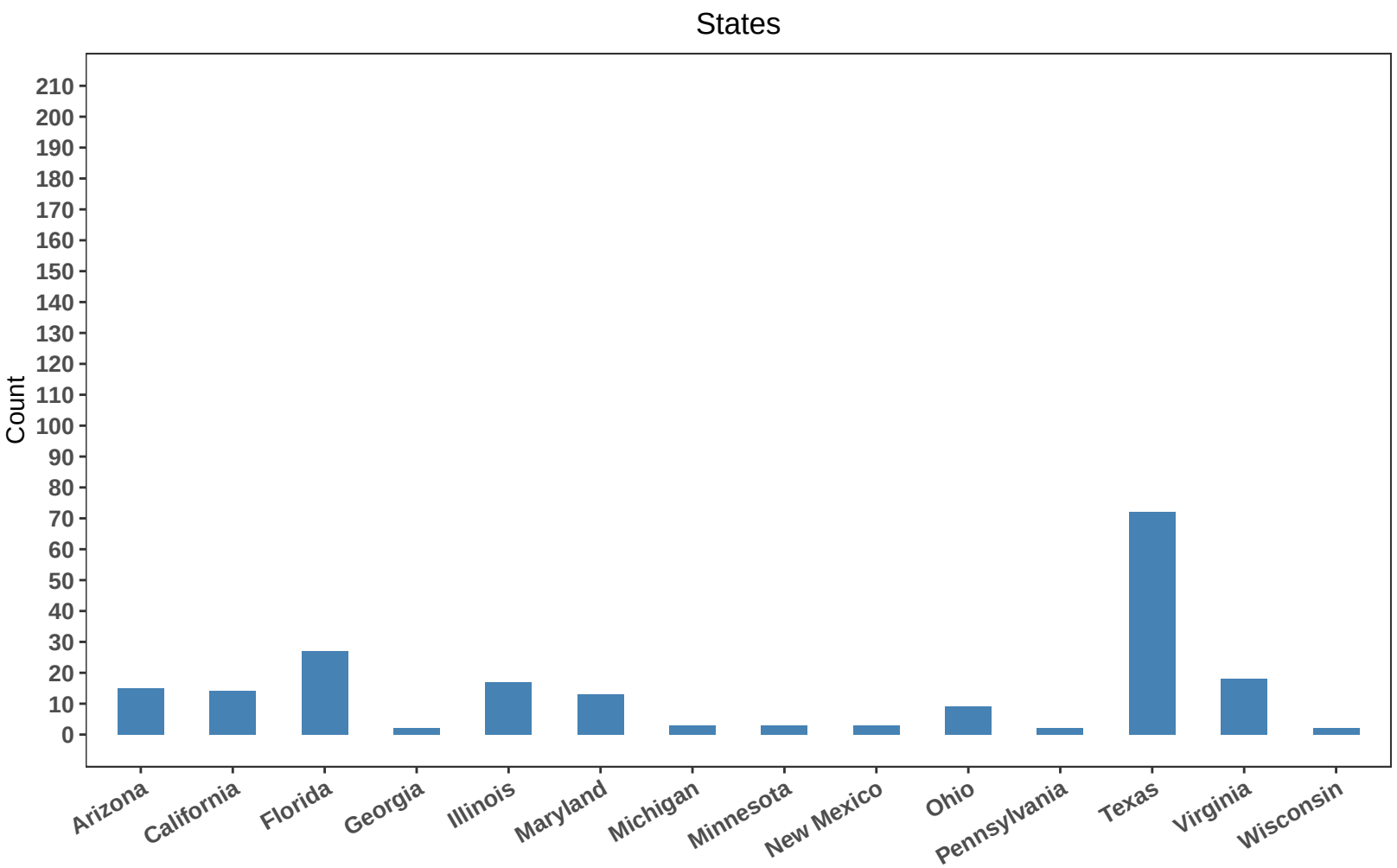
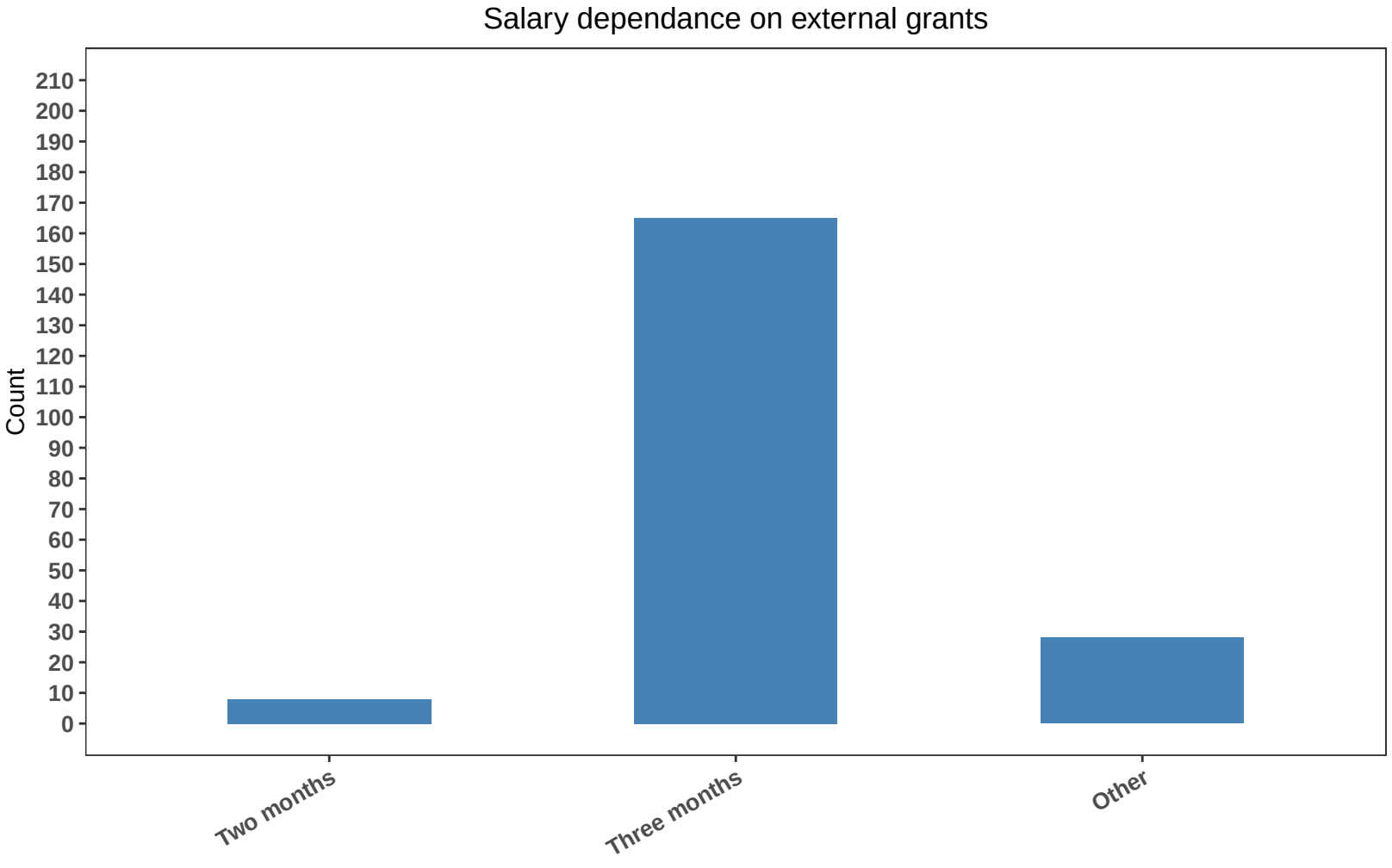
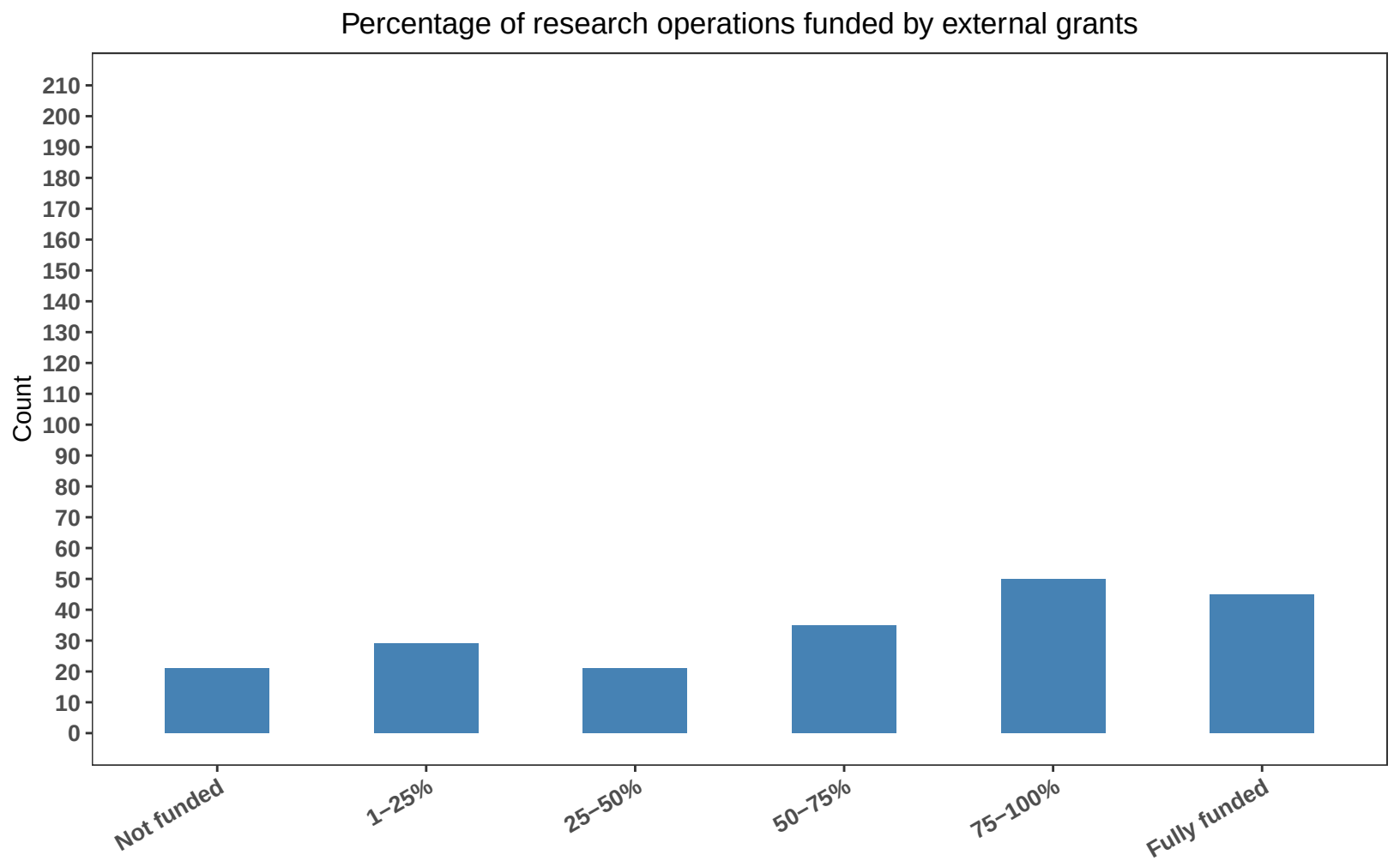
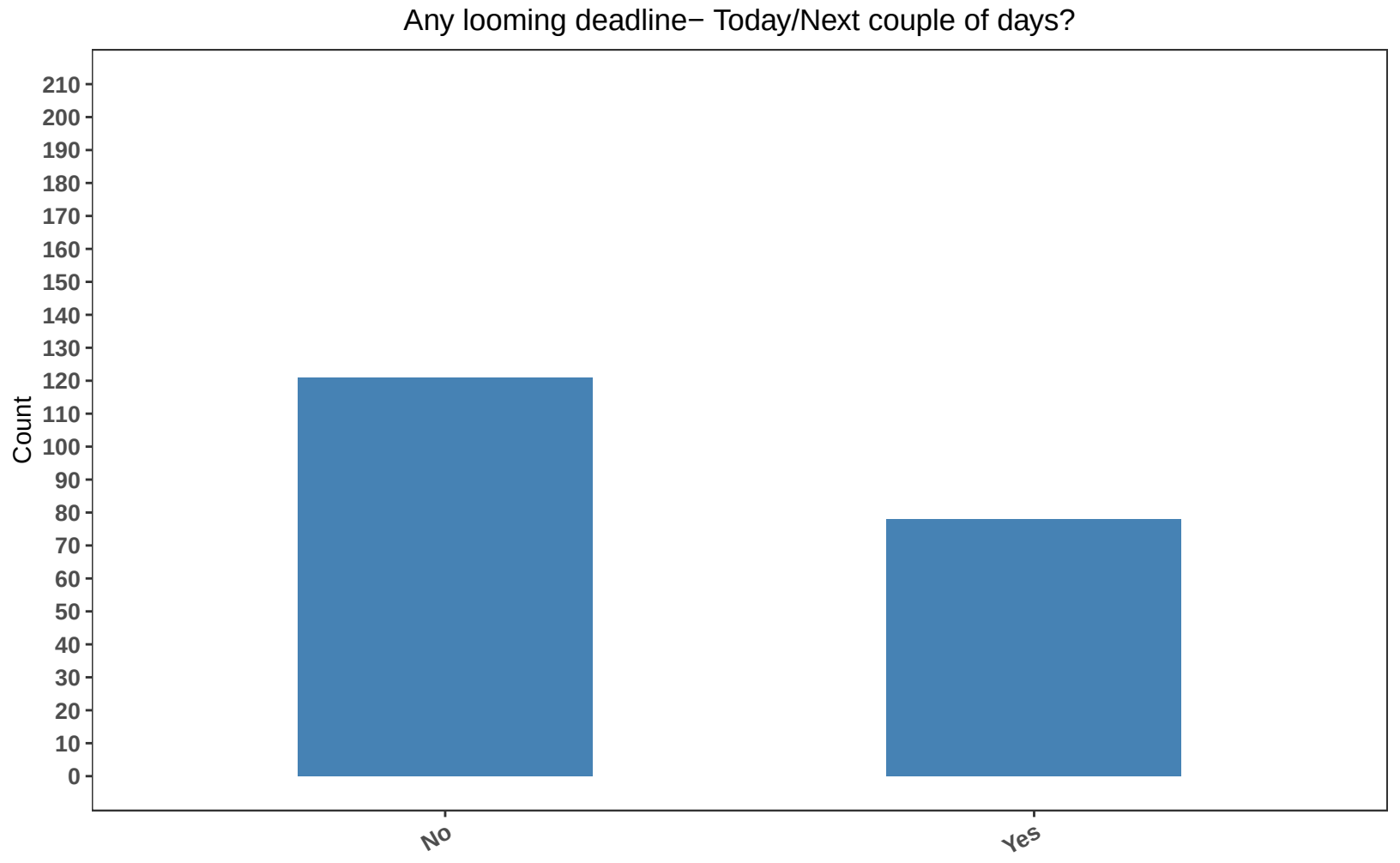
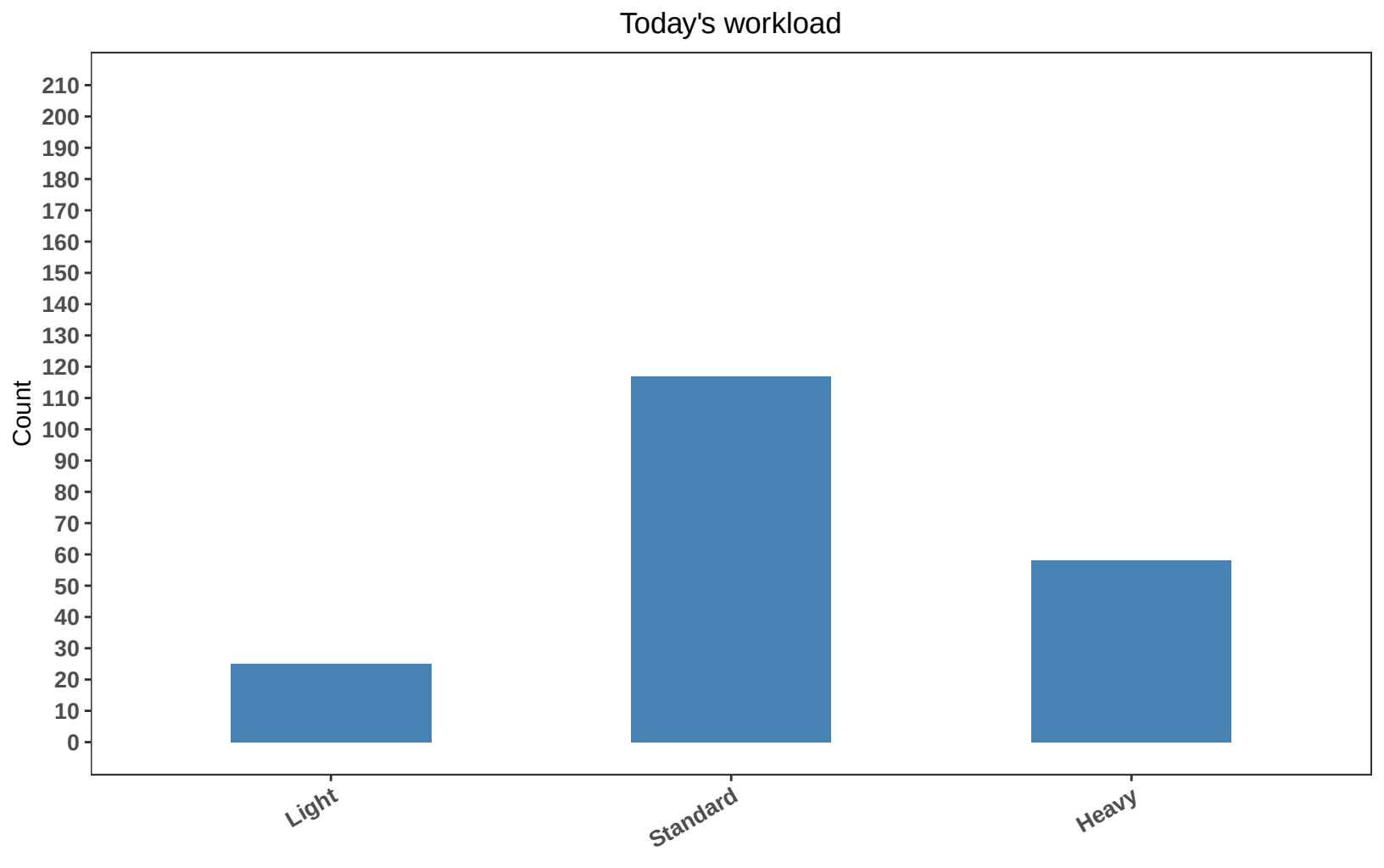
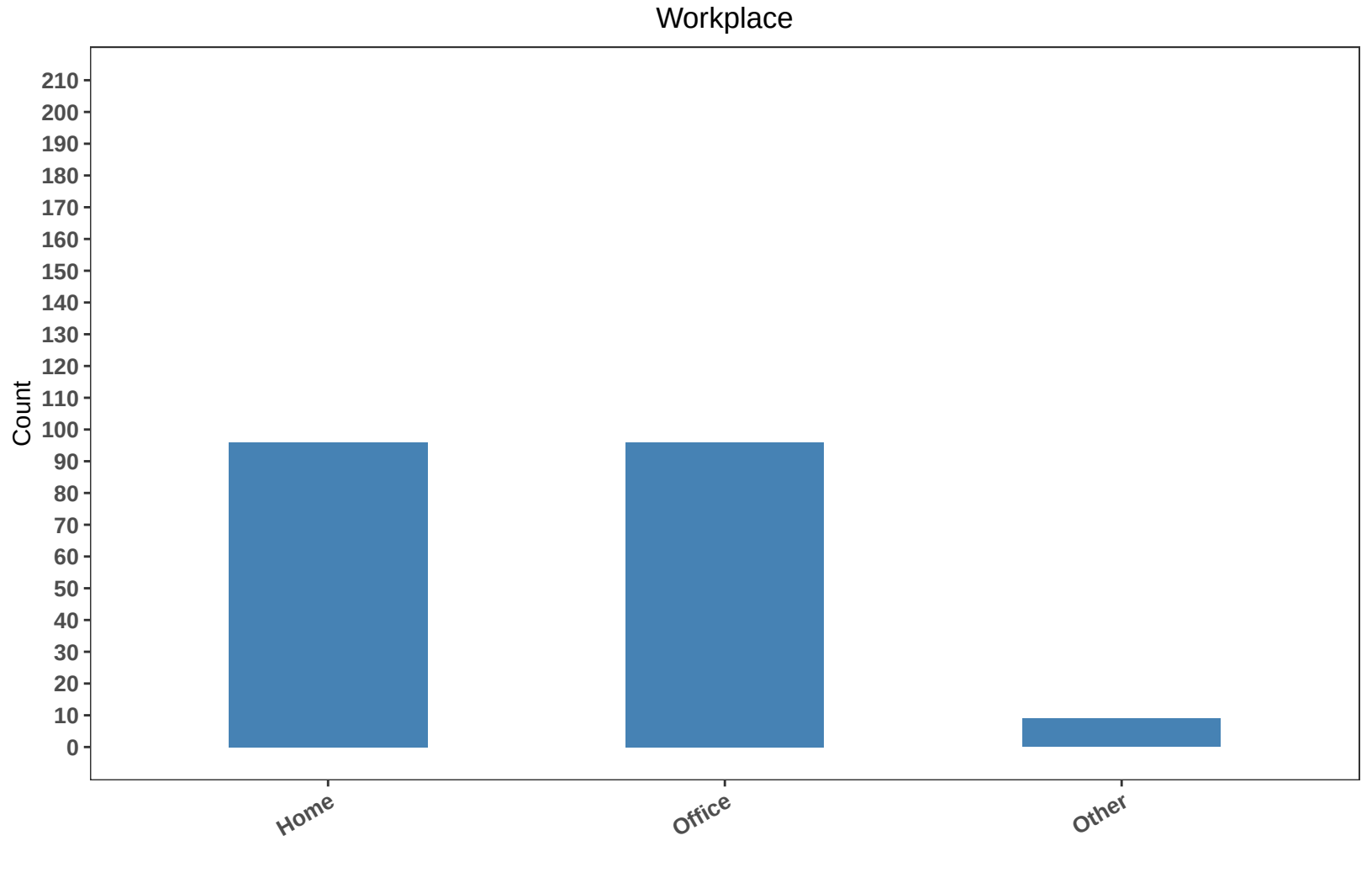

