing a survey scale from 1 to 7. The bars are light blue with dark blue outlines. Above each bar, the percentage and number of responses are listed. Below the bars, the scale labels are provided.

Response	Percentage	Number of Responses
1	34%	14 resp.
2	19%	8 resp.
3	17%	7 resp.
4	24%	10 resp.
5	4%	2 resp.
6	0%	0 resp.
7	0%	0 resp.

Strongly disagree      Neutral      Strongly agree

41 out of 41 answered





Is a large part of your position to check whether research in the lab is conducted properly, safely and/or diligently?

41 out of 41 answered



How many years of lab involvement do you have including education?

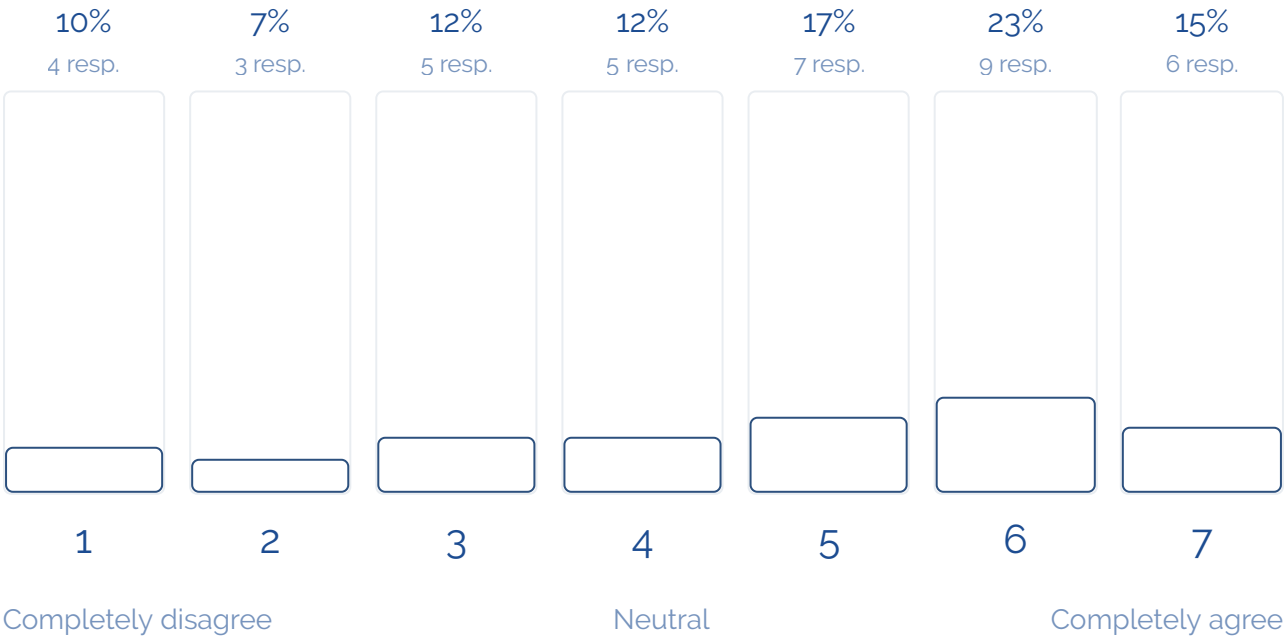
39 out of 41 answered



The materials (consumables, containers, glassware, tubes) I work with have had no significant impact on the results I generated in the last 6 months.

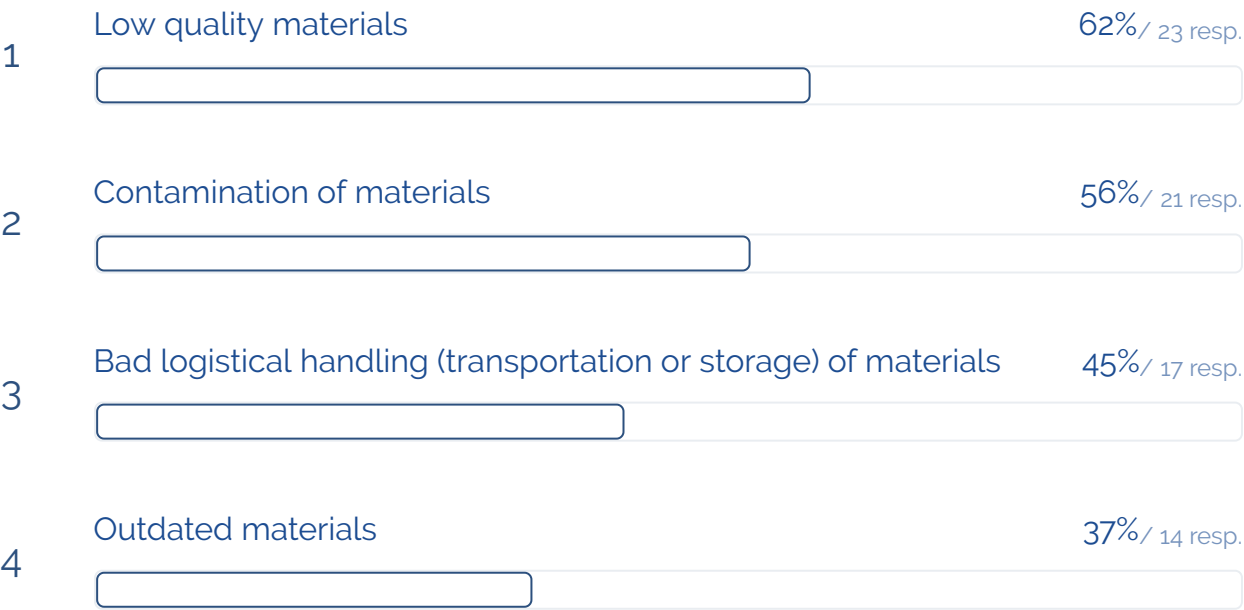
39 out of 41 answered

4.5 Average rating



What problem(s) with materials do you think affect your results?

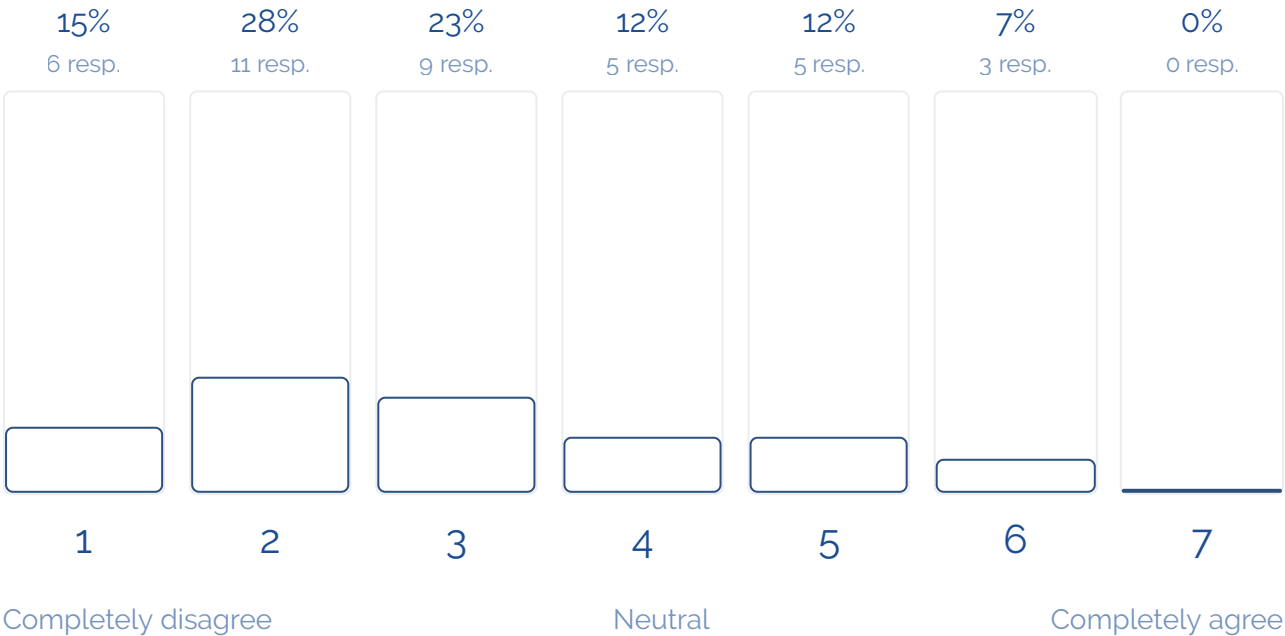
37 out of 41 answered



The samples (cells, DNA, RNA, Proteins etc. for measurement) I work with have had no significant impact on the results I generated in the last 6 months.

