

Collaborator demographics and expertise survey

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Age, gender, race/ethnicity, neurotype of collaborators

```
grp_form |>
  select(age, gender, ethnicity, neurotype) |>
  skim()
```

Table 1: Data summary

Name	select(grp_form, age, gen...
Number of rows	19
Number of columns	4
Column type frequency:	
character	3
numeric	1
Group variables	None

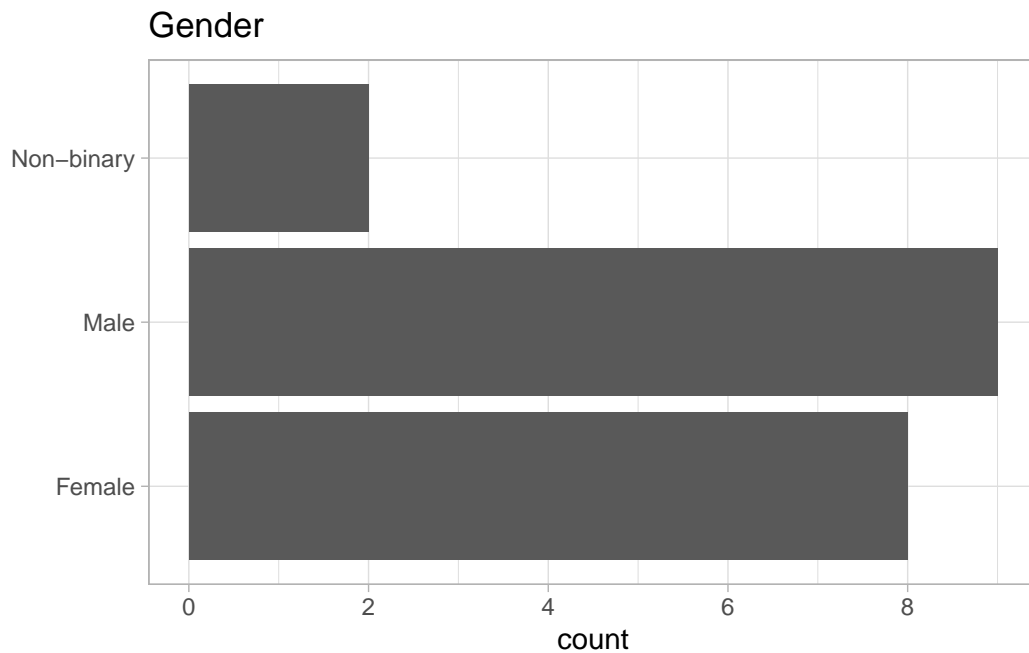
Variable type: character

skim_variable	n_missing	complete_rate	min	max	empty	n_unique	whitespace
gender	0	1.00	4	10	0	3	0
ethnicity	1	0.95	5	19	0	6	0
neurotype	0	1.00	4	60	0	4	0

Variable type: numeric

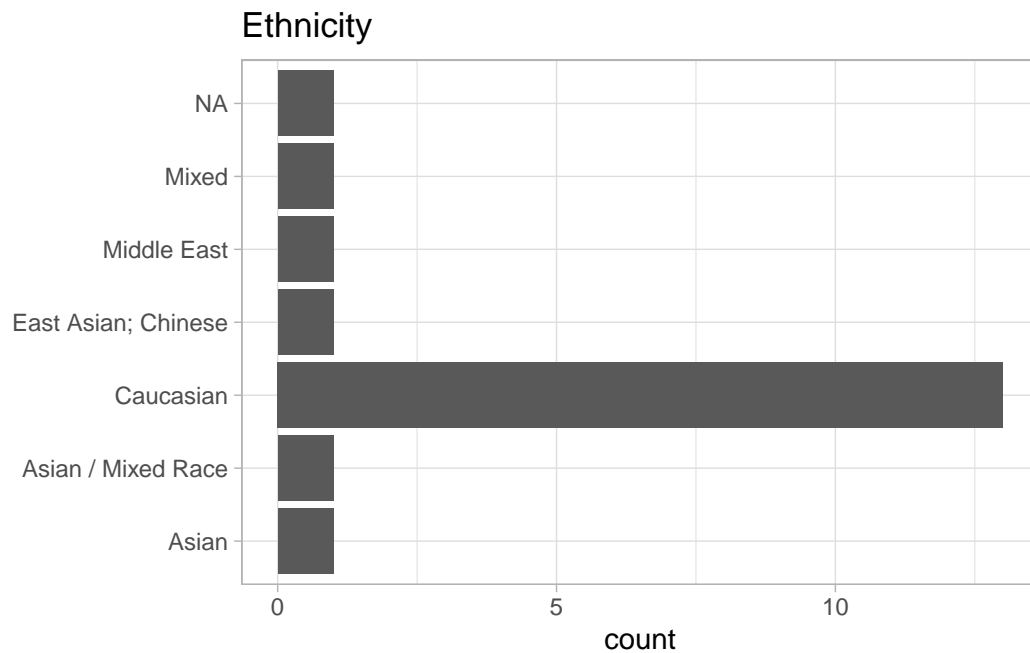
skim_variable	n_missing	complete_rate	mean	sd	p0	p25	p50	p75	p100	hist
age	2	0.89	34.41	4.78	26	32	34	38	43	

```
qrp_form |>
  ggplot() +
  aes(y = gender) +
  geom_bar() +
  scale_x_continuous(breaks = scales::pretty_breaks()) +
  labs(title = "Gender", y = NULL)
```