States
Count
210
200
190
180
170
160
150
140
130
120
110
100
90
80
70
60
50
40
30
20
10
0
Arizona
California
Florida
Georgia
Illinois
Maryland
Michigan
Minnesota
New Mexico
Ohio
Pennsylvania
Texas
Virginia
Wisconsin

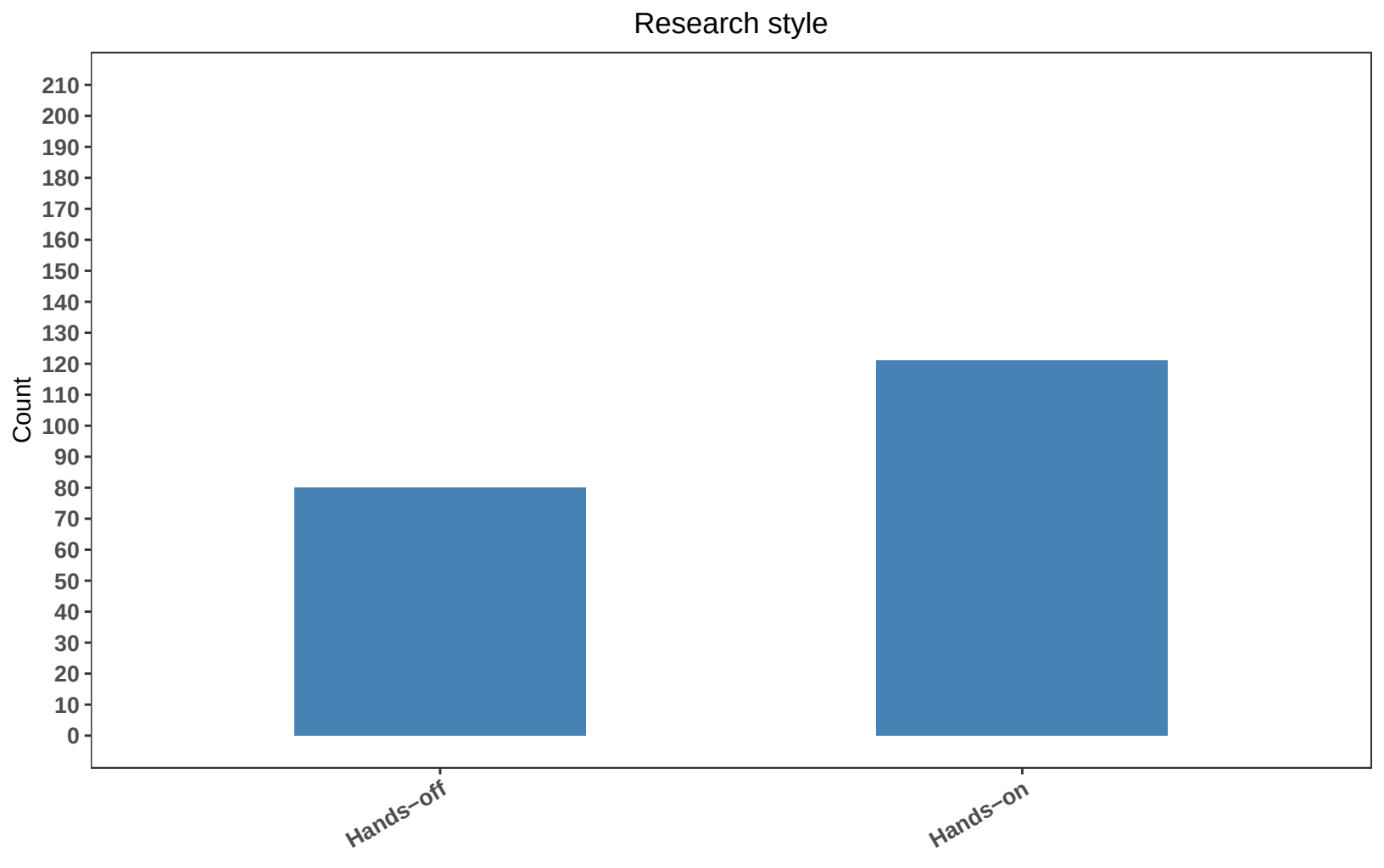

Salary dependance on external grants
Count
210
200
190
180
170
160
150
140
130
120
110
100
90
80
70
60
50
40
30
20
10
0
Two months
Three months
Other

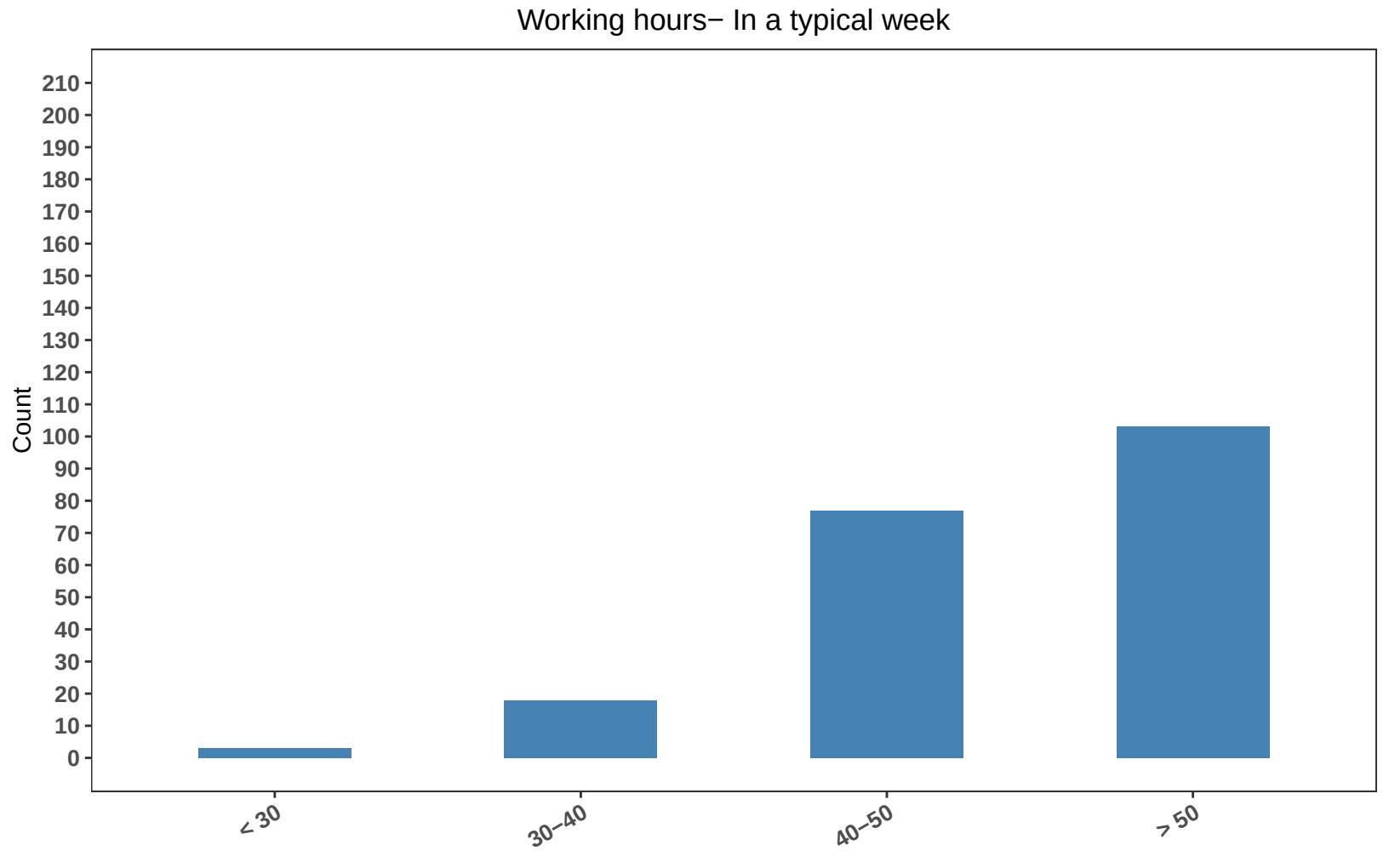

Percentage of research operations funded by external grants
Count
210
200
190
180
170
160
150
140
130
120
110
100
90
80
70
60
50
40
30
20
10
0
Not funded
1–25%
25–50%
50–75%
75–100%
Fully funded