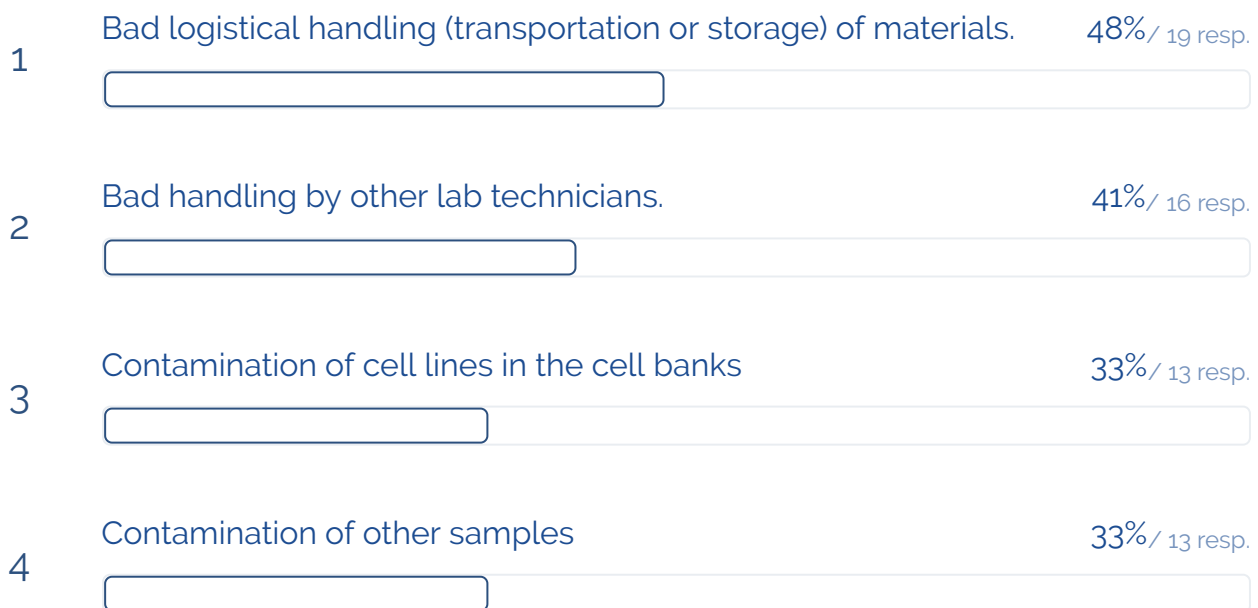
39 out of 41 answered

### 3.0 Average rating

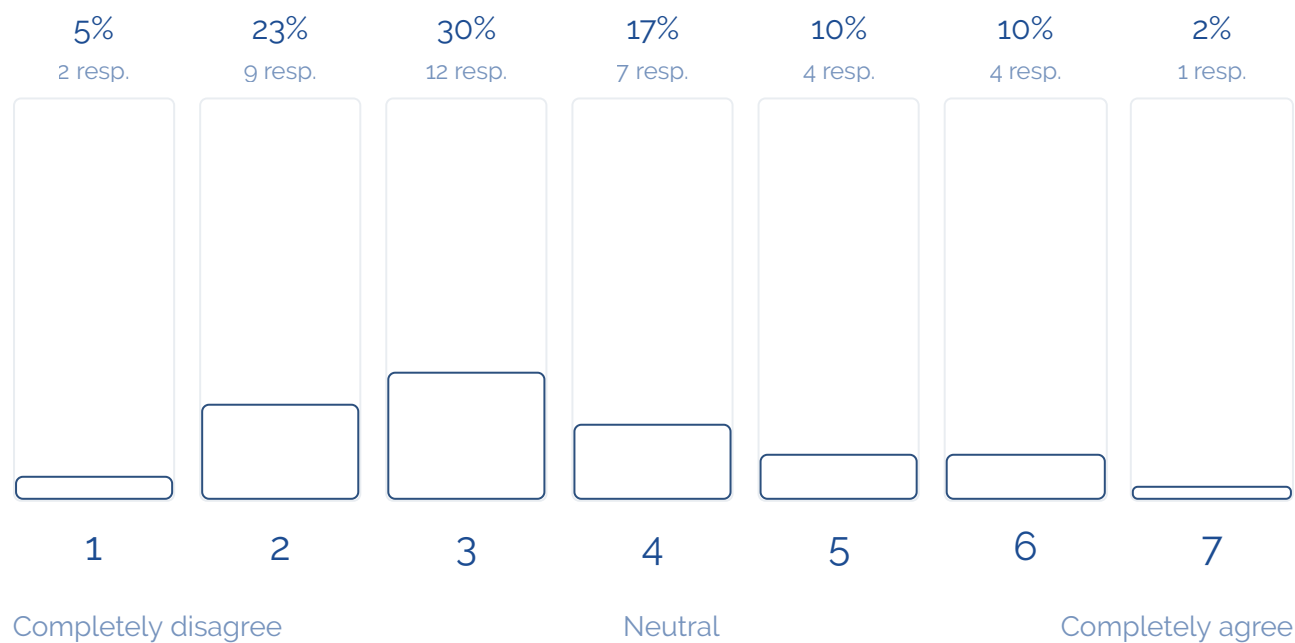


What problem(s) with materials do you think affected your results?

39 out of 41 answered

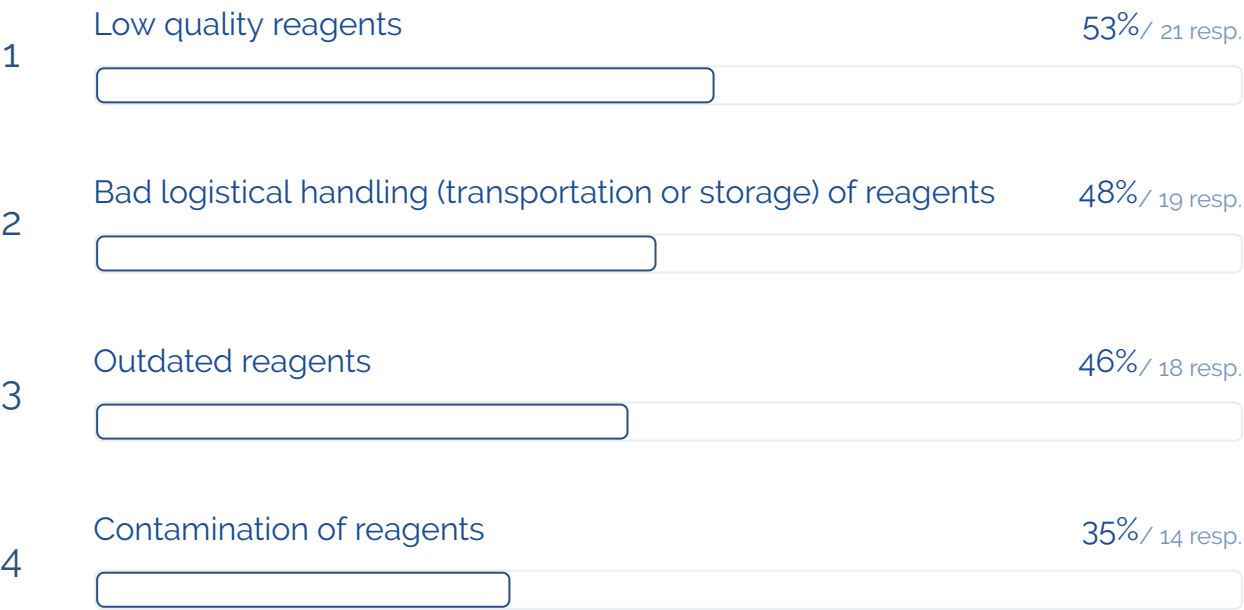


39 out of 41 answered



What problem(s) with materials do you think affected your results?

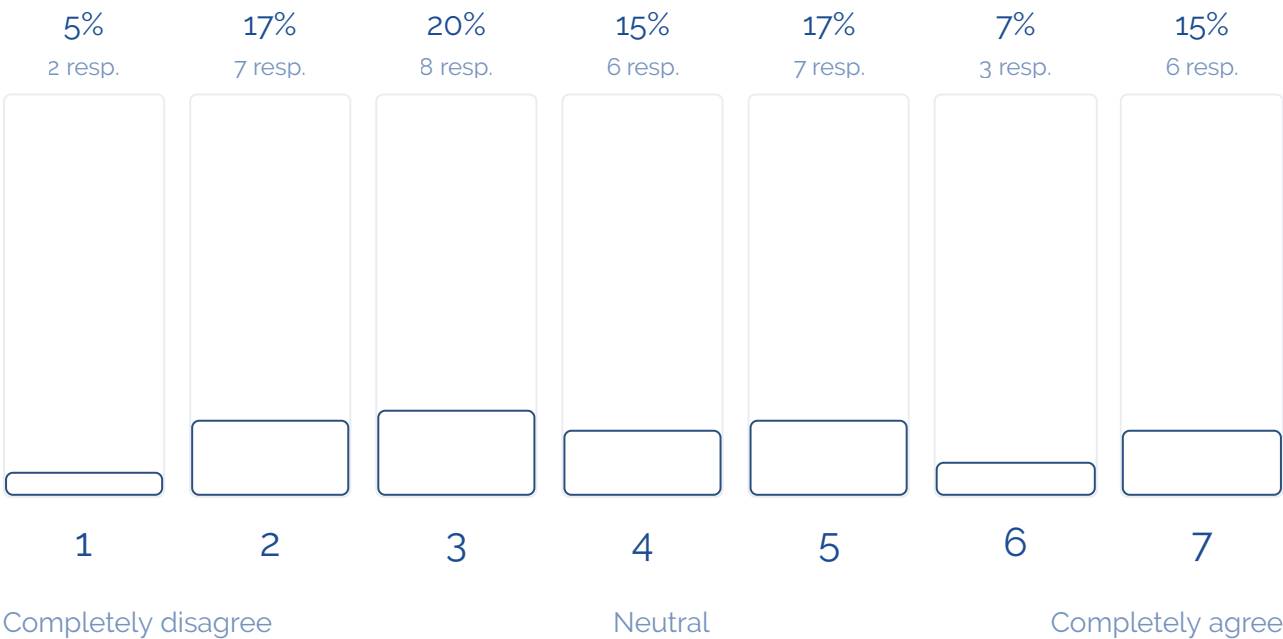
39 out of 41 answered



The equipment (centrifuges, PCR machines, electrophoresis systems, sequencers etc.) I work with have had no significant impact on the results I generated in the last 6 months.