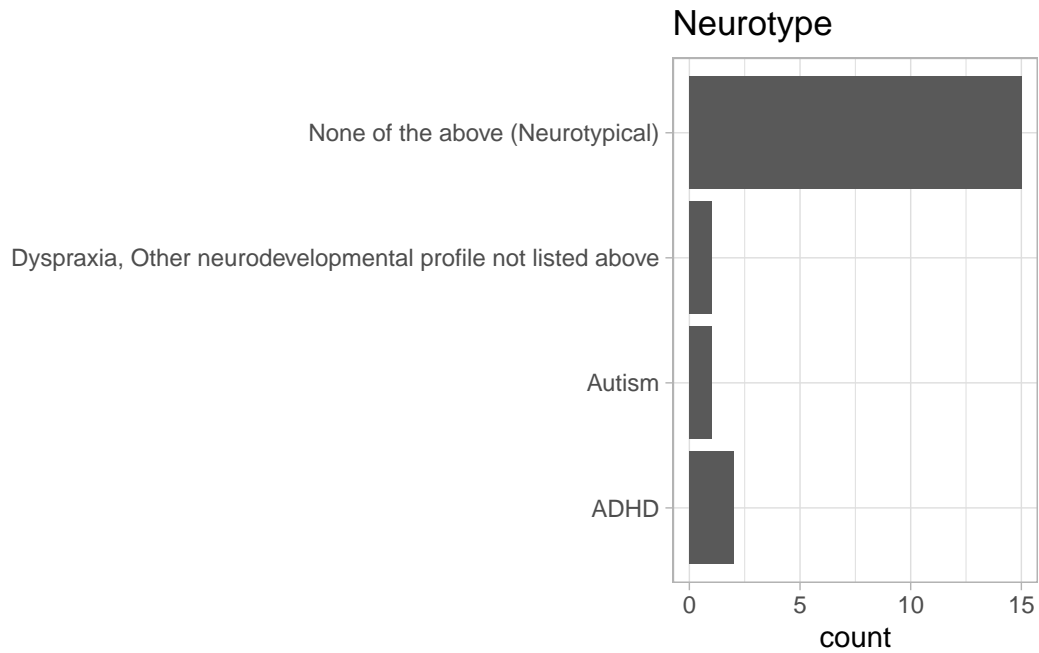


```
qrp_form |>
  ggplot() +
  aes(y = ethnicity) +
```

```
geom_bar() +
scale_x_continuous(breaks = scales::pretty_breaks()) +
labs(title = "Ethnicity", y = NULL)
```