Any looming deadline− Today/Next couple of days?
Count
210
200
190
180
170
160
150
140
130
120
110
100
90
80
70
60
50
40
30
20
10
0
No
Yes

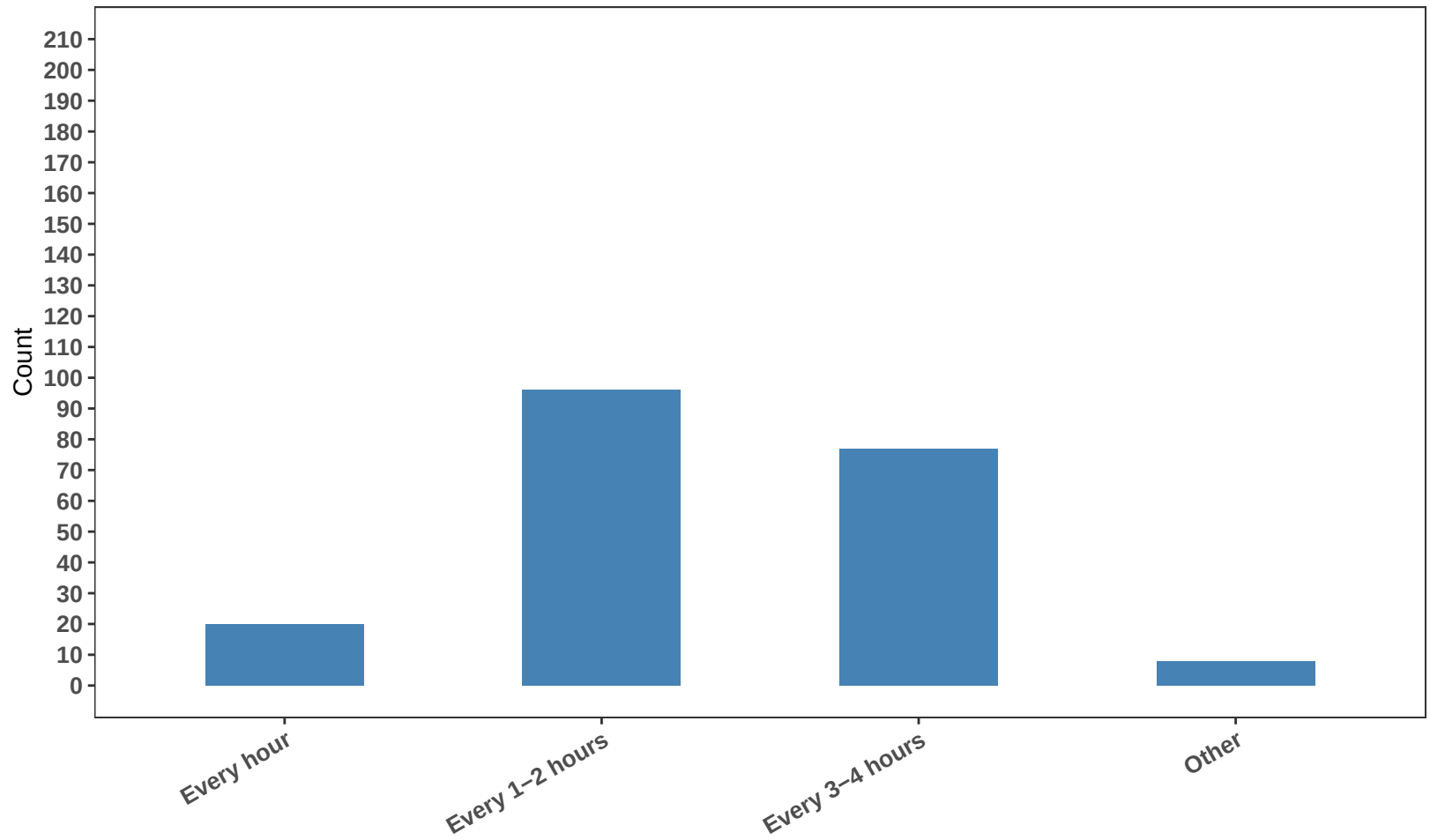

Today's workload
Count
210
200
190
180
170
160
150
140
130
120
110
100
90
80
70
60
50
40
30
20
10
0
Light
Standard
Heavy


Workplace
Count
210
200
190
180
170
160
150
140
130
120
110
100
90
80
70
60
50
40
30
20
10
0
Home
Office
Other

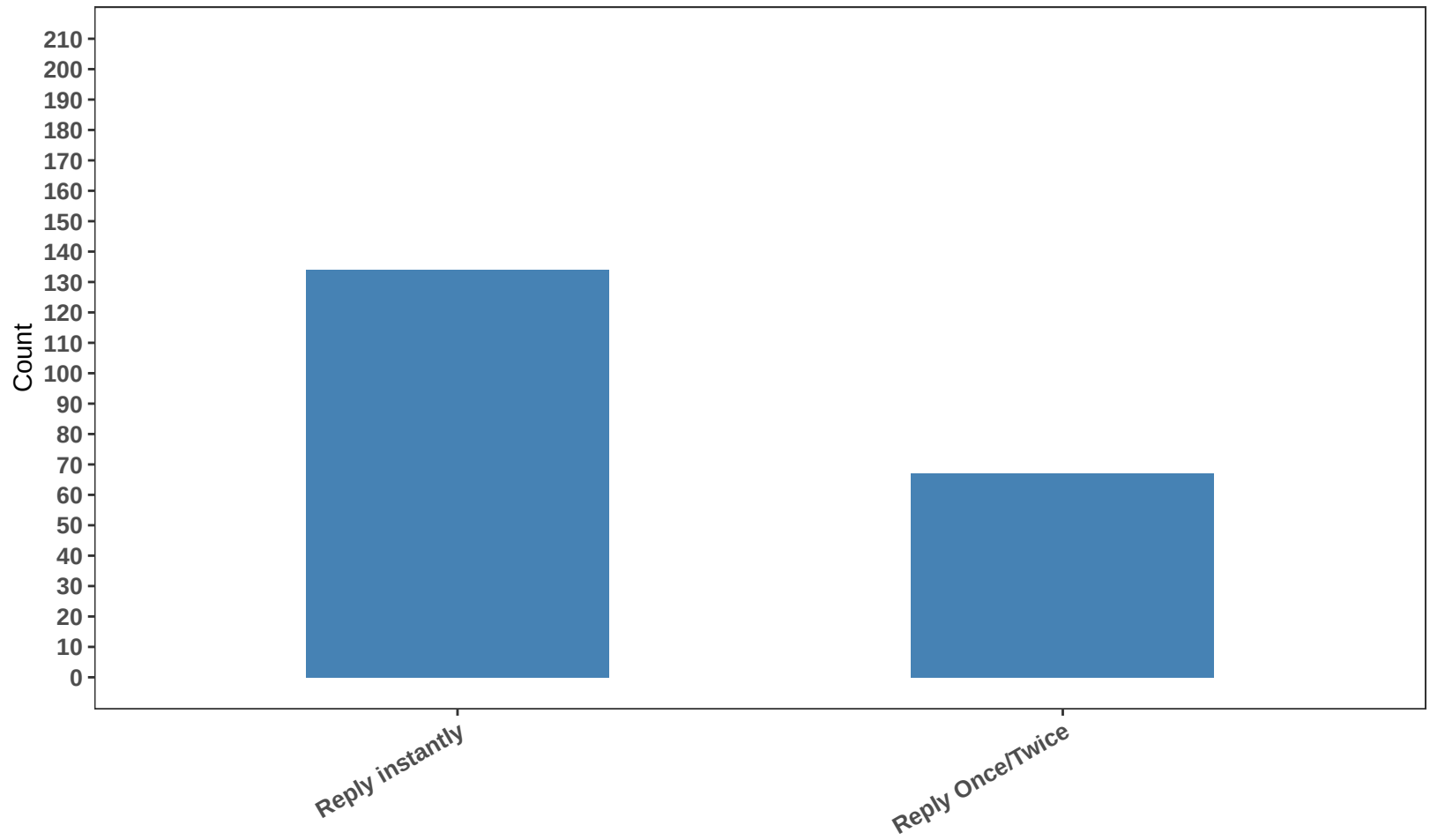

Research style
Count
210
200
190
180
170
160
150
140
130
120
110
100
90
80
70
60
50
40
30
20
10
0
Hands−off
Hands−on

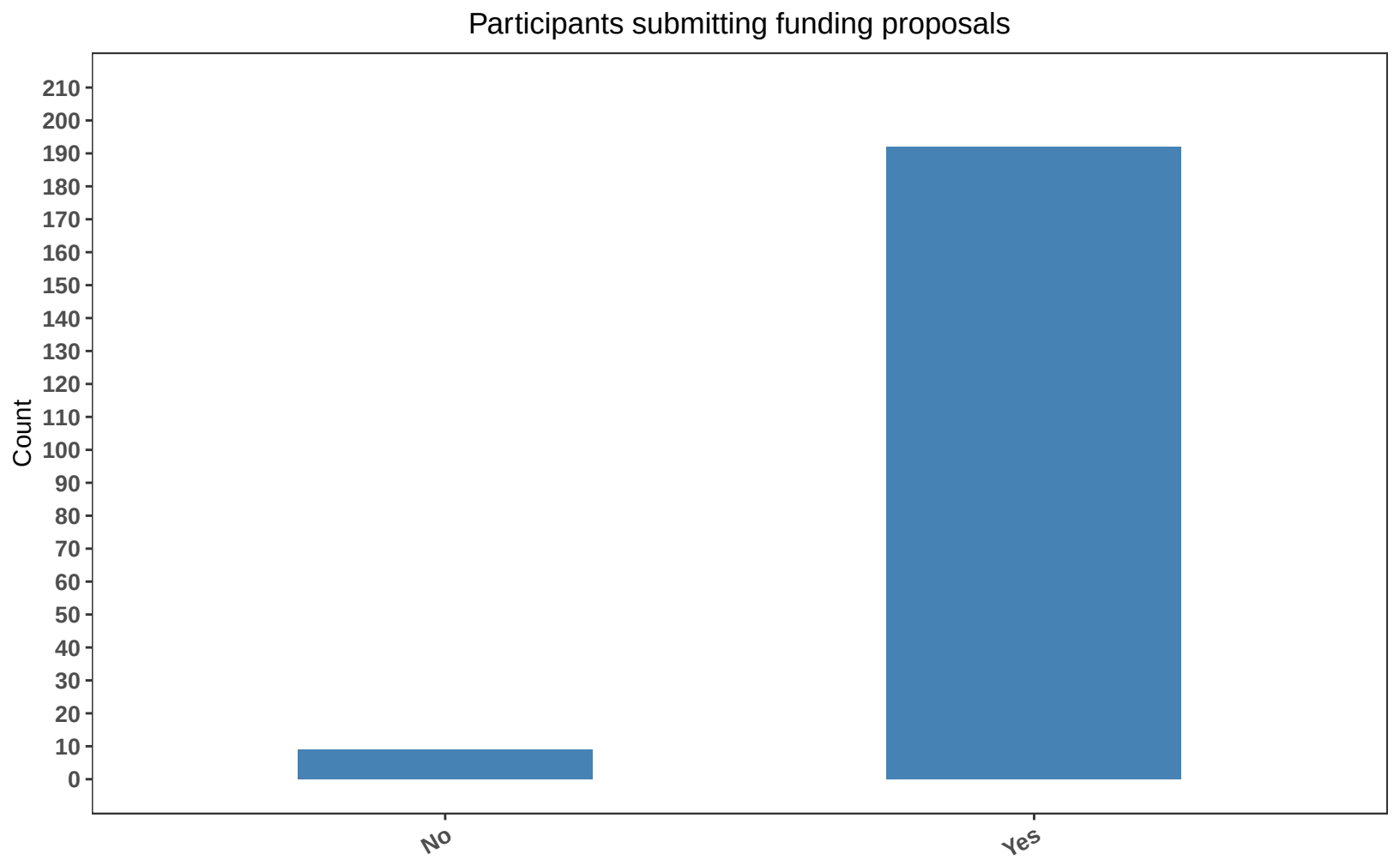

Working hours− In a typical week
Count
210
200
190
180
170
160
150
140
130
120
110
100
90
80
70
60
50
40
30
20
10
0
< 30
30−40
40−50
> 50