39 out of 41 answered

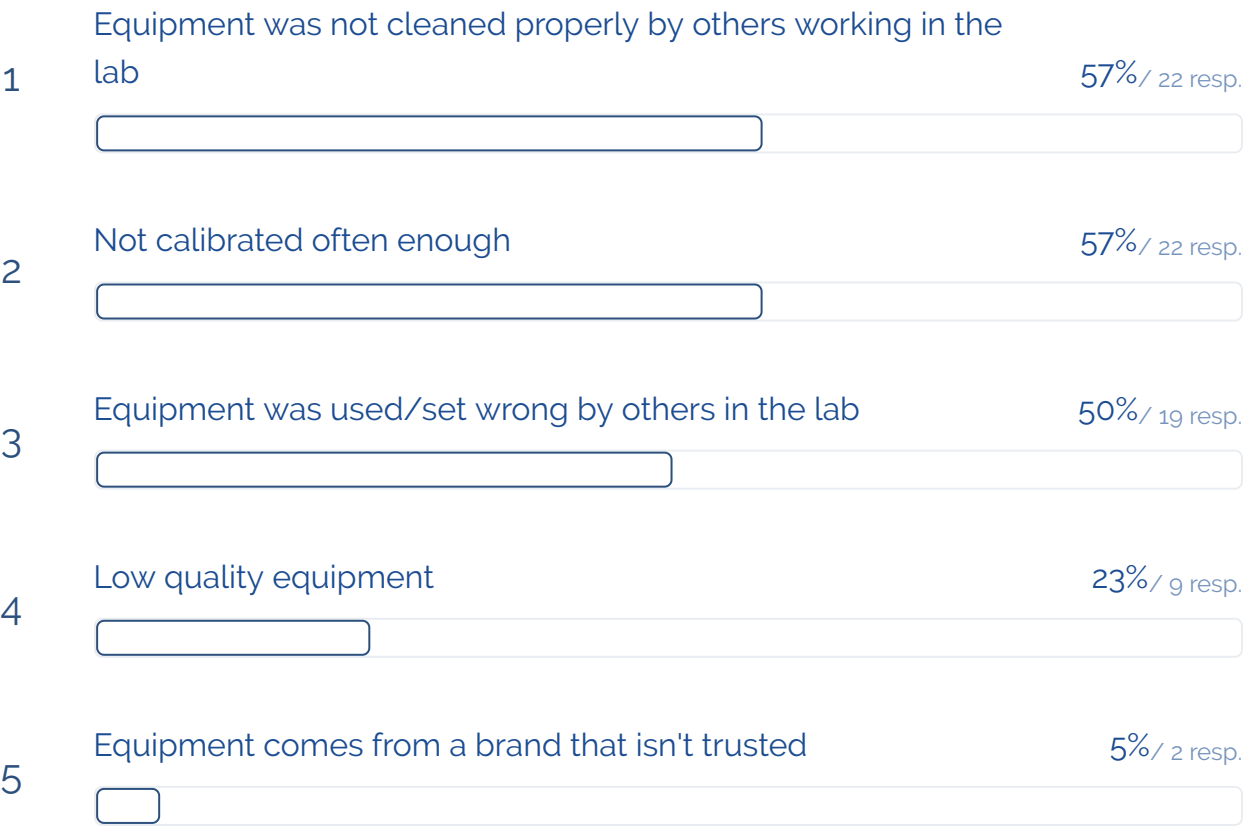
4.1 Average rating





What problem(s) with equipment do you think affected your results?

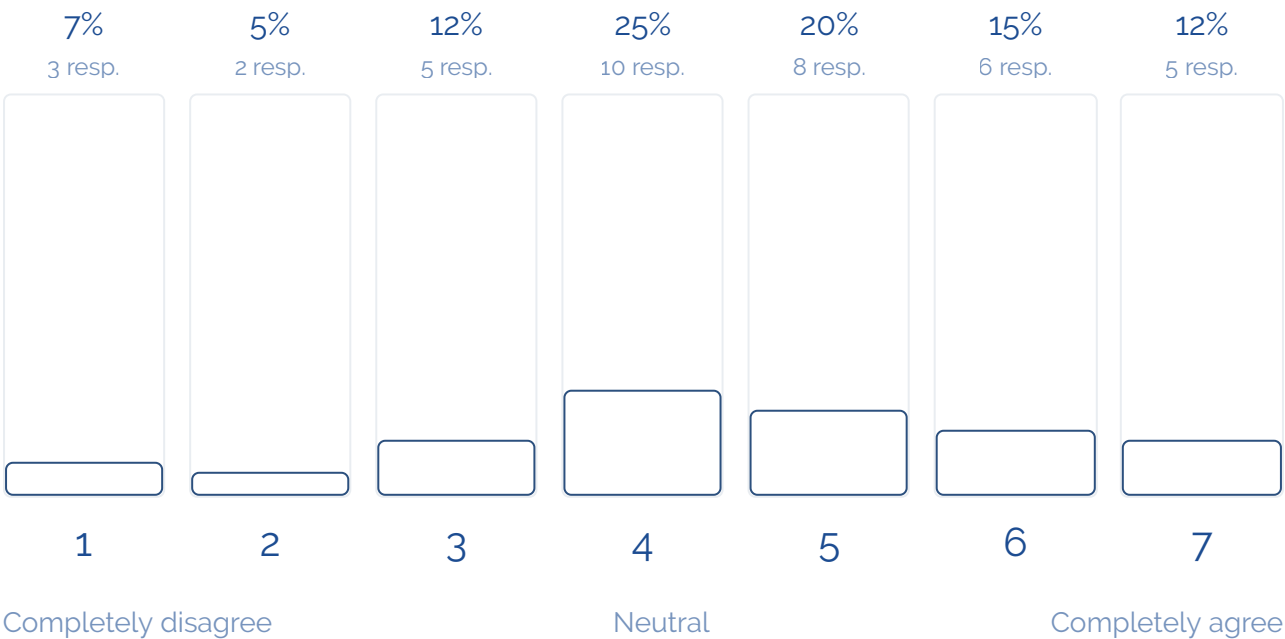
38 out of 41 answered



The documentation methods used in my lab have not significantly impacted the reproducibility of my results in the last 6 months.

39 out of 41 answered

### 4.4 Average rating



What problem(s) regarding documentation do you think affected your results?

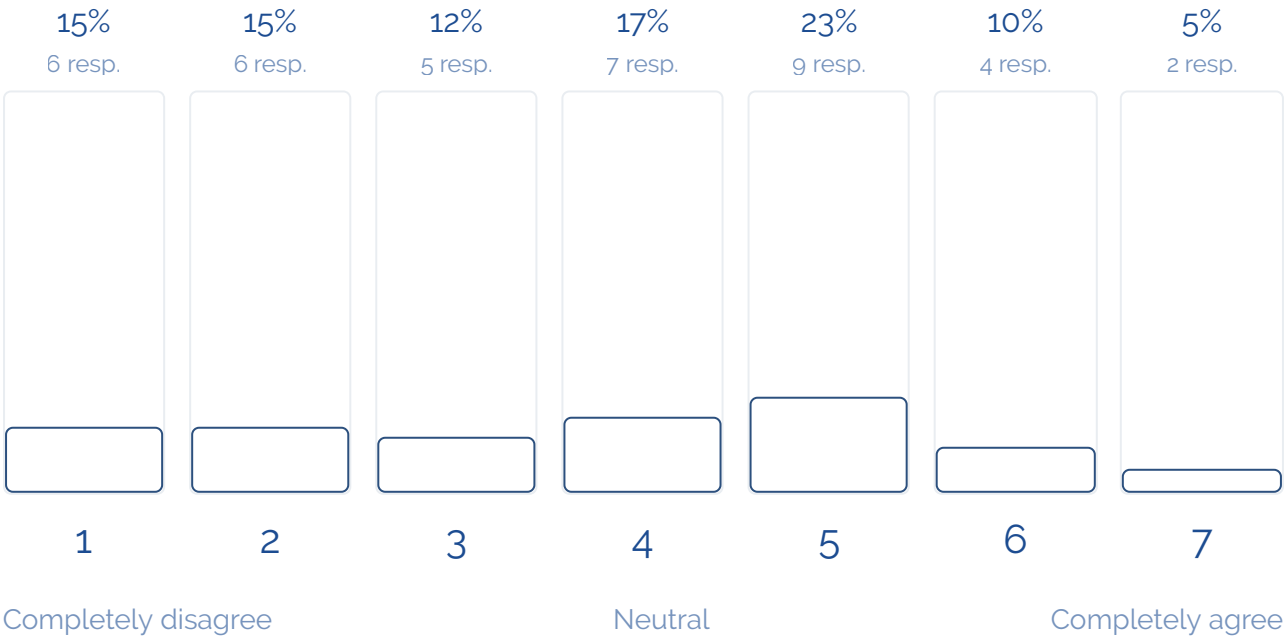
37 out of 41 answered



**Contamination caused by inadequate cleaning/servicing** of tools and the work-space are the main source of errors in the life sciences.