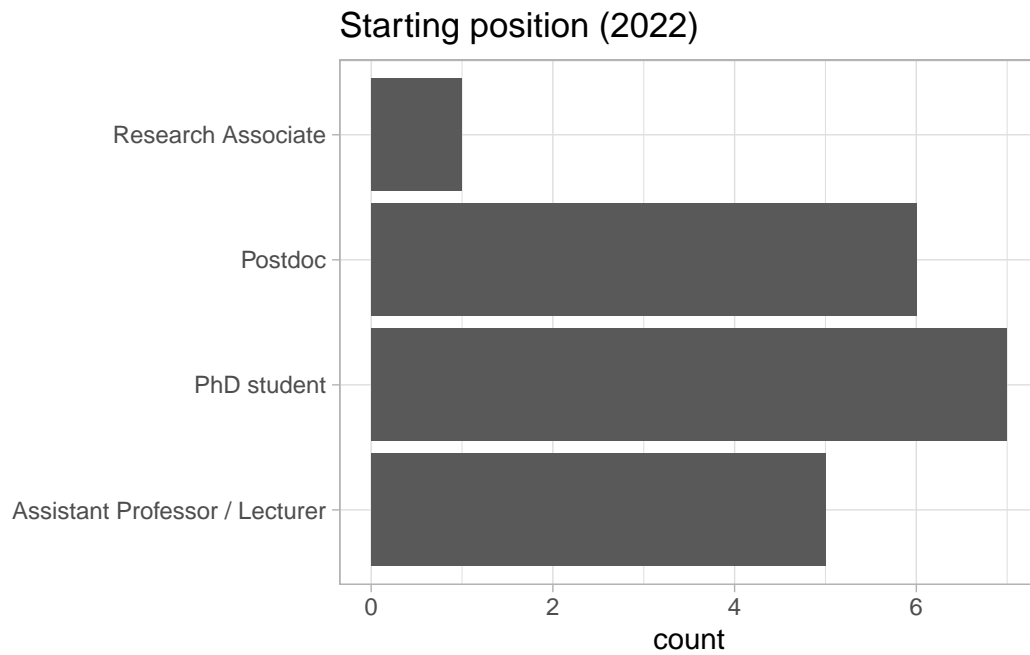


```
qrp_form |>
# select(id, neurotype) |>
# separate_rows(neurotype, sep = ", ") |>
ggplot() +
aes(y = neurotype) +
geom_bar() +
scale_x_continuous(breaks = scales::pretty_breaks()) +
labs(title = "Neurotype", y = NULL)
```

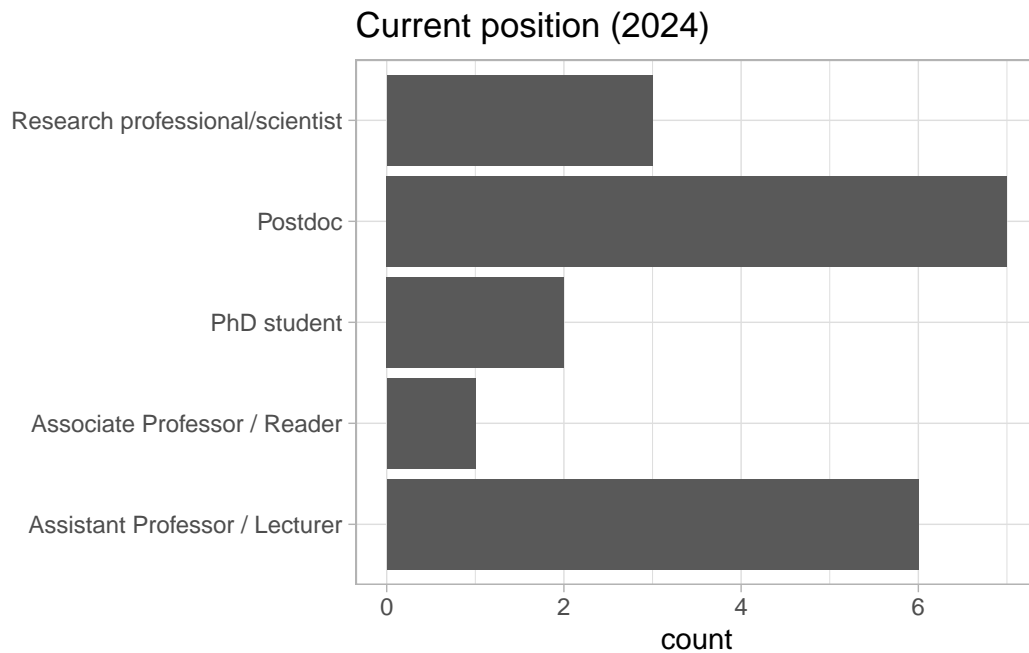


Position in 2022 and now

```
qrp_form |>
  ggplot() +
  aes(y = start_position) +
  geom_bar() +
  scale_x_continuous(breaks = scales::pretty_breaks()) +
  labs(title = "Starting position (2022)", y = NULL)
```



```
qrp_form |>
  ggplot() +
  aes(y = current_position) +
  geom_bar() +
  scale_x_continuous(breaks = scales::pretty_breaks()) +
  labs(title = "Current position (2024)", y = NULL)
```