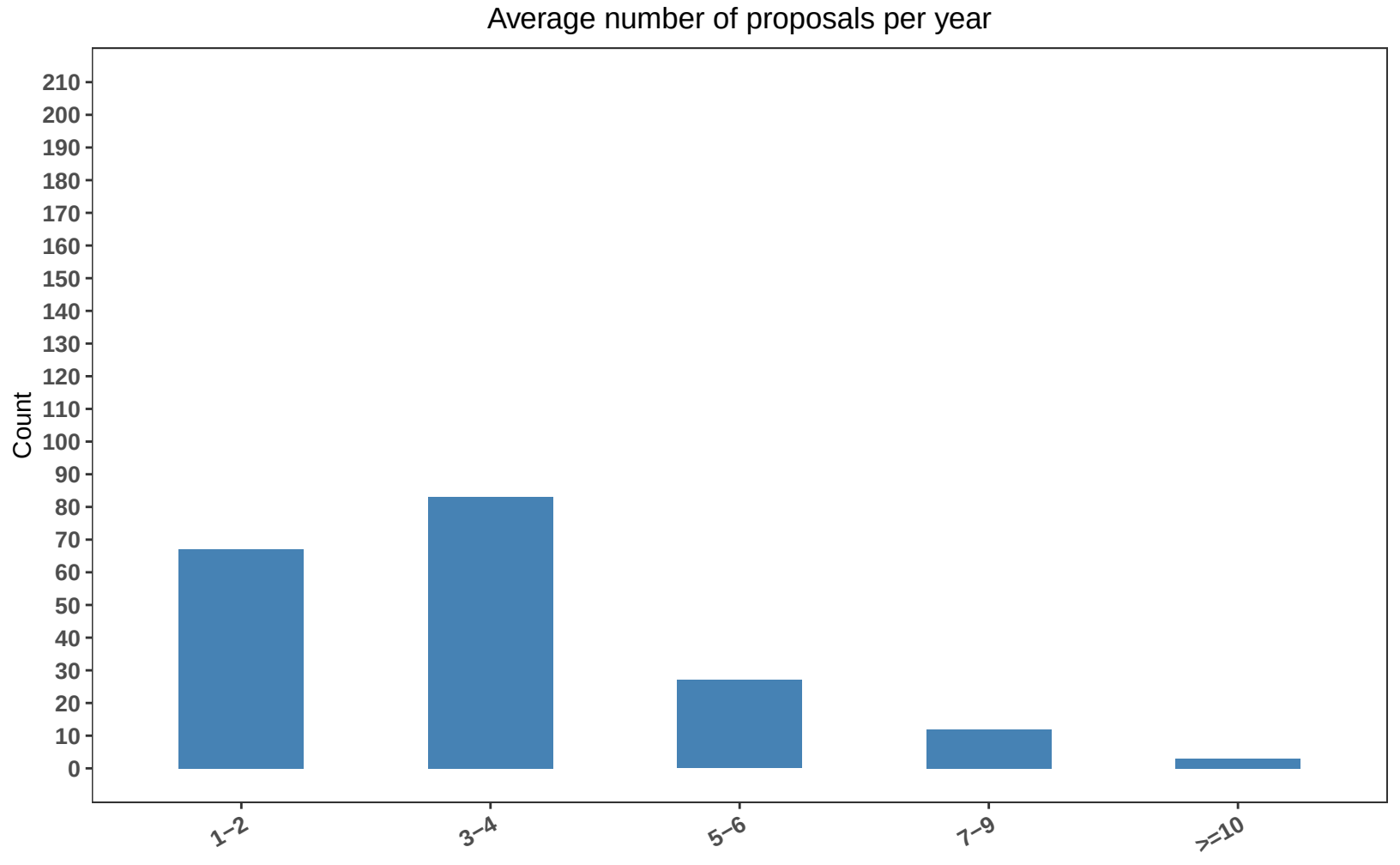
Break frequency

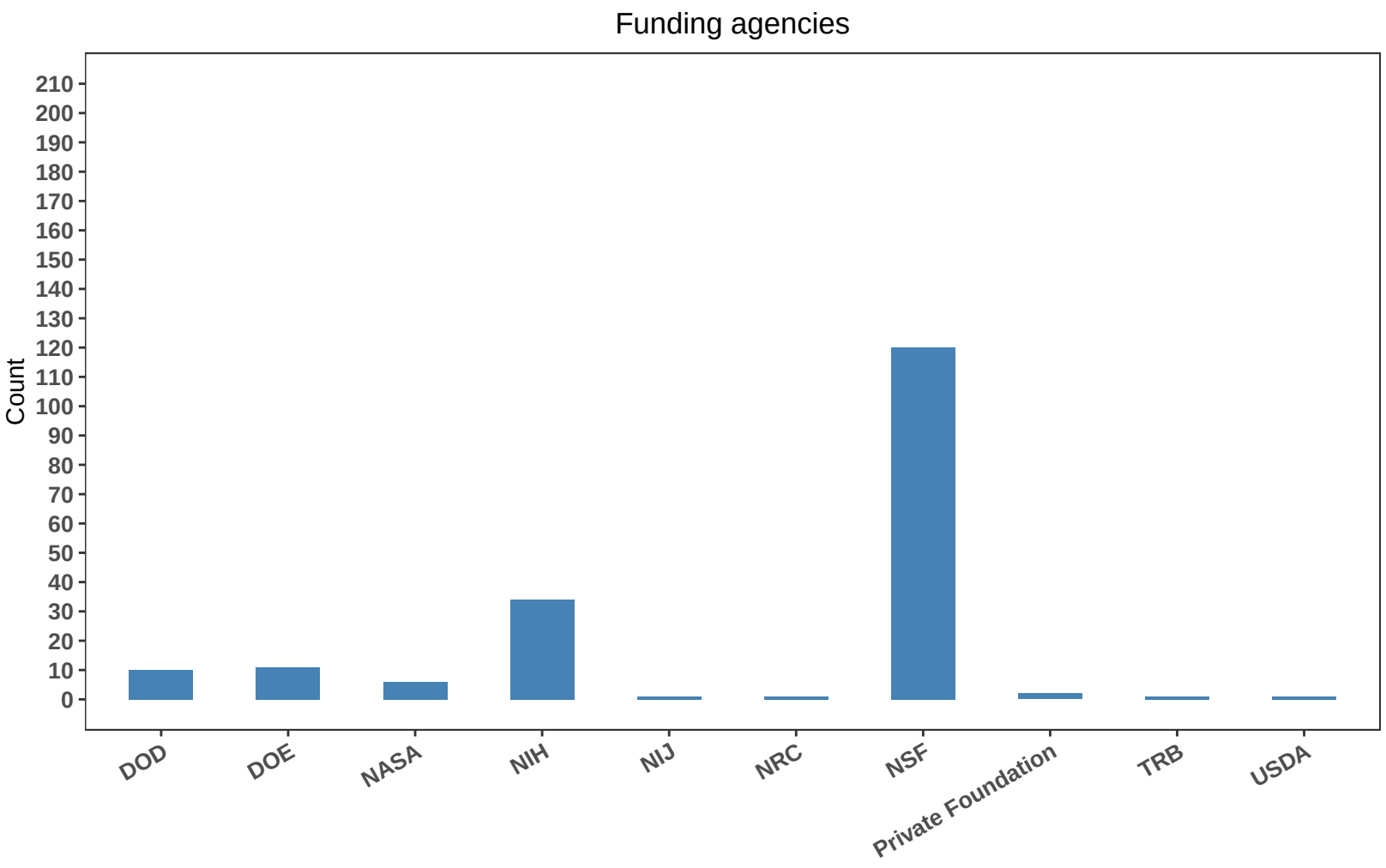


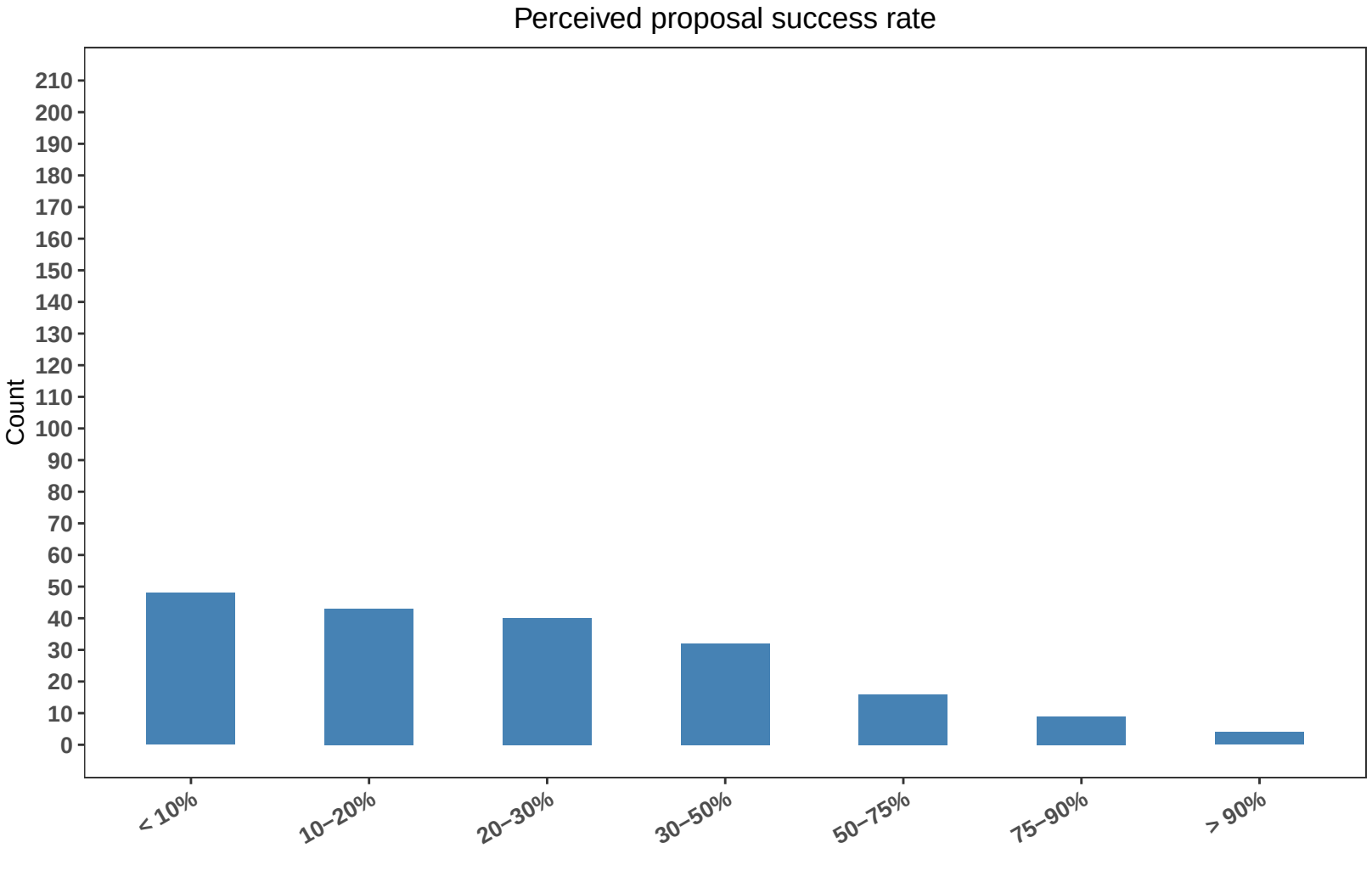
Email response style

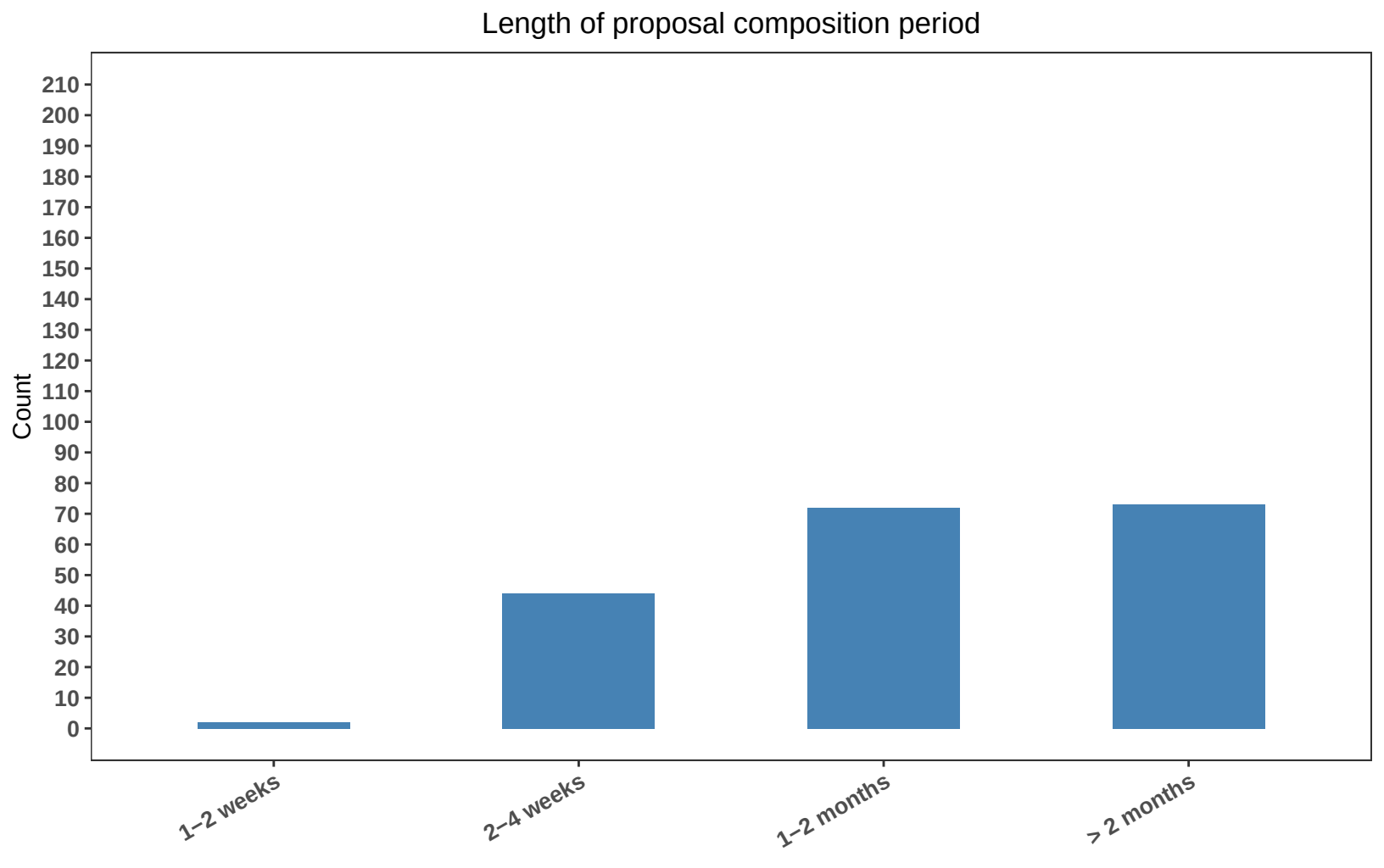


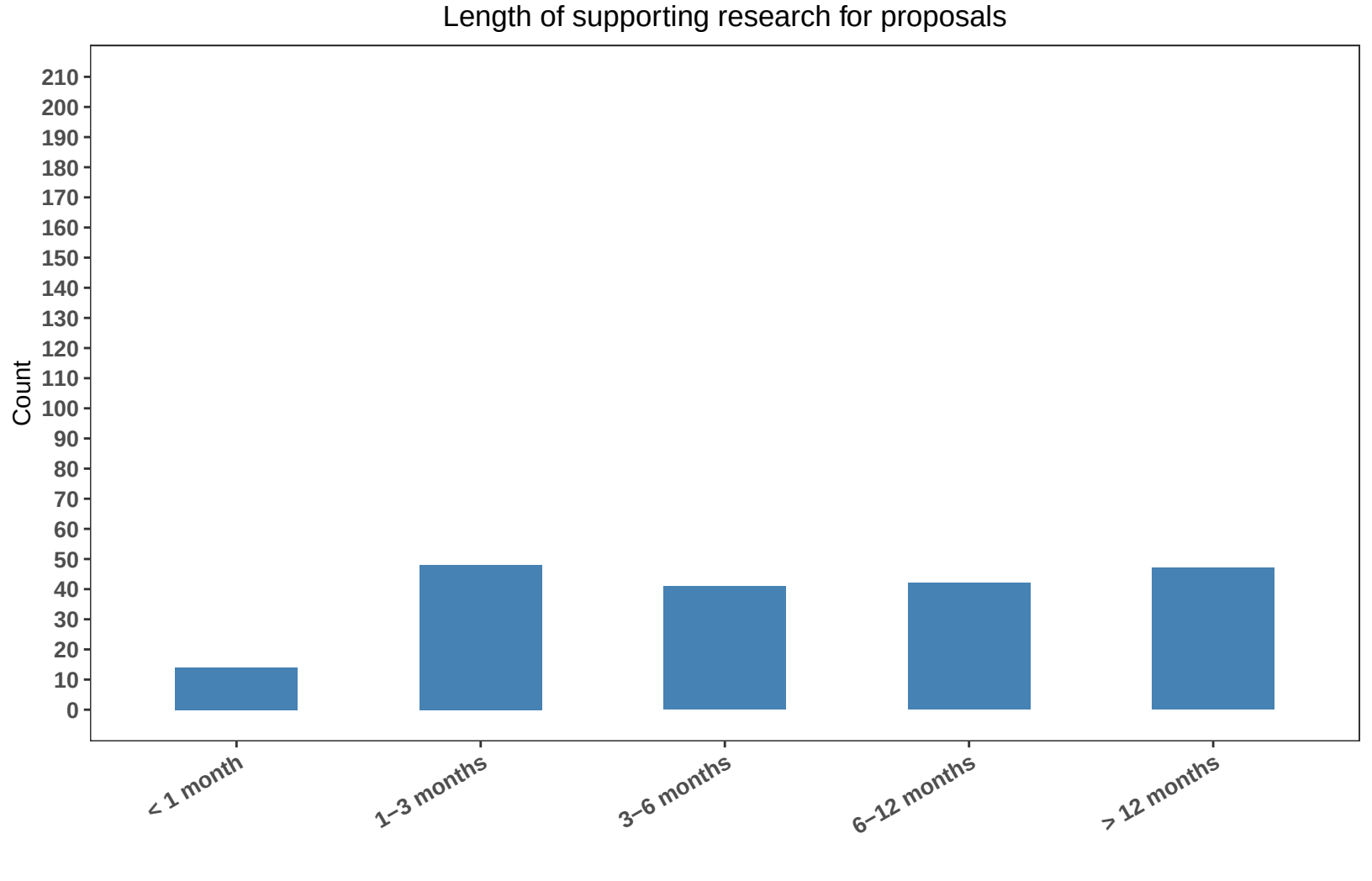

Participants submitting funding proposals
Count
210
200
190
180
170
160
150
140
130
120
110
100
90
80
70
60
50
40
30
20
10
0
No
Yes


Average number of proposals per year
Count
210
200
190
180
170
160
150
140
130
120
110
100
90
80
70
60
50
40
30
20
10
0
1–2
3–4
5–6
7–9
>=10

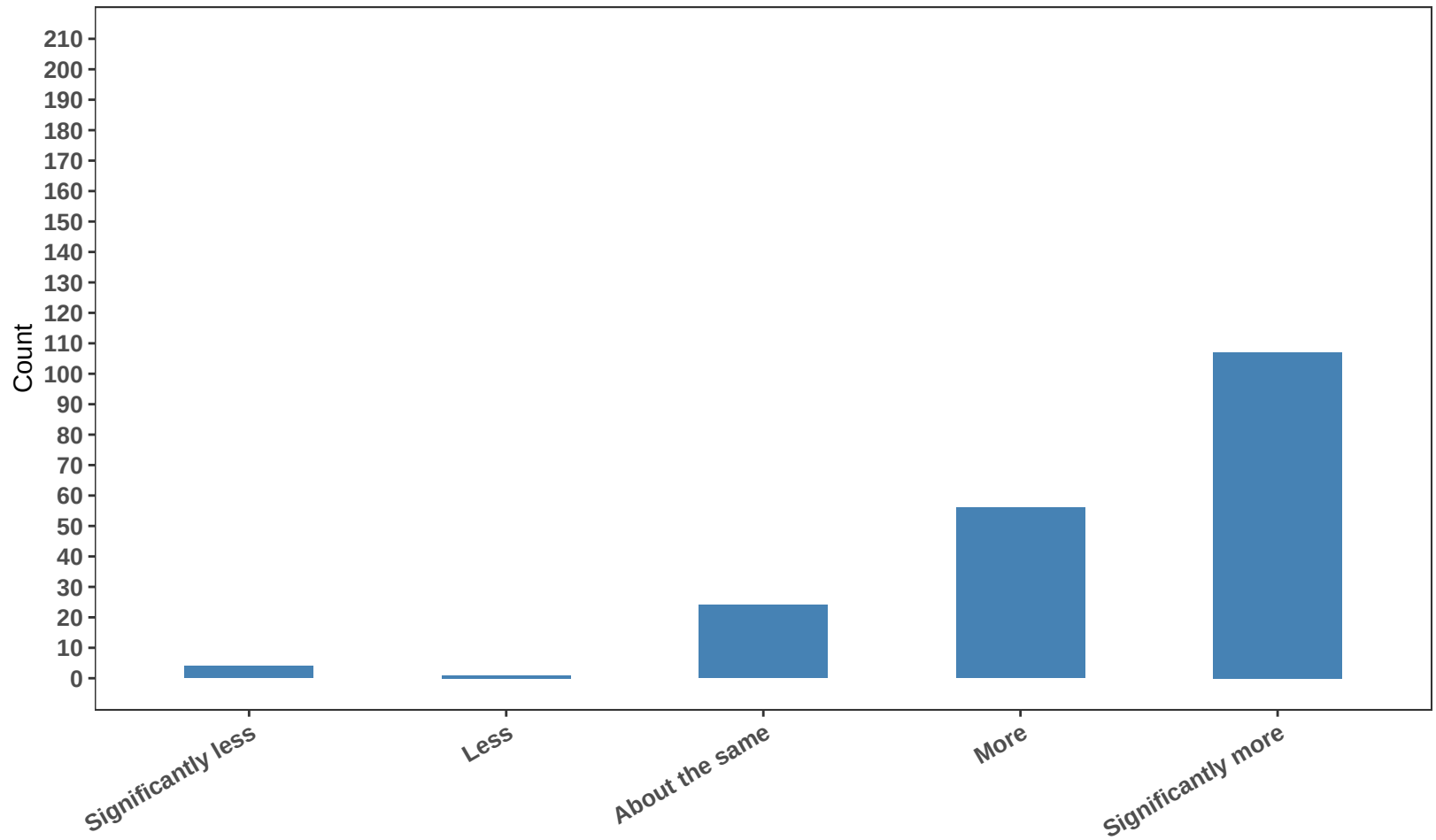

Funding agencies
Count
210
200
190
180
170
160
150
140
130
120
110
100
90
80
70
60
50
40
30