39 out of 41 answered

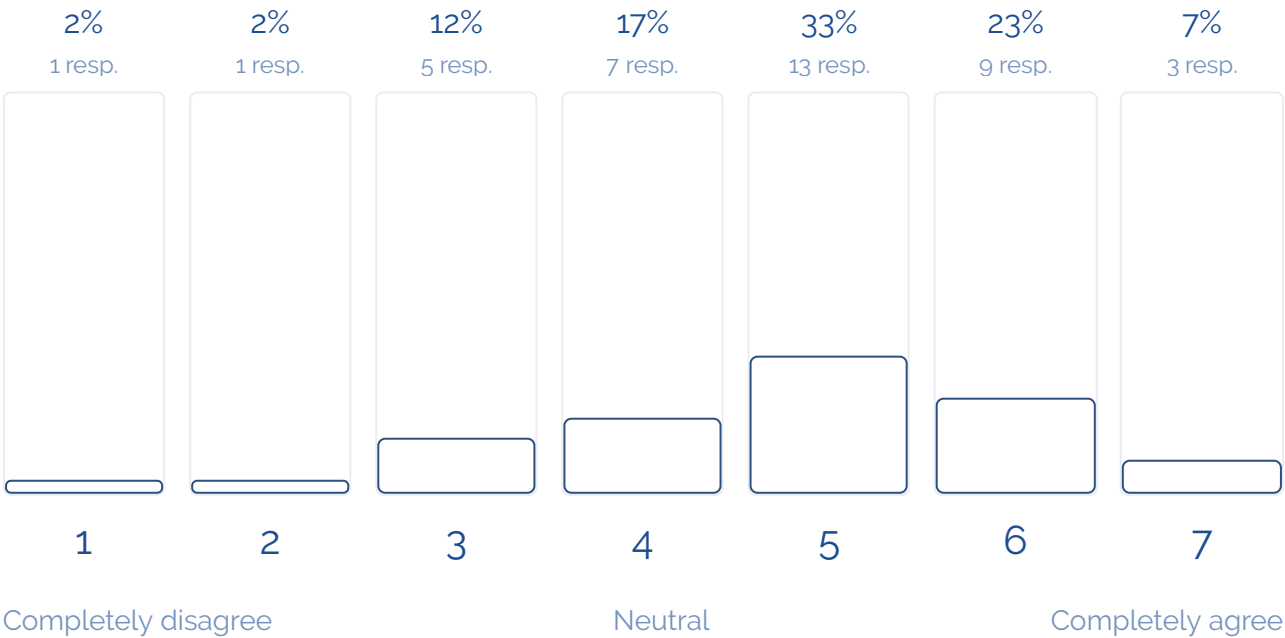
### 3.7 Average rating



**Human errors** in accurate protocol execution are the main source of errors in the lab where I work.

39 out of 41 answered

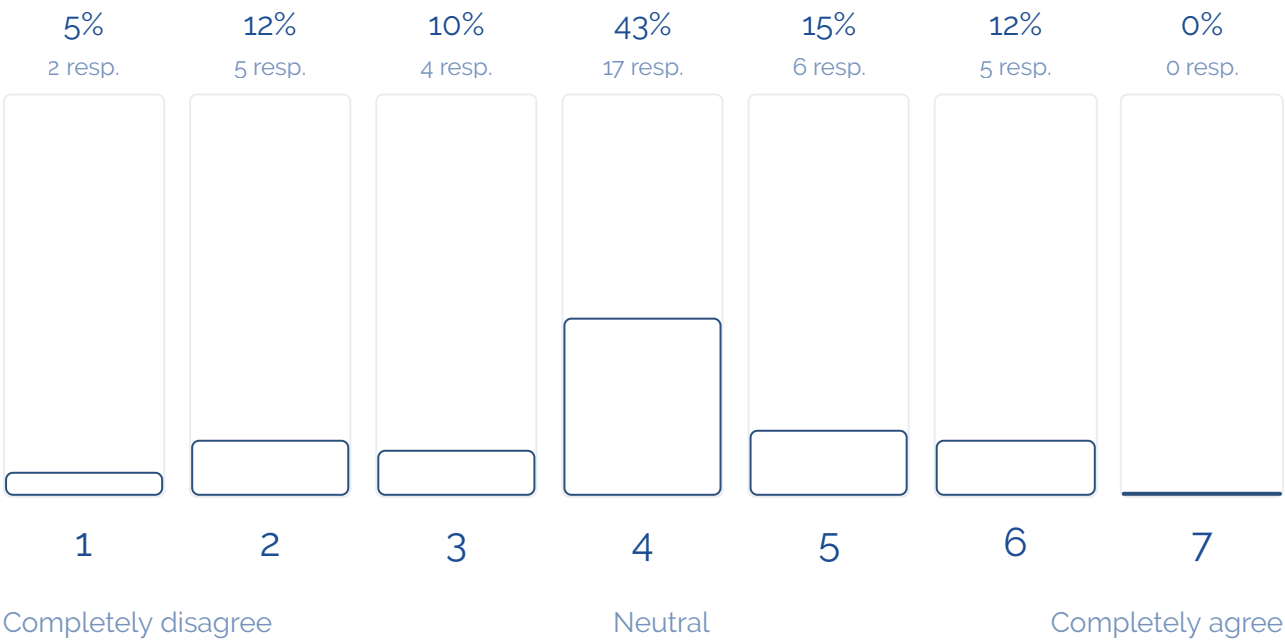
4.8 Average rating



Concentration errors caused by **inadequate liquid handling** is the main source of errors in the lab where I work.

39 out of 41 answered

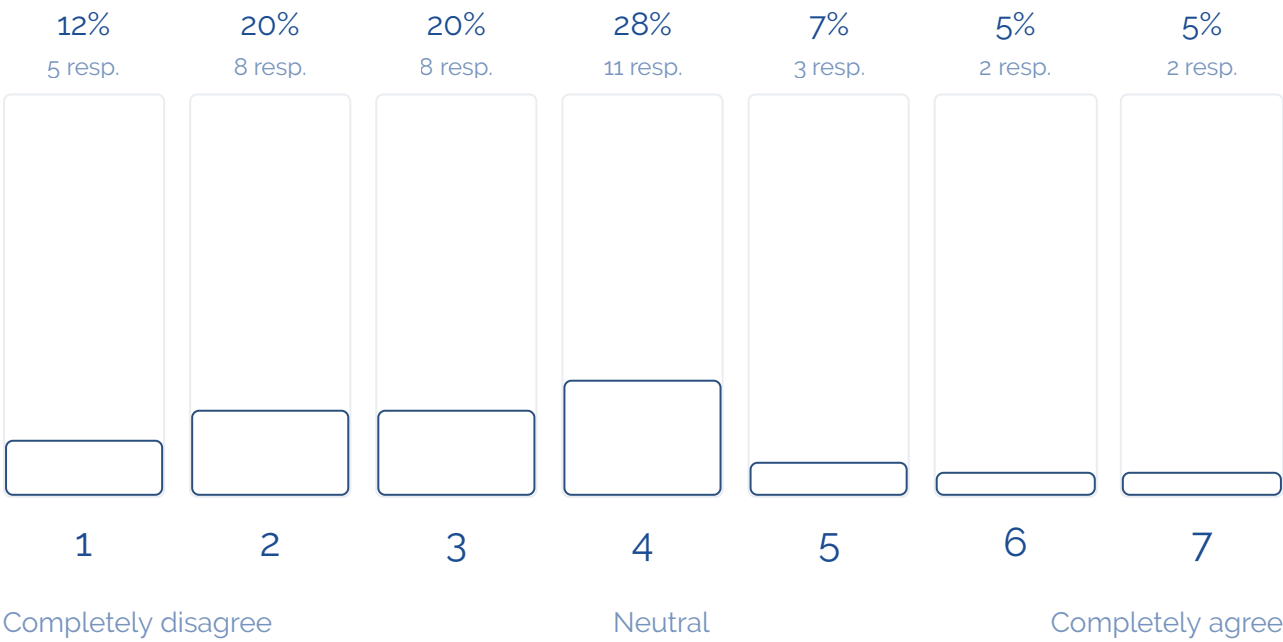
### 3.9 Average rating



Stability issues caused by **inadequate storage facilities** are the main source of errors in the lab where I work.