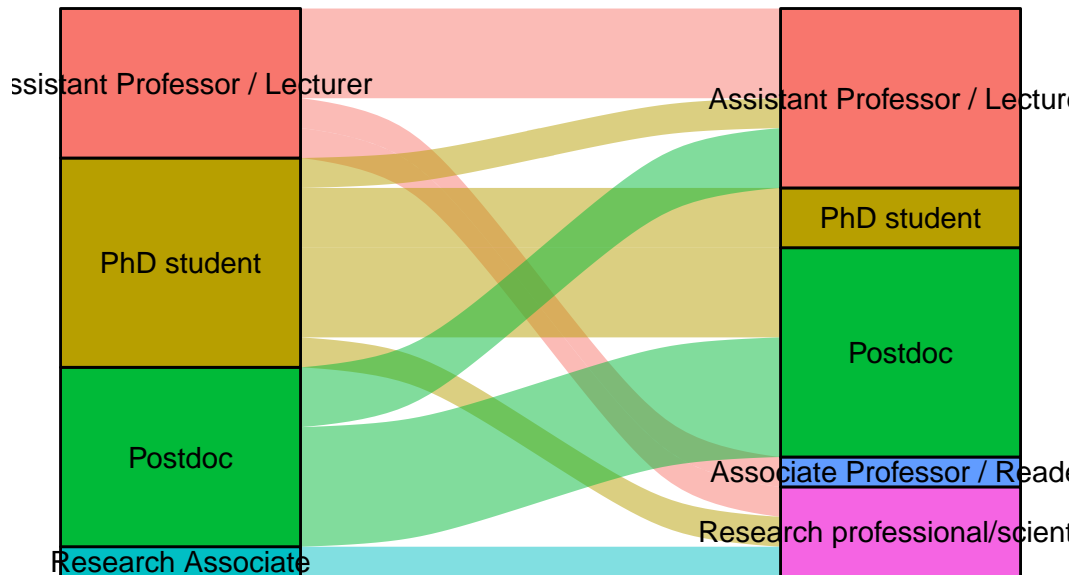
```

grp_form |>
  select(id, start_position, current_position) |>
  ggplot() +
  aes(axis1 = start_position, axis2 = current_position, label = after_stat(stratum), fill = a
  geom_flow(aes(fill = start_position), show.legend = FALSE) +
  geom_stratum(show.legend = FALSE) +
  geom_text(stat = "stratum") +
  labs(title = "Changes in positions from start to end of project") +
  theme_void()