20
10
0
DOD
DOE
NASA
NIH
NIJ
NRC
NSF
Private Foundation
TRB
USDA


Perceived proposal success rate
Count
210
200
190
180
170
160
150
140
130
120
110
100
90
80
70
60
50
40
30
20
10
0
< 10%
10–20%
20–30%
30–50%
50–75%
75–90%
> 90%

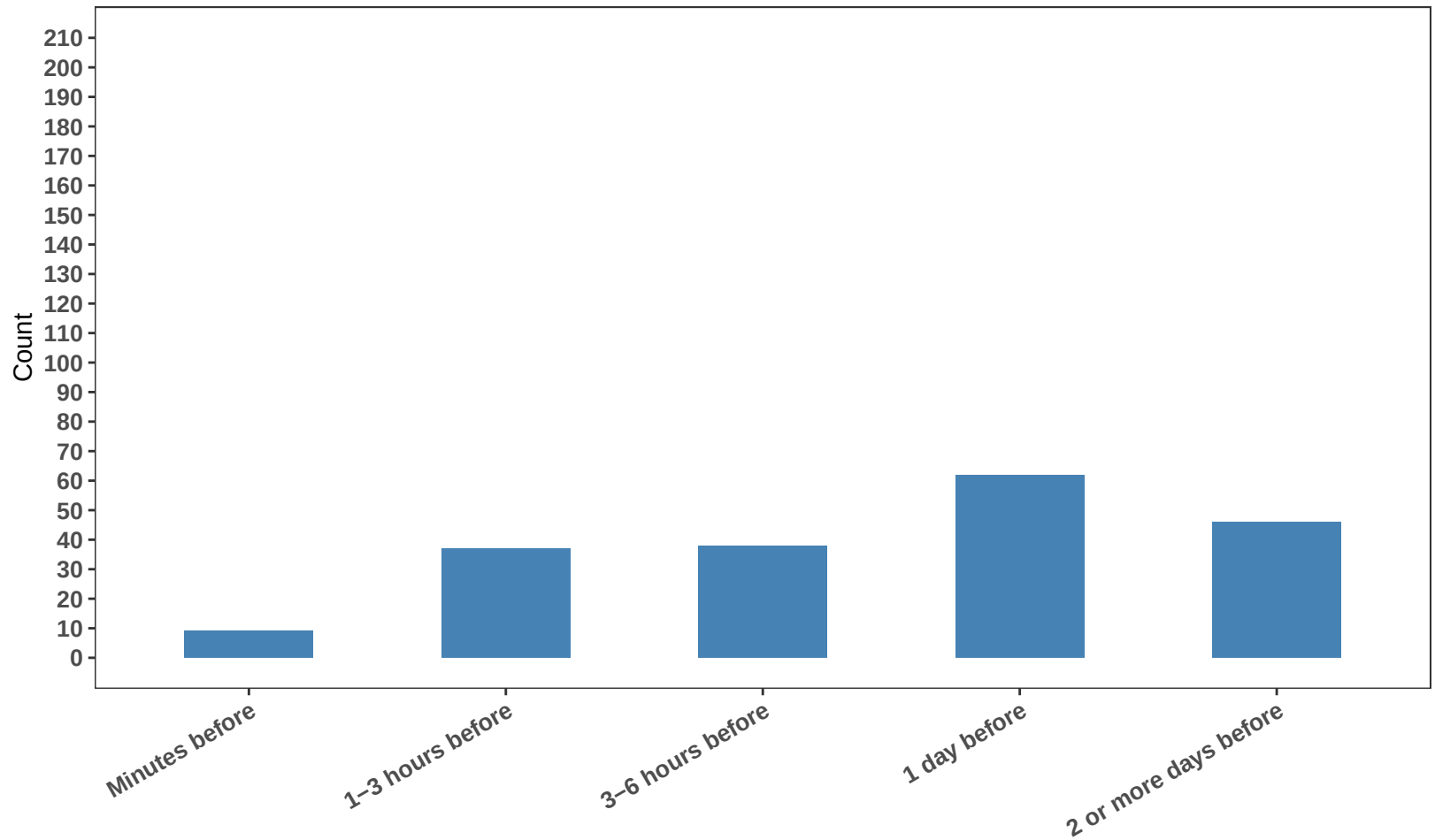

Length of proposal composition period
Count
210
200
190
180
170
160
150
140
130
120
110
100
90
80
70
60
50
40
30
20
10
0
1–2 weeks
2–4 weeks
1–2 months
> 2 months

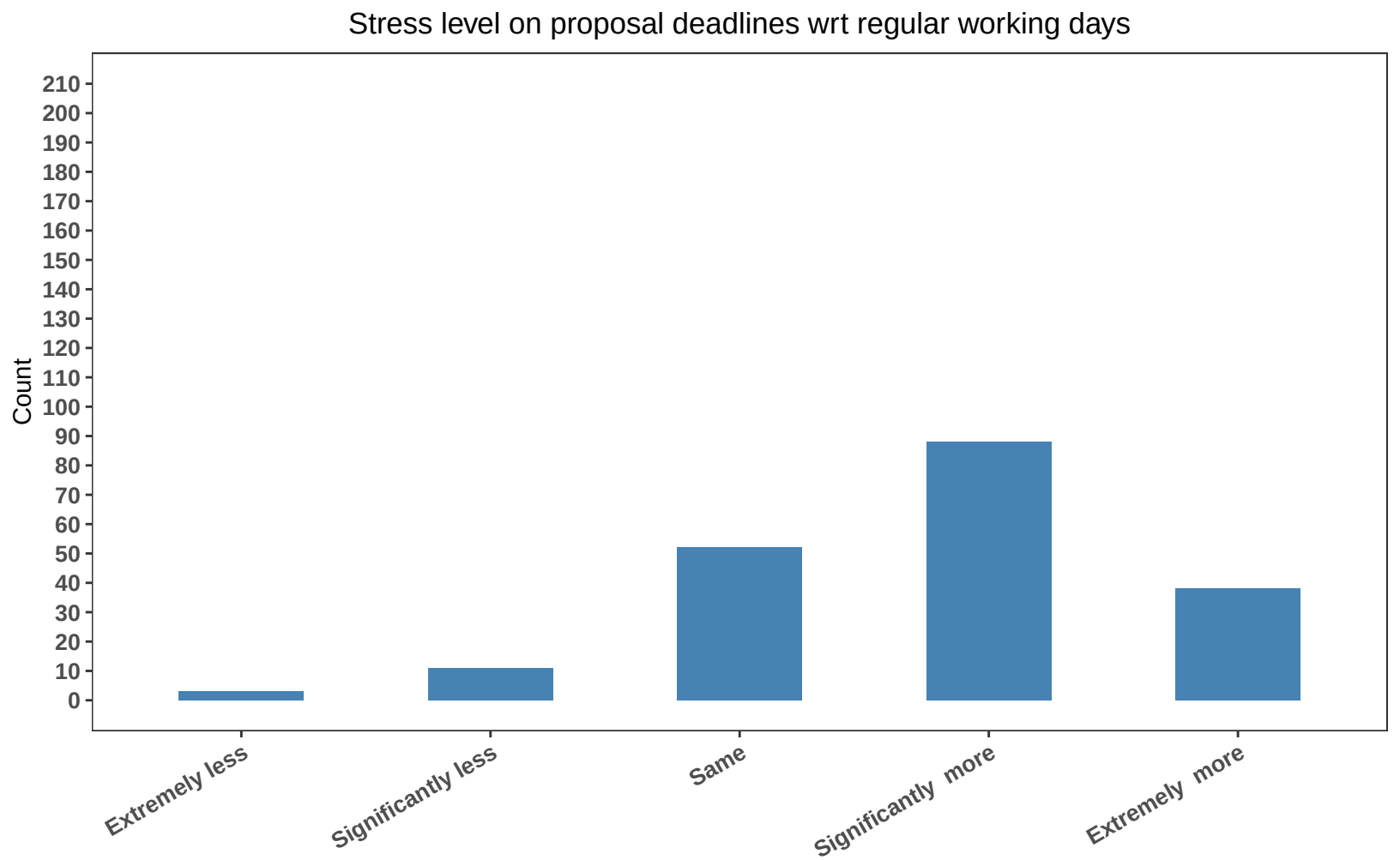

Length of supporting research for proposals
Count
210
200
190
180
170
160
150
140
130
120
110
100
90
80
70
60
50
40
30
20
10
0
< 1 month
1–3 months
3–6 months
6–12 months
> 12 months