39 out of 41 answered

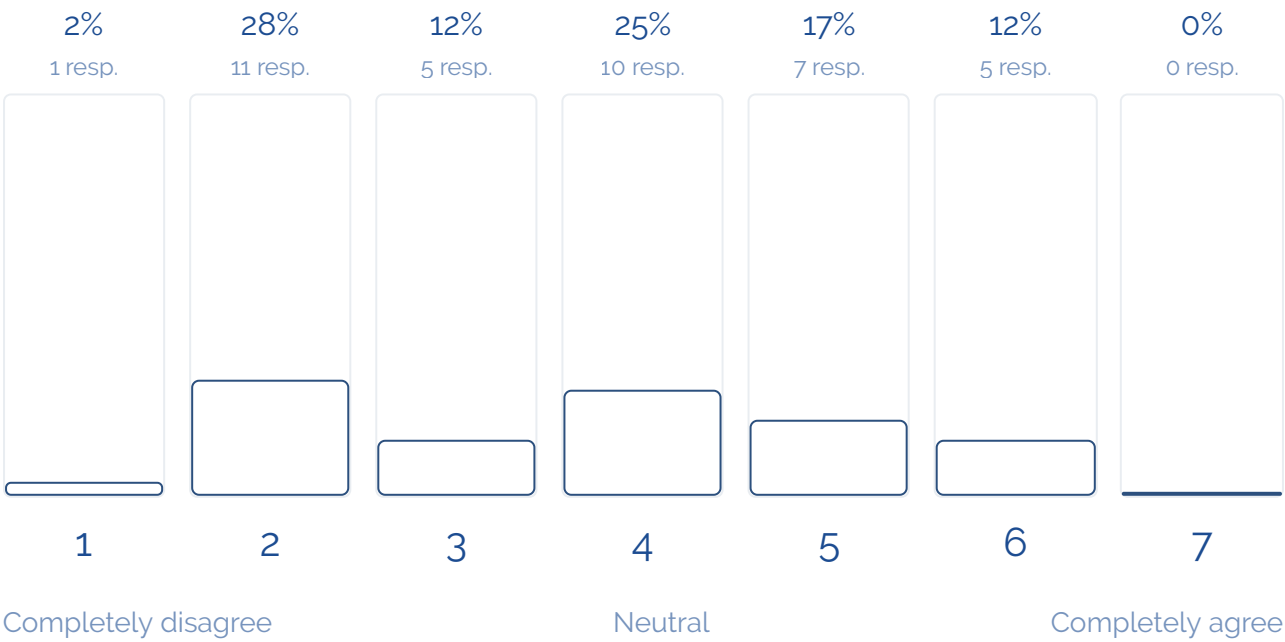
### 3.3 Average rating



Stability issues caused by **inadequate handling of samples and reagents** are the main source of errors in the lab where I work.

39 out of 41 answered

### 3.7 Average rating

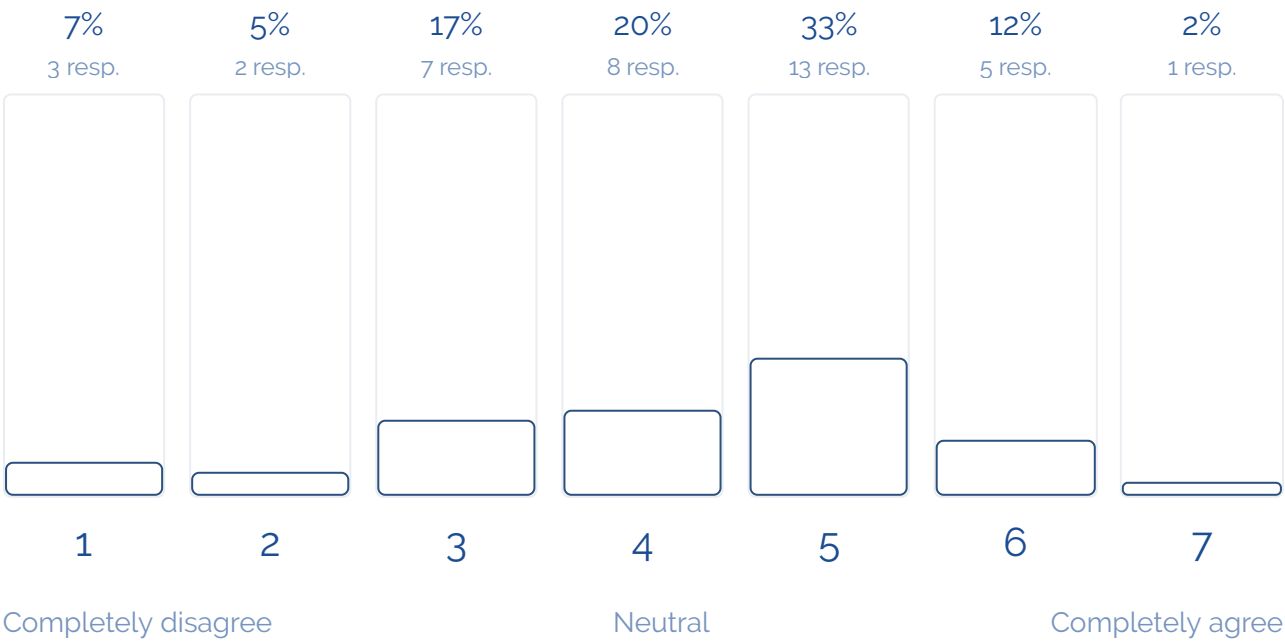




Documentation errors caused by **human input errors in the documentation system** are the main source of errors in the lab where I work.

39 out of 41 answered

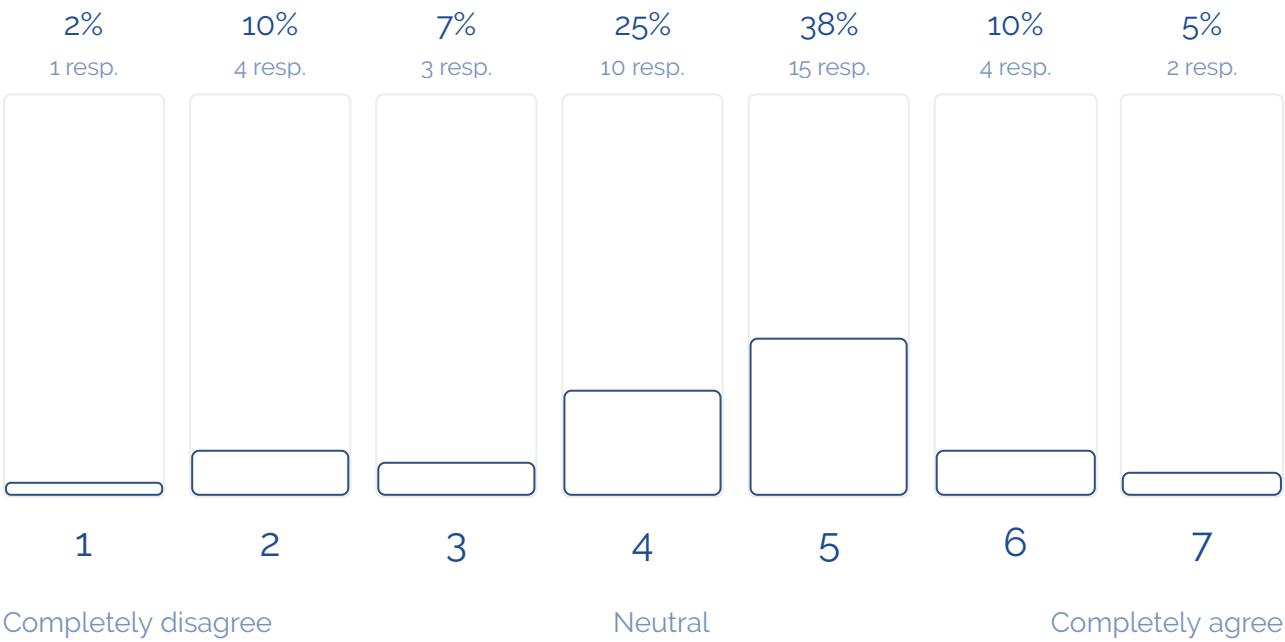
### 4.2 Average rating



Documentation errors caused by an **inadequate documentation system** are the main source of errors in the lab where I work.

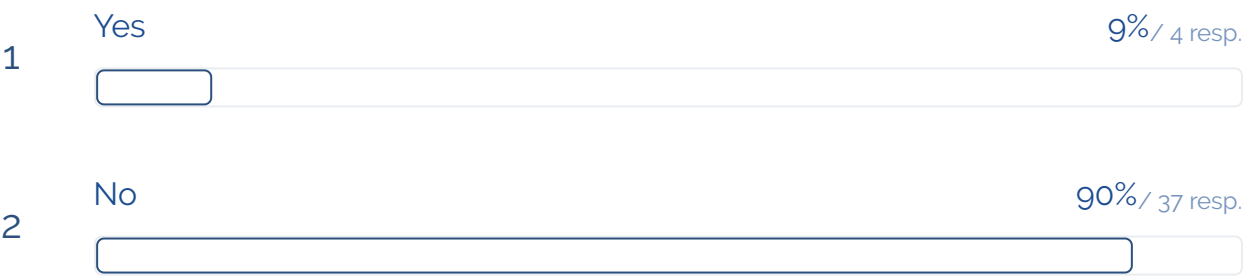
39 out of 41 answered

4.4 Average rating



Does your position require you to estimate the value of scientific discovery and inventions? (i.e. Are you an investor, adviser, head scientist, CEO/CSO, etc.?)