```

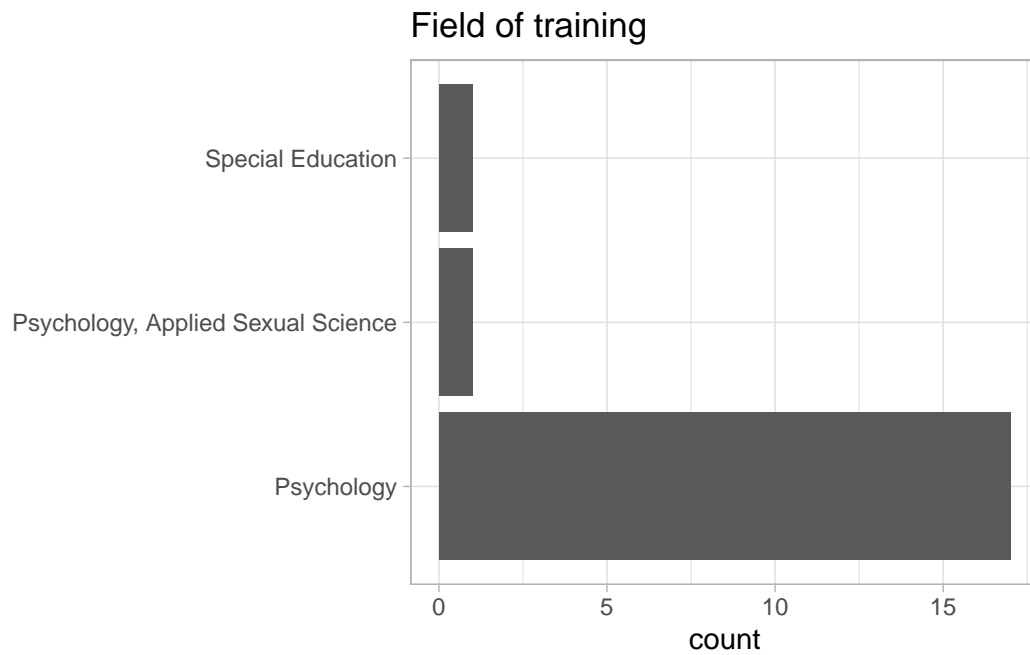
Warning in to_lodes_form(data = data, axes = axis_ind, discern =
 params\$discern): Some strata appear at multiple axes.
 Warning in to_lodes_form(data = data, axes = axis_ind, discern =
 params\$discern): Some strata appear at multiple axes.
 Warning in to_lodes_form(data = data, axes = axis_ind, discern =
 params\$discern): Some strata appear at multiple axes.

Changes in positions from start to end of project



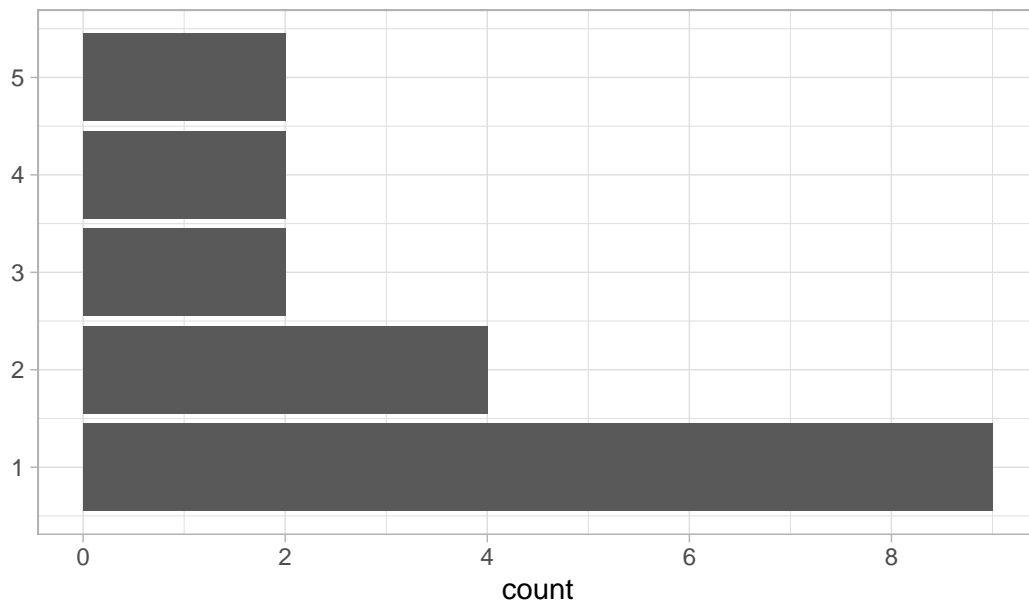
Field of training and research. Research age, meta-research age, SIPS attended

```
qrp_form |>
  ggplot() +
  aes(y = training_field) +
  geom_bar() +
  scale_x_continuous(breaks = scales::pretty_breaks()) +
  labs(title = "Field of training", y = NULL)
```



```
qrp_form |>
  ggplot() +
  aes(y = no_sips) +
  geom_bar() +
  scale_x_continuous(breaks = scales::pretty_breaks()) +
  labs(title = "Number of SIPS attended until 2022", y = NULL)
```


Number of SIPS attended until 2022



```
grp_form |>
  select(research_age, metaresearch_age) |>
  skim()
```