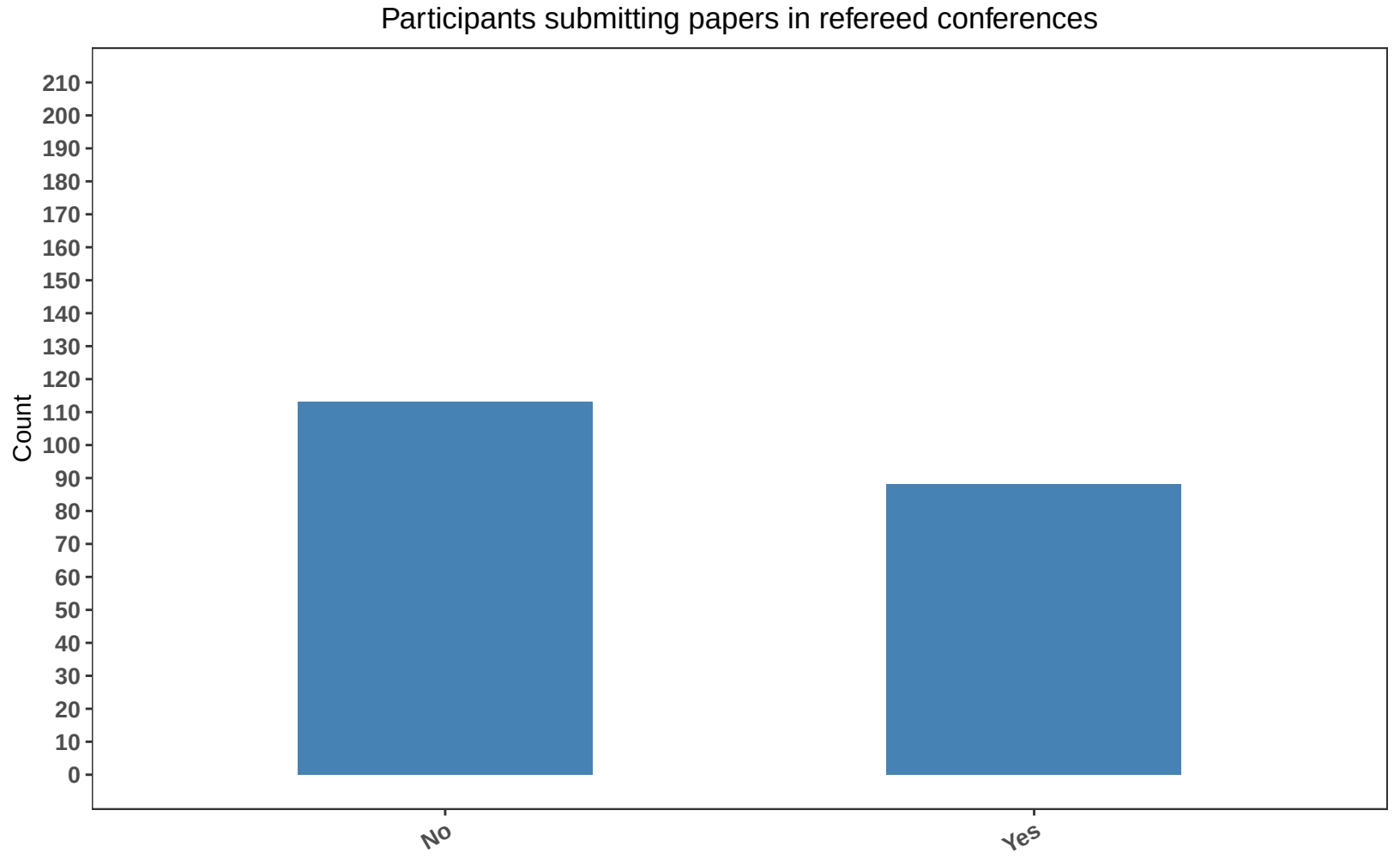
Proposal deadline week workload wrt a typical week