41 out of 41 answered



Could you describe more about what activities you engage in within your working environment?  
Please select all relevant statements:

4 out of 41 answered

- 1

Advising others about which technological advancements to pursue

50%/ 2 resp.
- 2

Choosing which technological projects to engage in or not

50%/ 2 resp.
- 3

Investing my own money in new technologies

50%/ 2 resp.
- 4

Assessing the risk whether a new technology will make it to market or not

0%/ 0 resp.
- 5

Patenting technologies from private research

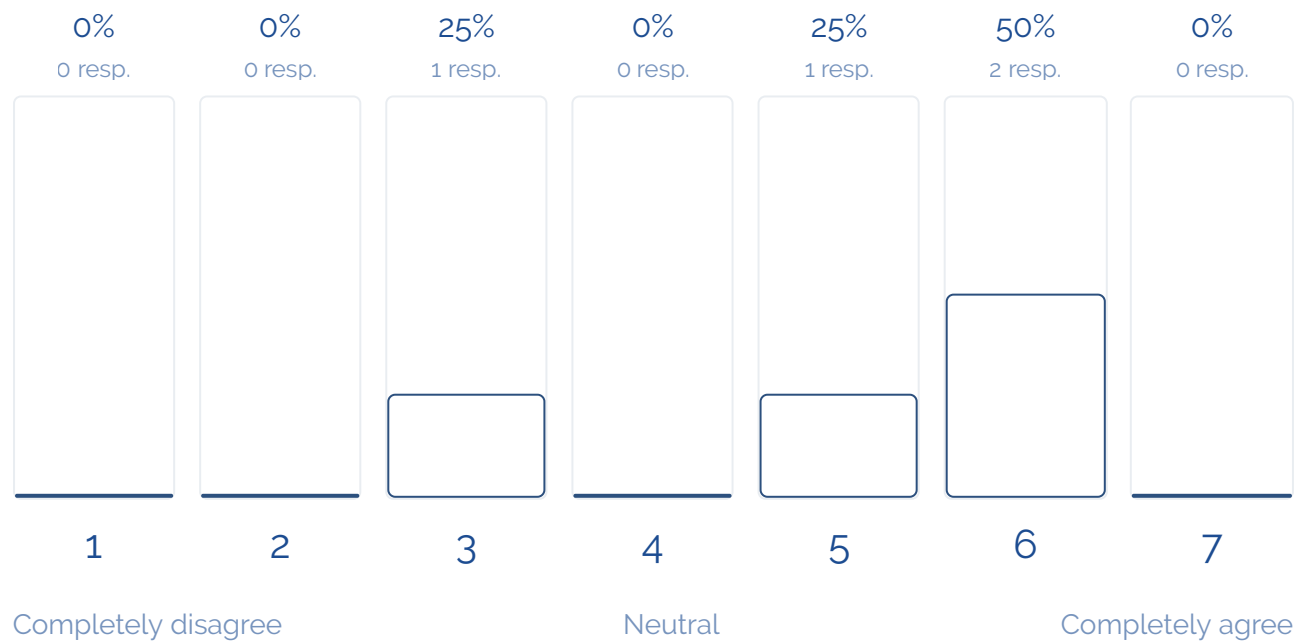
0%/ 0 resp.
- 6

Patenting technologies from public research

0%/ 0 resp.

4 out of 41 answered

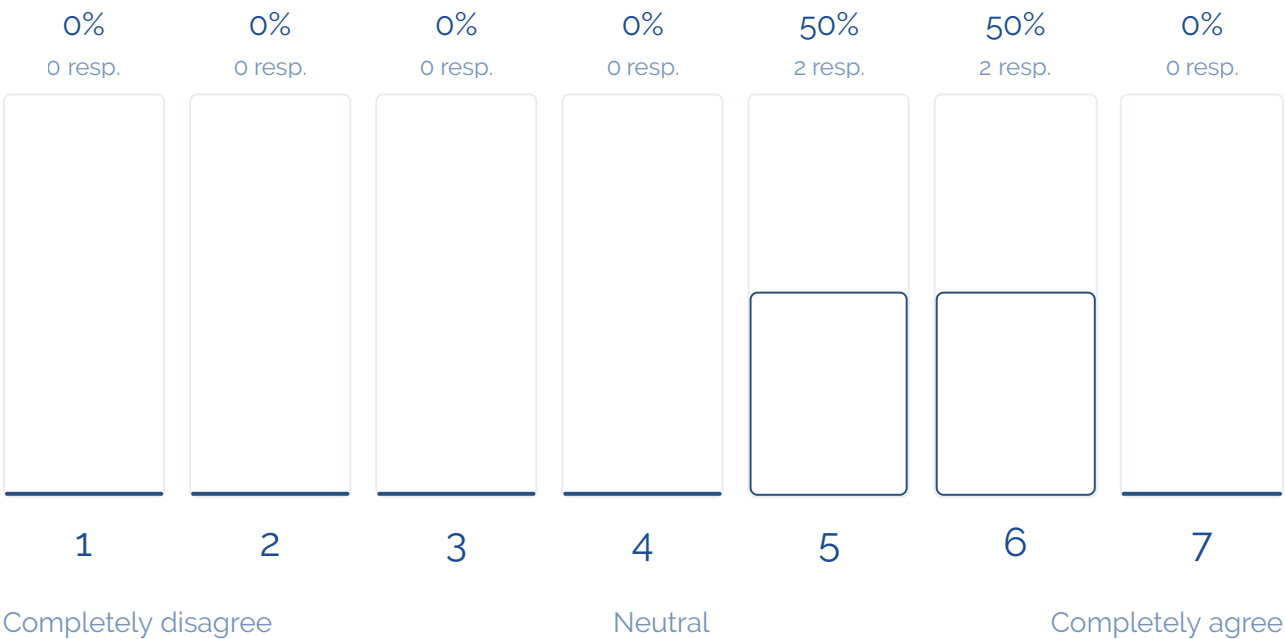
## 5.0 Average rating



The trustworthiness of the researchers involved in prior research has been confirmed when I evaluate a project's chance of success.

4 out of 41 answered

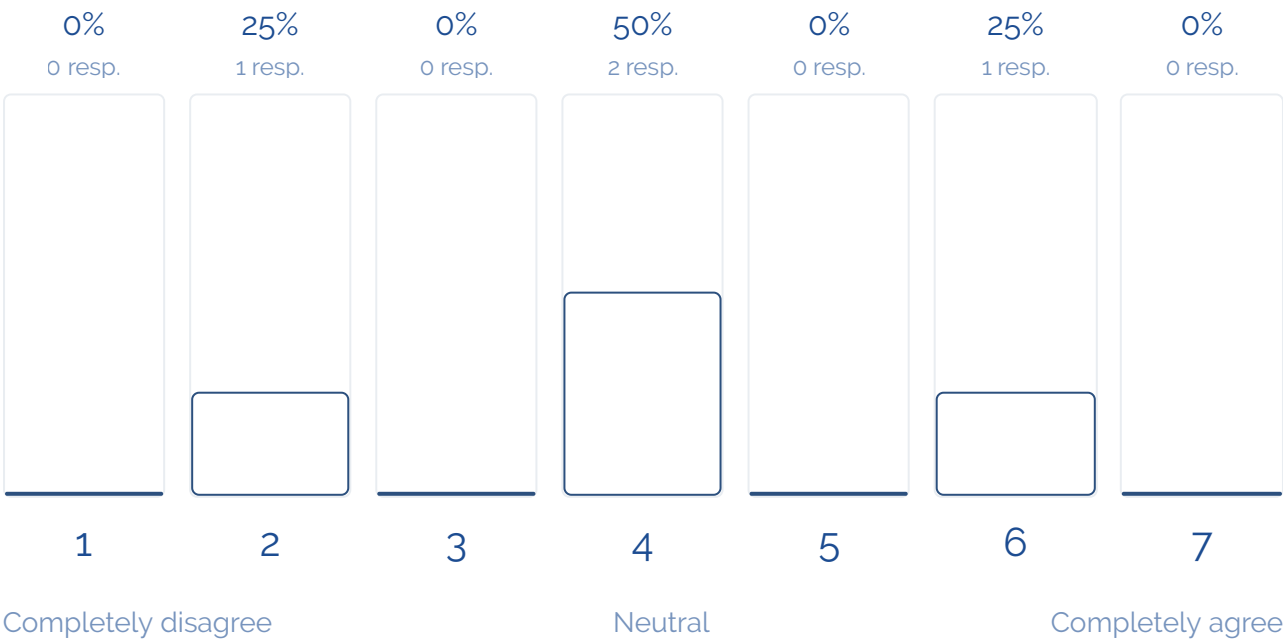
5.5 Average rating



The used methods of prior research are confirmed to be standardized in the industry when I evaluate a project's chance of success.