Table 4: Data summary

Name	select(grp_form, research...
Number of rows	19
Number of columns	2
Column type frequency:	
numeric	2
Group variables	
None	

Variable type: numeric

skim_variable	n_missing	complete_rate	mean	sd	p0	p25	p50	p75	p100	hist
research_age	0	1	8.84	4.02	2	5.5	9	11	16	
metaresearch_age	0	1	5.16	2.83	2	3.0	4	6	12	

Research output: no. of publications, publication age, h-index,

```
qrp_form |>
  select(publication_age, publications, h_index) |>
  skim()
```

Table 6: Data summary

Name	select(qrp_form, publicat...
Number of rows	19
Number of columns	3
Column type frequency:	
numeric	3
Group variables	
None	

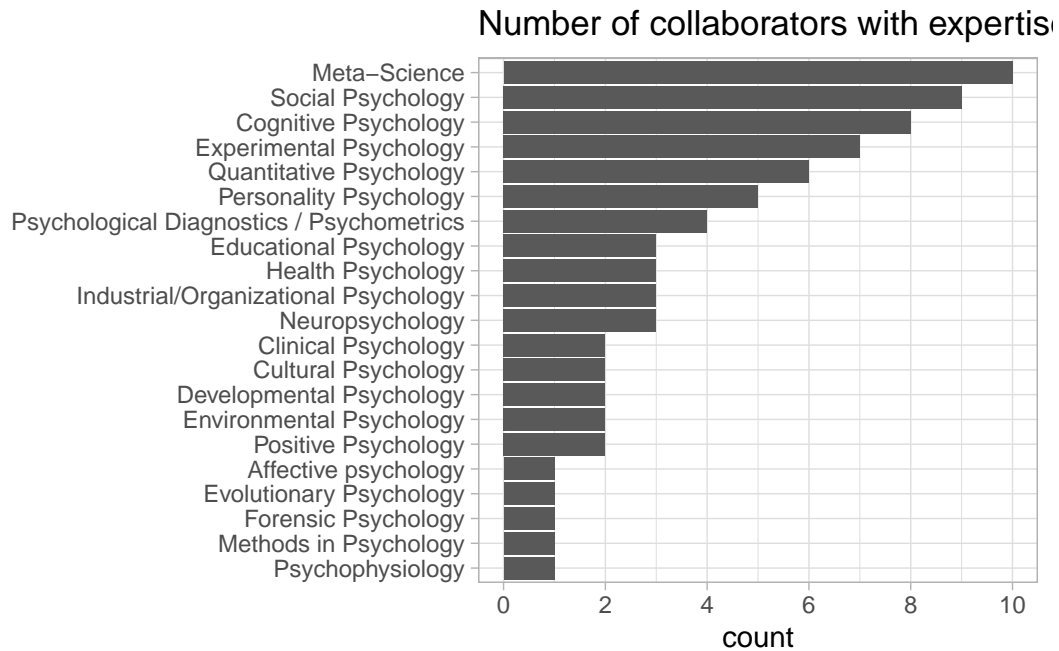
Variable type: numeric

skim_variable	n_missing	complete_rate	mean	sd	p0	p25	p50	p75	p100	hist
publication_age	1	0.95	6.56	4.18	0	3.25	6.0	9.75	14	
publications	0	1.00	25.74	33.59	2	5.50	14.0	27.00	137	
h_index	1	0.95	10.50	10.42	2	3.25	6.5	15.00	42	

Field of interest, methods used

```
fields_long <-
  qrp_form |>
  select(id, research_fields) |>
  separate_rows(research_fields, sep = ", ")

fields_long |>
  ggplot() +
  aes(y = fct_rev(fct_infreq(research_fields))) +
  geom_bar() +
  scale_x_continuous(breaks = scales::pretty_breaks()) +
  labs(y = NULL, title = "Number of collaborators with expertise in a specific field")
```



```
methods_long <-
  qrp_form |>
  select(id, research_methods) |>
  separate_rows(research_methods, sep = ", ")

methods_long |>
  ggplot() +
  aes(y = fct_rev(fct_infreq(research_methods))) +
  geom_bar() +
  scale_x_continuous(breaks = scales::pretty_breaks()) +
  labs(y = NULL, title = "Number of collaborators with expertise in a specific method")
```