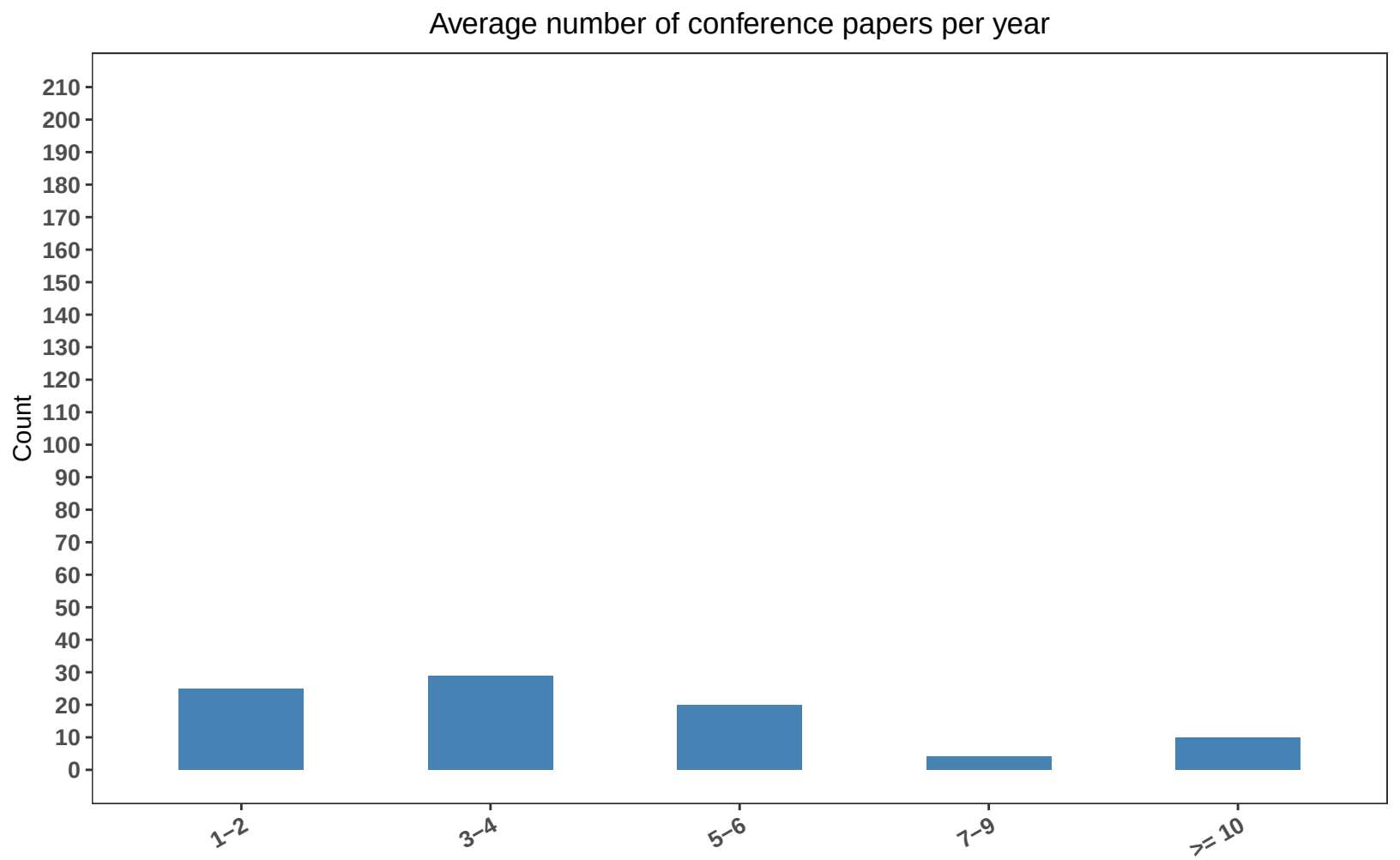


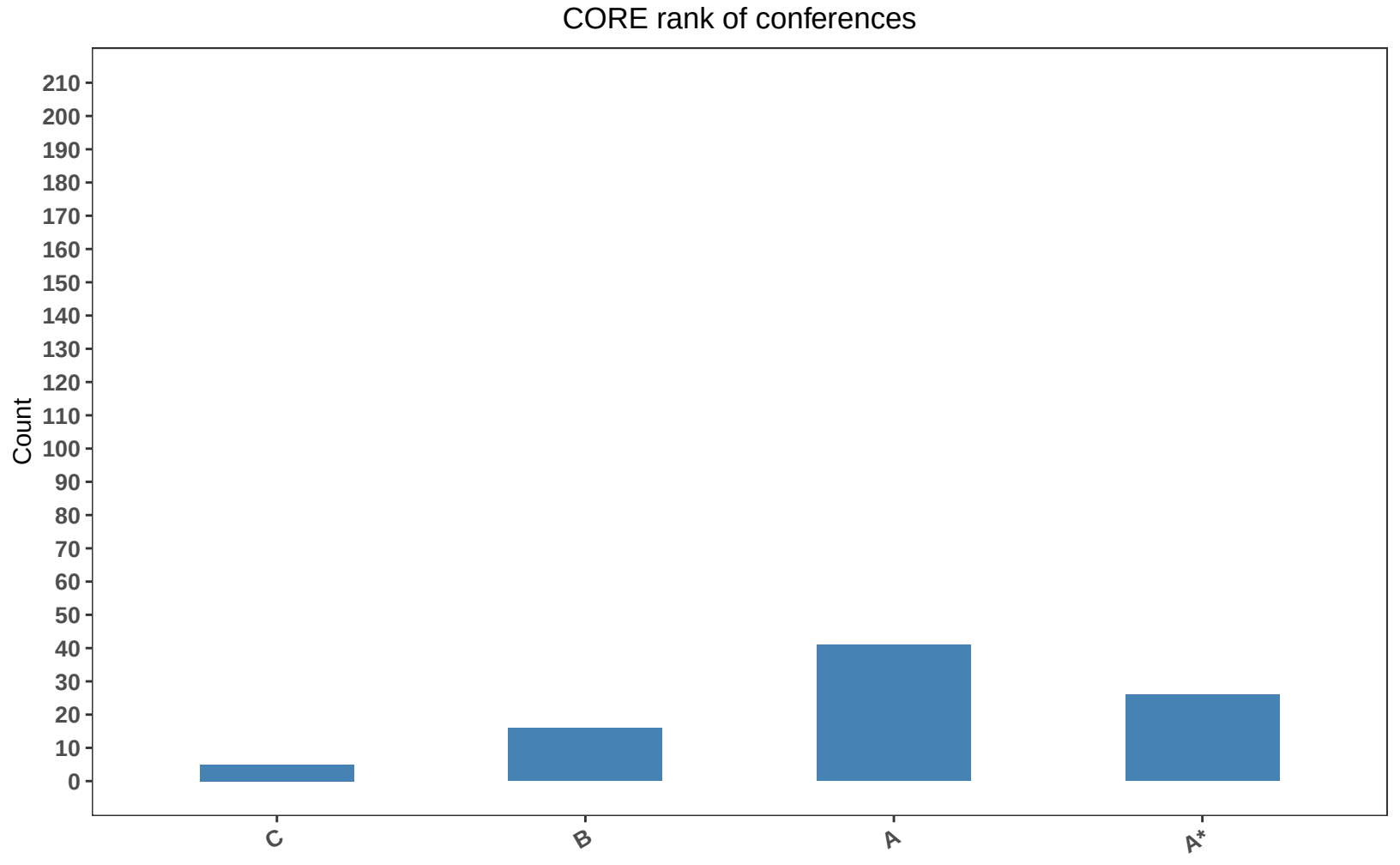
Timing of proposal submission

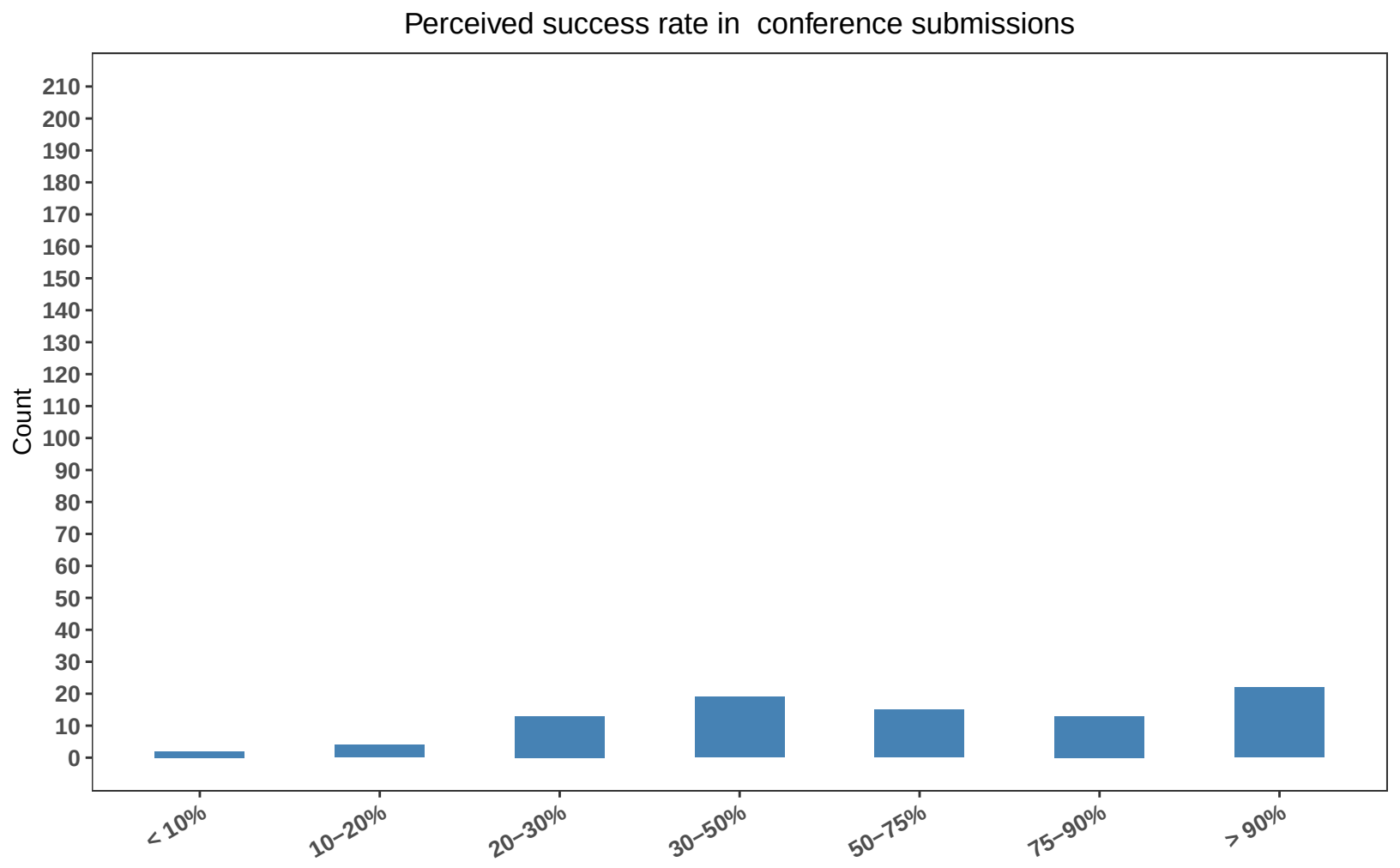


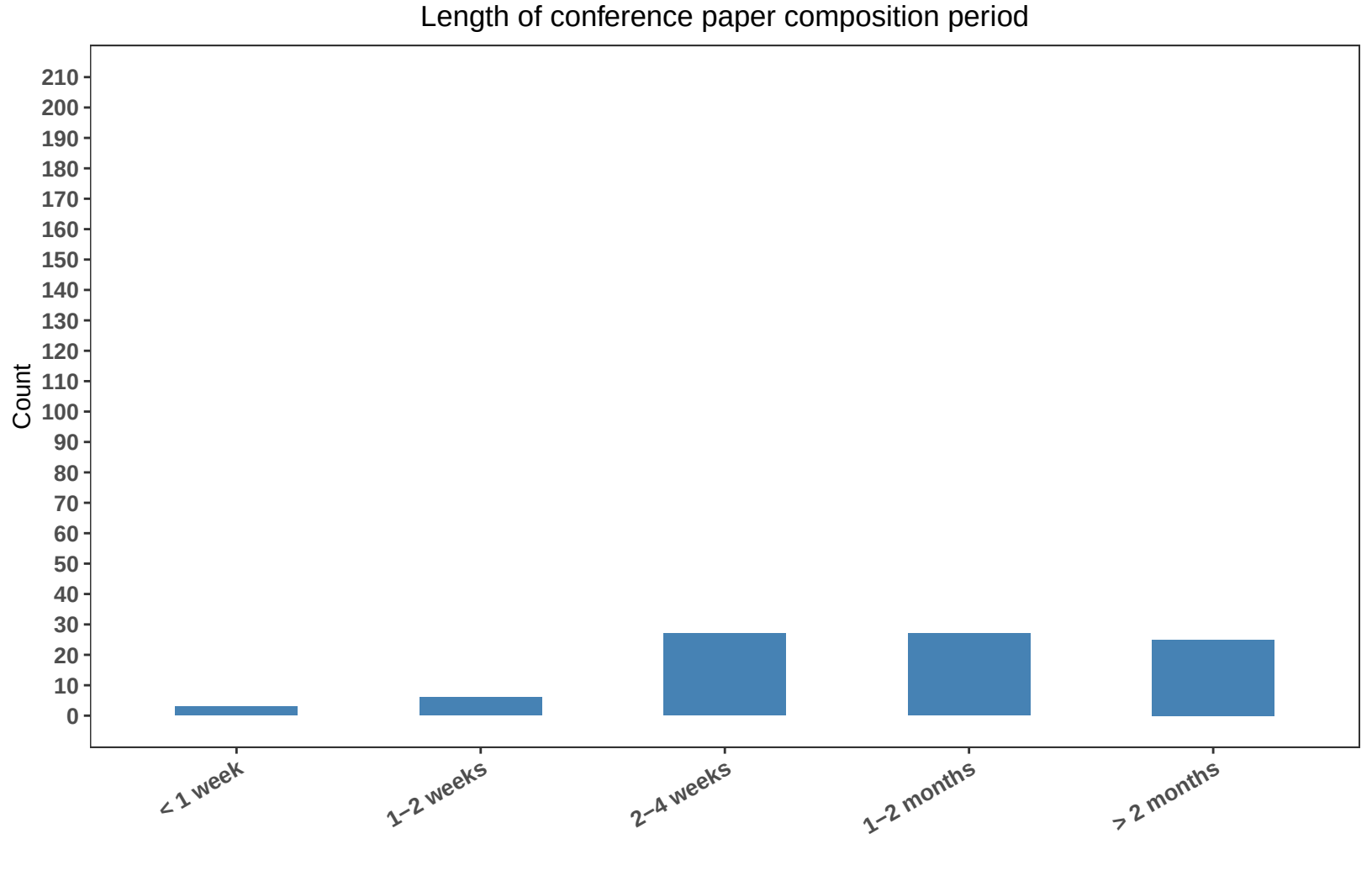

Stress level on proposal deadlines wrt regular working days
Count
210
200
190
180
170
160
150
140
130
120
110
100
90
80
70
60
50
40
30
20
10
0
Extremely less
Significantly less
Same
Significantly more
Extremely more

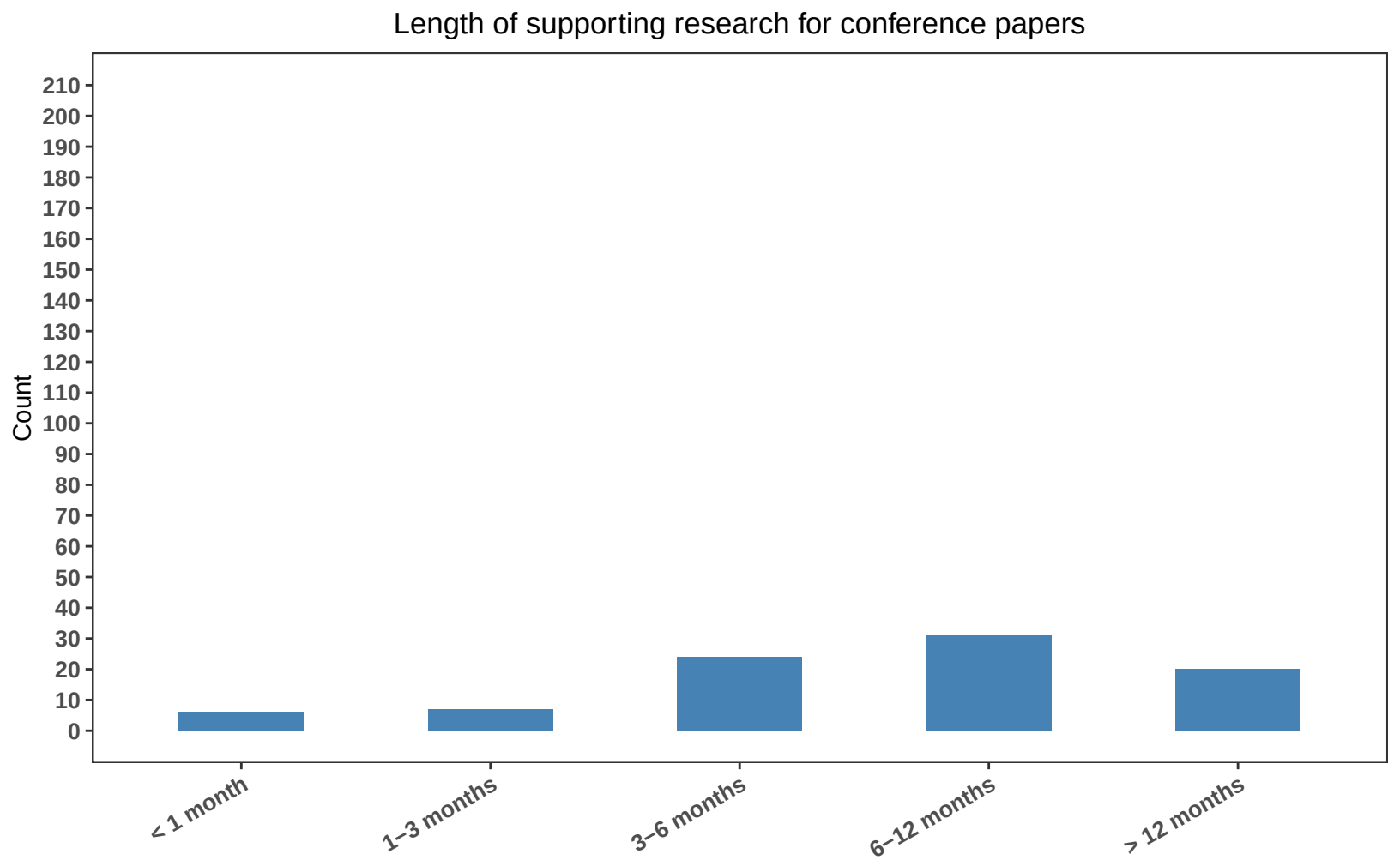

Participants submitting papers in refereed conferences
Count
210
200
190
180
170
160
150
140
130
120
110
100
90
80
70
60
50
40
30
20
10
0
No
Yes

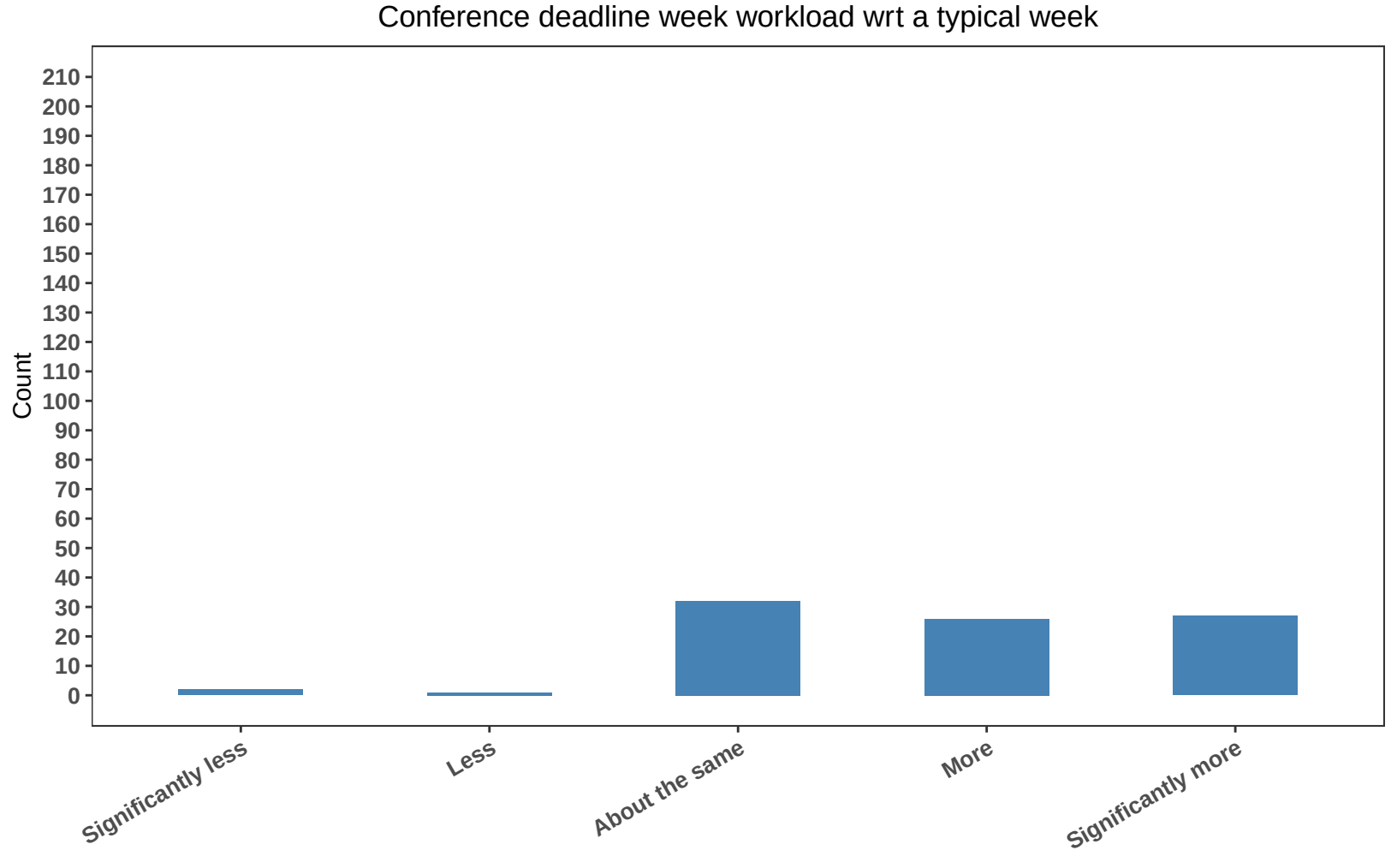

Average number of conference papers per year
Count
210
200
190
180
170
160
150
140
130
120
110
100
90
80
70
60
50
40
30
20
10
0
1–2
3–4
5–6
7–9
>= 10