4 out of 41 answered

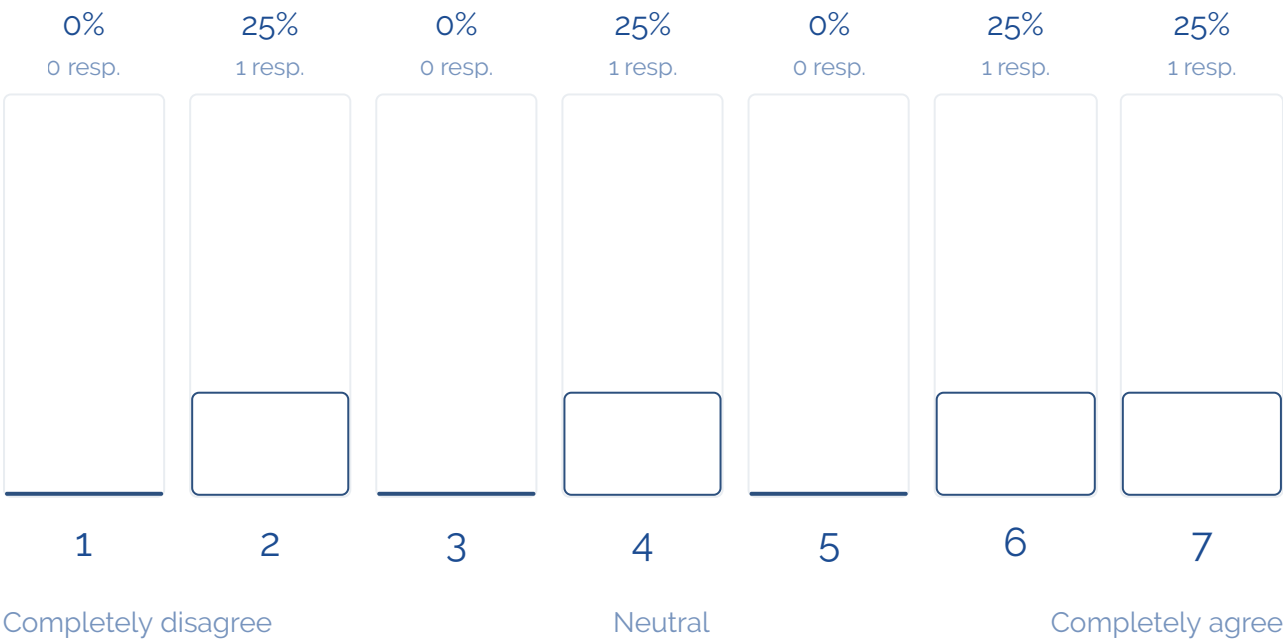
4.0 Average rating



The laboratory environment that prior research has been conducted in has been checked for reproducibility issues when I evaluate a project's chance of success.

4 out of 41 answered

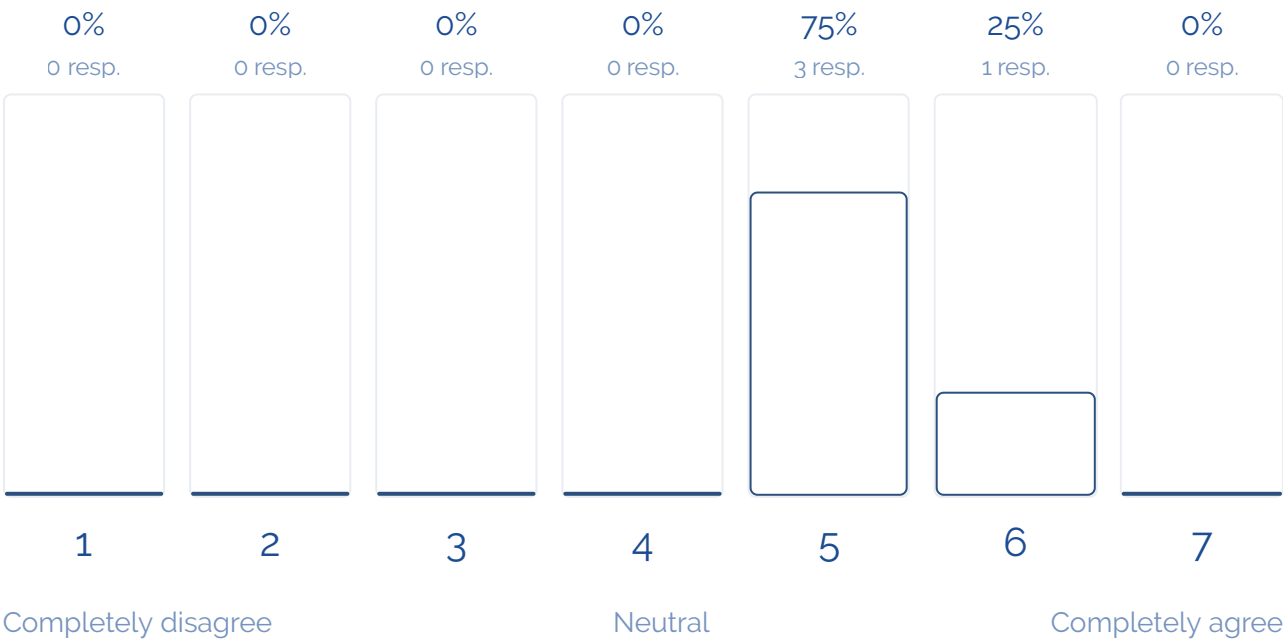
4.8 Average rating



I ask scientists in the relevant field to help evaluate prior research when I evaluate a project's chance of success.

4 out of 41 answered

5.2 Average rating



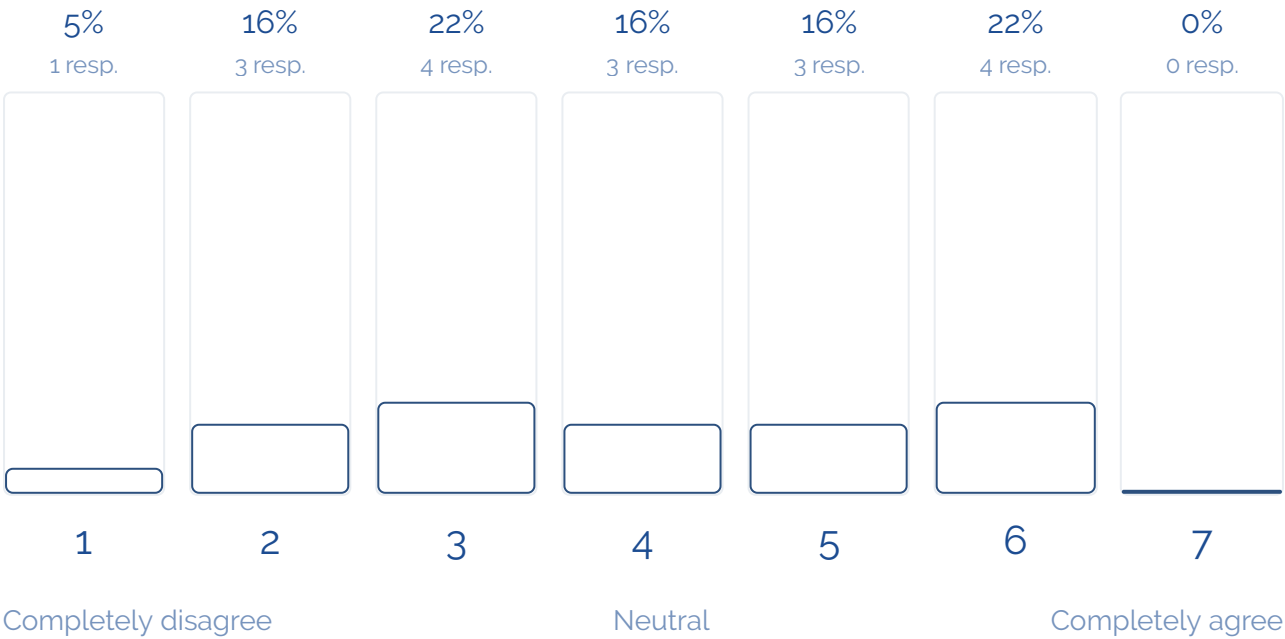




Papers I peer review generally **only reference other publications that are completely relevant to the research I am reviewing.**

18 out of 41 answered

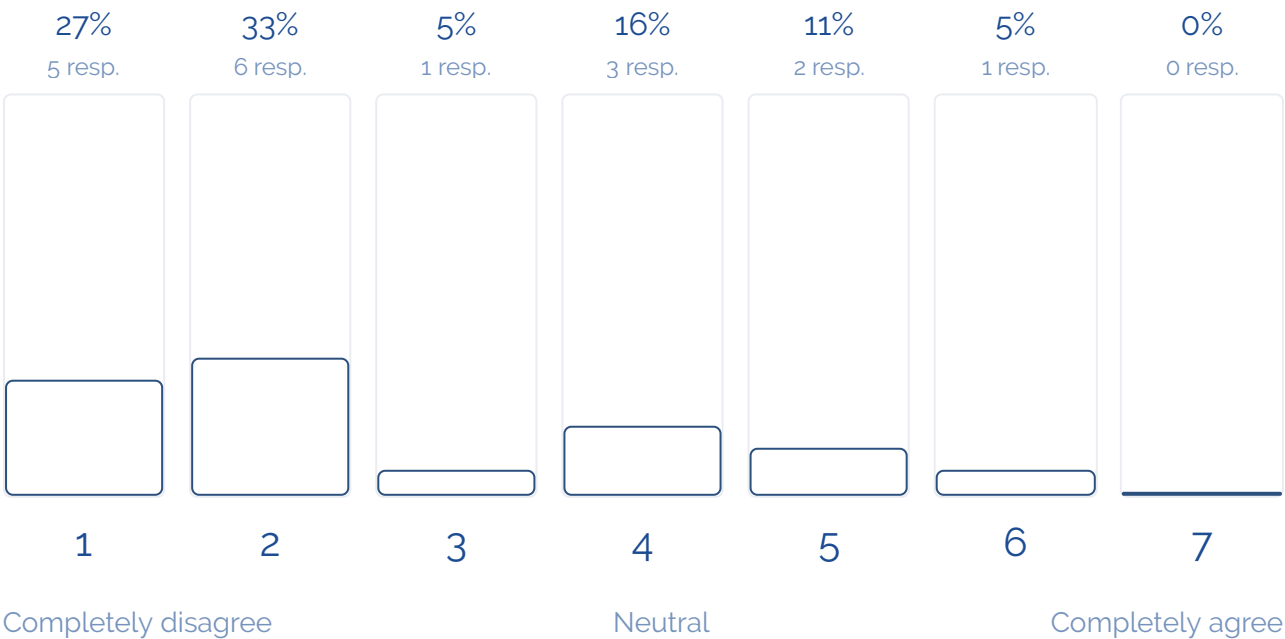
3.9 Average rating



Papers I peer review are generally accompanied by **a copy of the raw data in a generally accepted format.**

18 out of 41 answered

2.7 Average rating

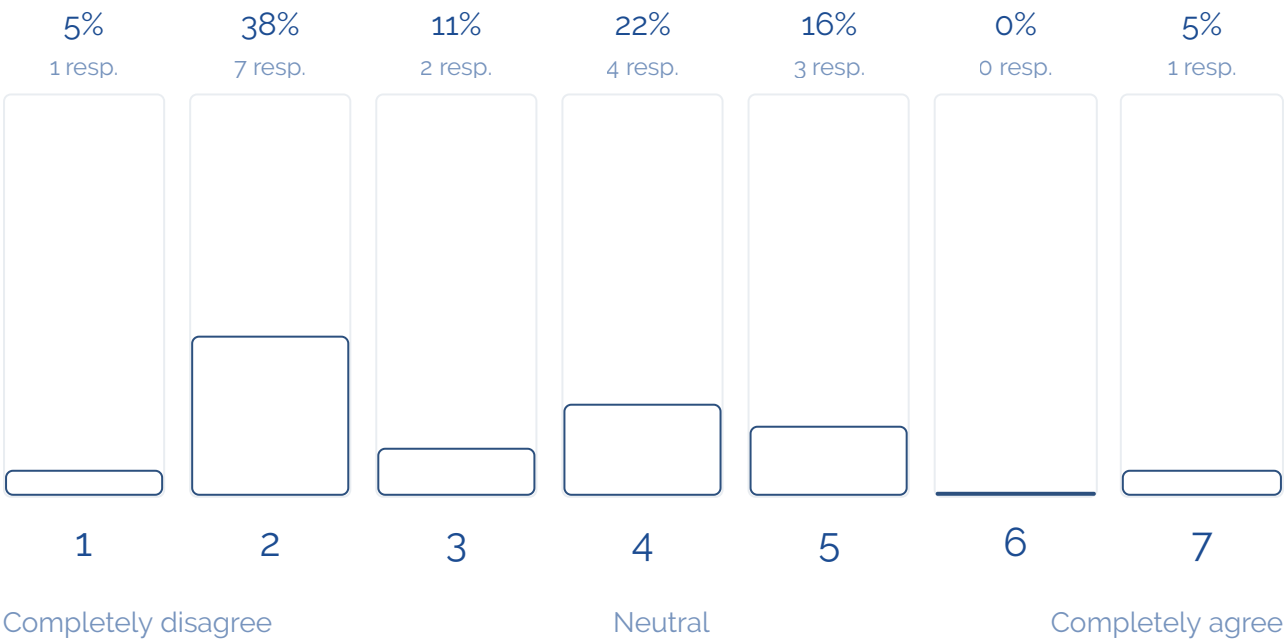


18 out of 41 answered

Papers I peer review is generally **accompanied by a good explanation for why specific data points were excluded from the raw data.**

18 out of 41 answered

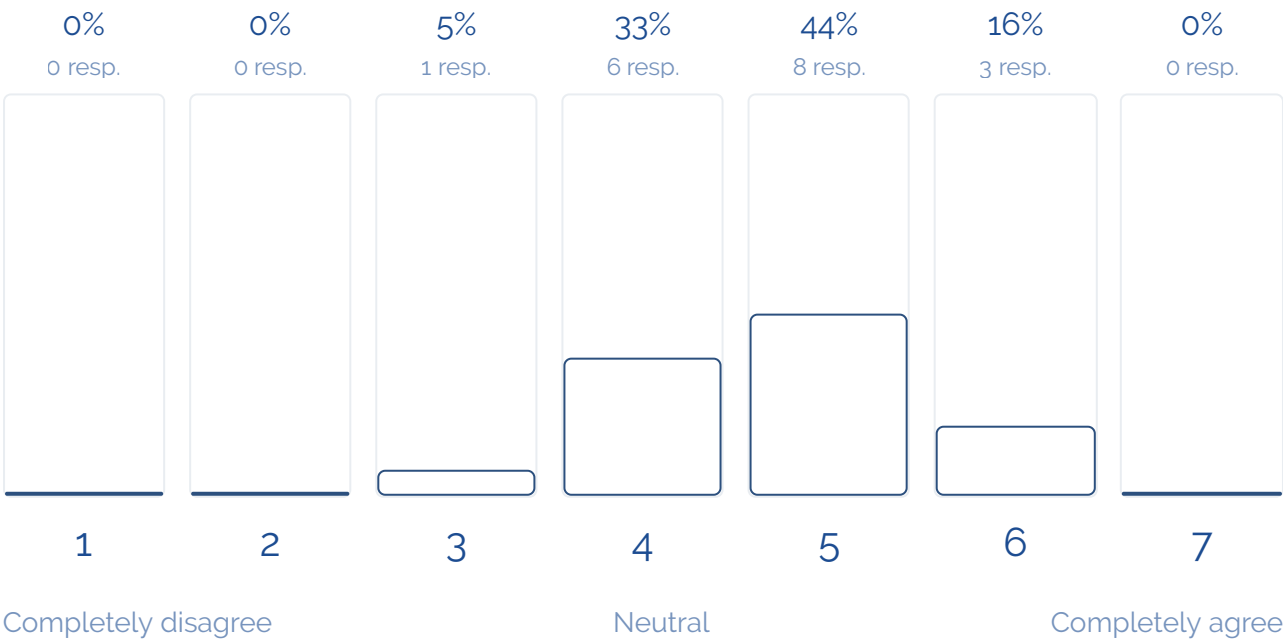
### 3.3 Average rating



Papers I peer review is generally **draw logical conclusions from the available data.**

18 out of 41 answered

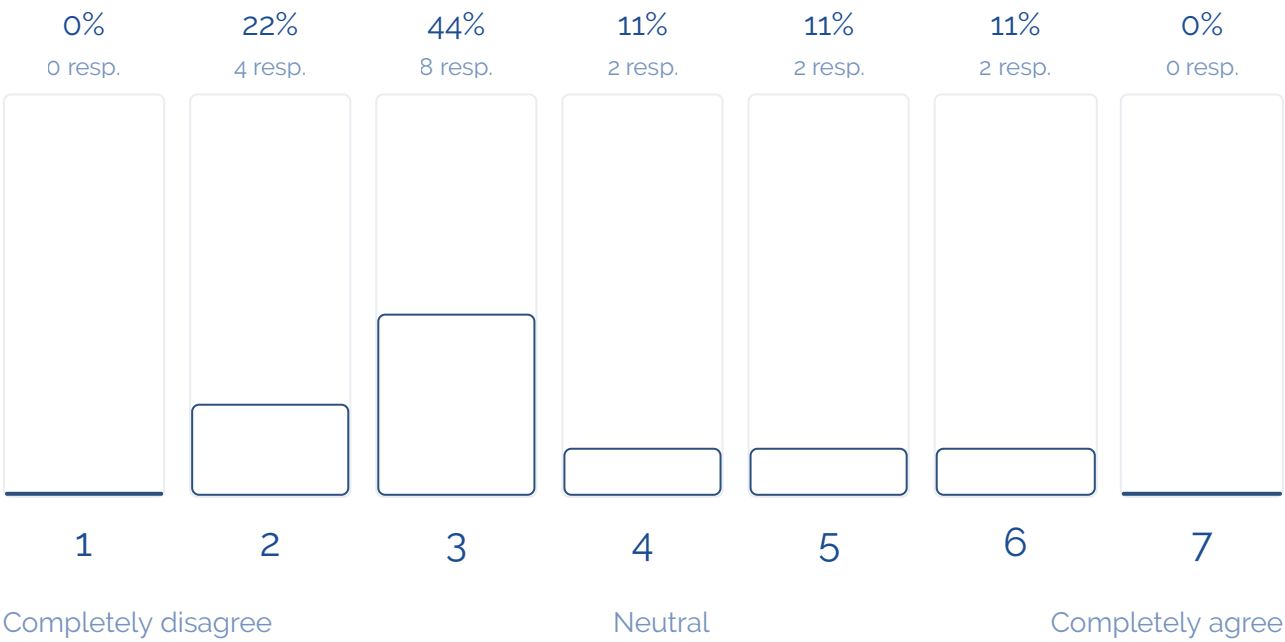
4.7 Average rating



Papers I peer review are **generally realistic about the potential applications and limitations of a discovery when discussing them.**

18 out of 41 answered

### 3.4 Average rating



Papers I peer review generally **make any code that is used for extrapolating data or generating results publicly available.**

18 out of 41 answered

3.5 Average rating