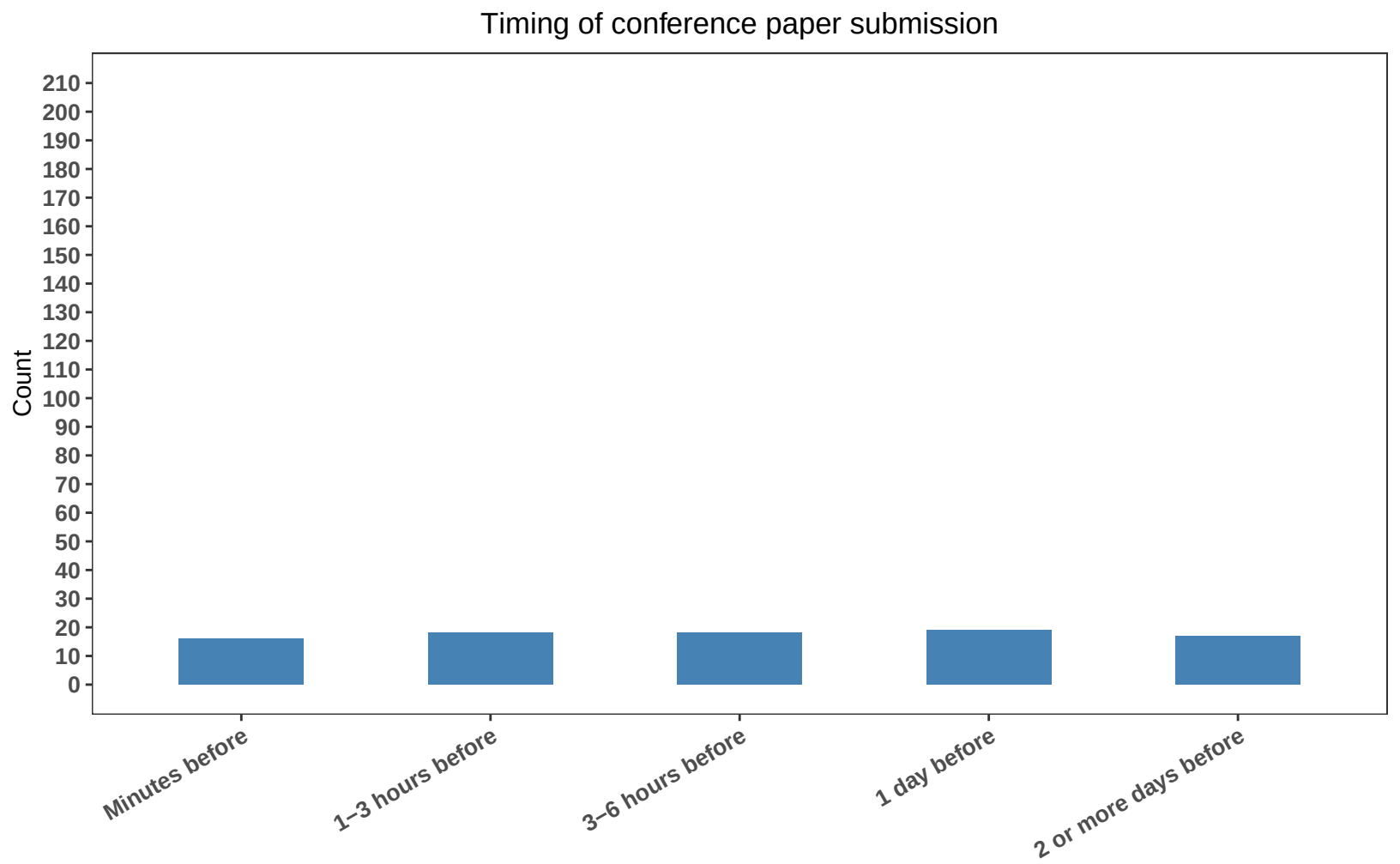

CORE rank of conferences
Count
210
200
190
180
170
160
150
140
130
120
110
100
90
80
70
60
50
40
30
20
10
0
C
B
A
A*

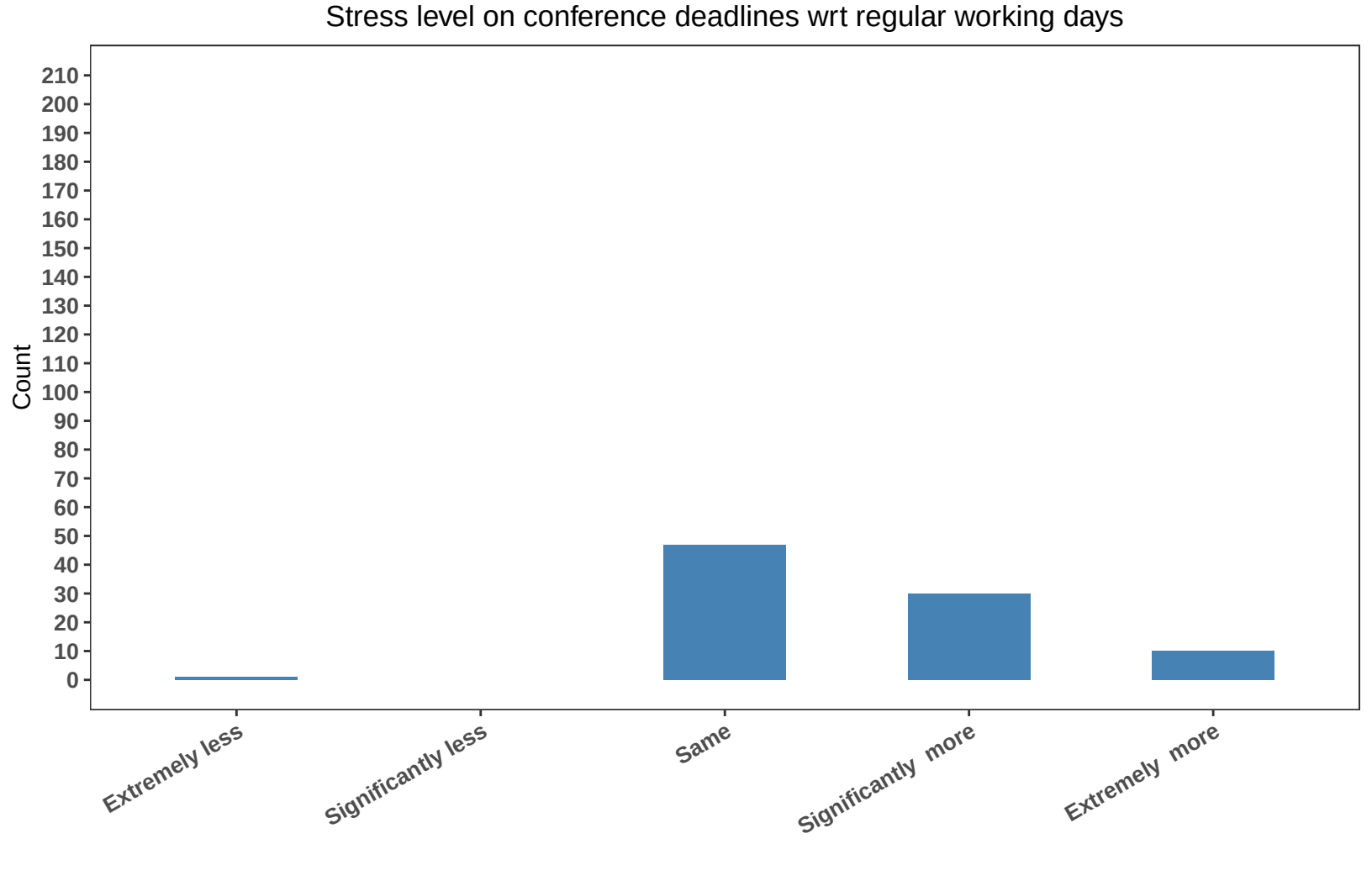

Perceived success rate in conference submissions
Count
210
200
190
180
170
160
150
140
130
120
110
100
90
80
70
60
50
40
30
20
10
0
< 10%
10–20%
20–30%
30–50%
50–75%
75–90%
> 90%

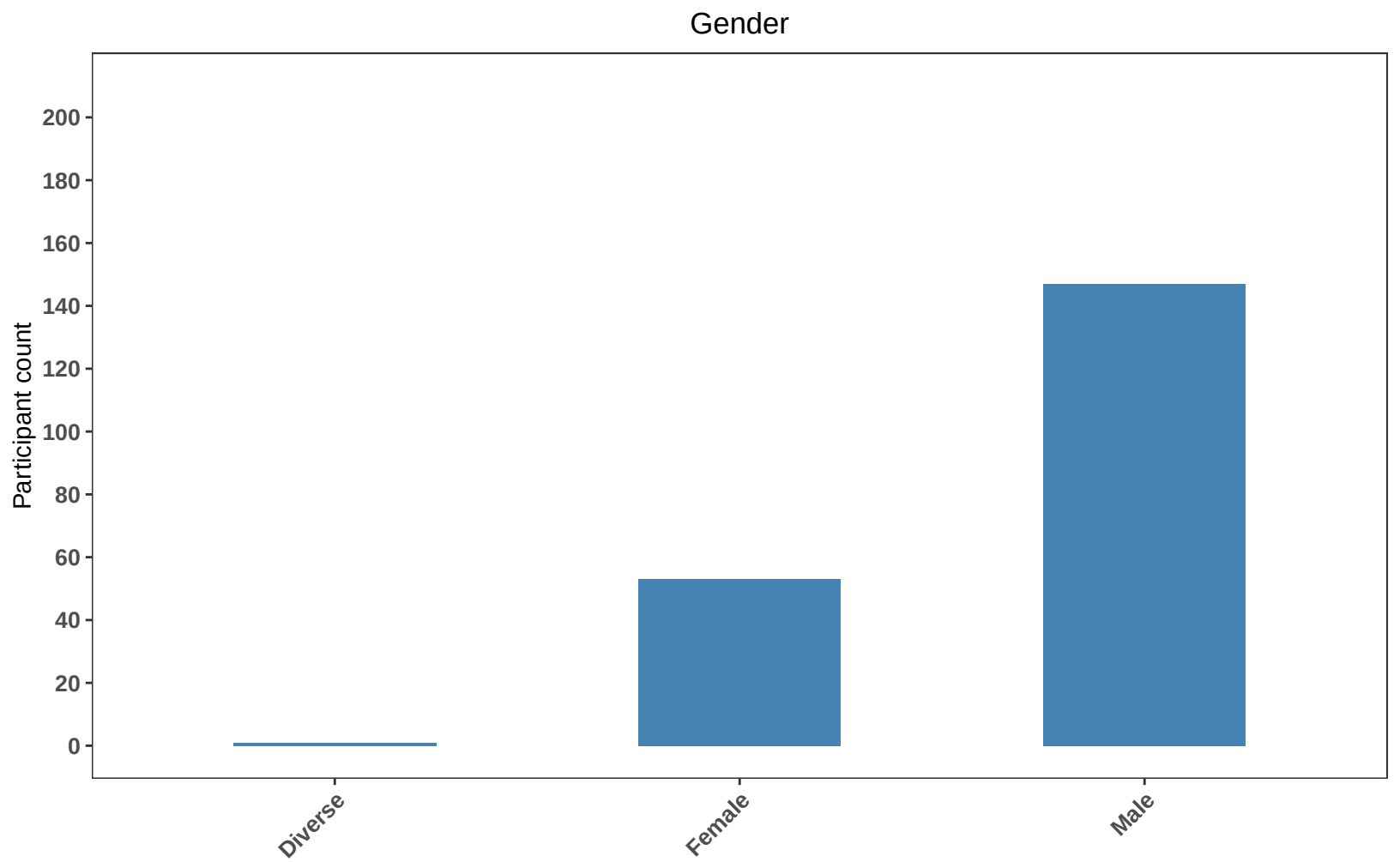

Length of conference paper composition period
Count
210
200
190
180
170
160
150
140
130
120
110
100
90
80
70
60
50
40
30
20
10
0
< 1 week
1–2 weeks
2–4 weeks
1–2 months
> 2 months

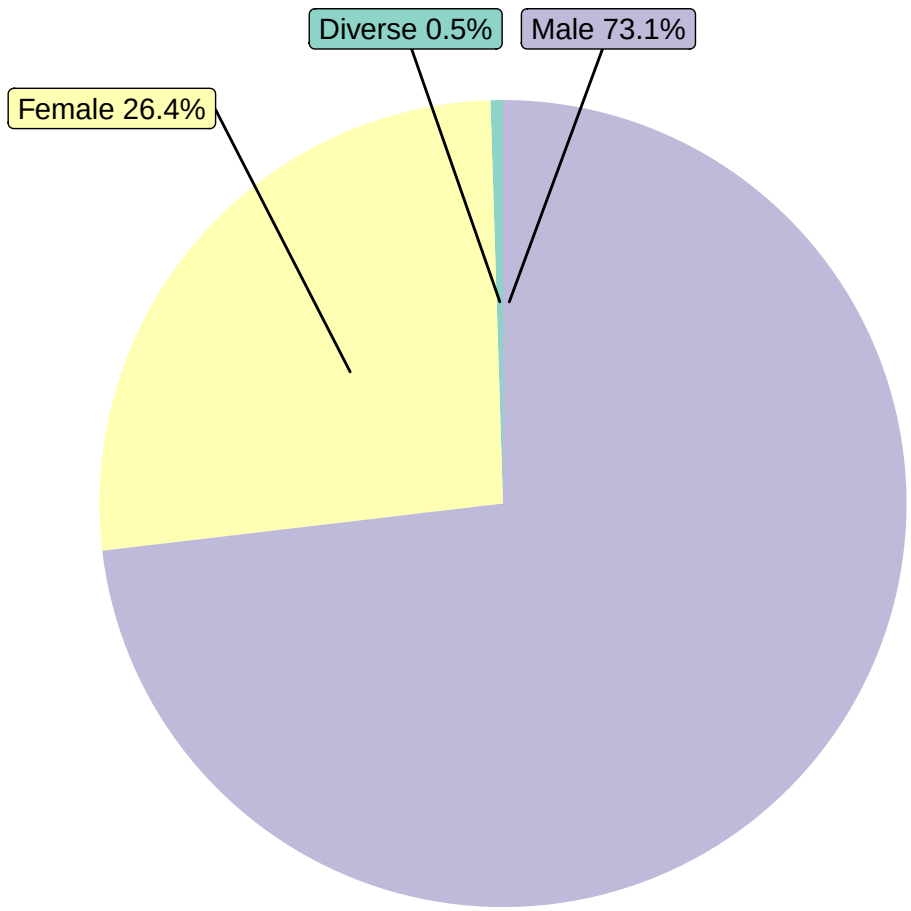

Length of supporting research for conference papers
Count
210
200
190
180
170
160
150
140
130
120
110
100
90
80
70
60
50
40
30
20
10
0
< 1 month
1–3 months
3–6 months
6–12 months
> 12 months

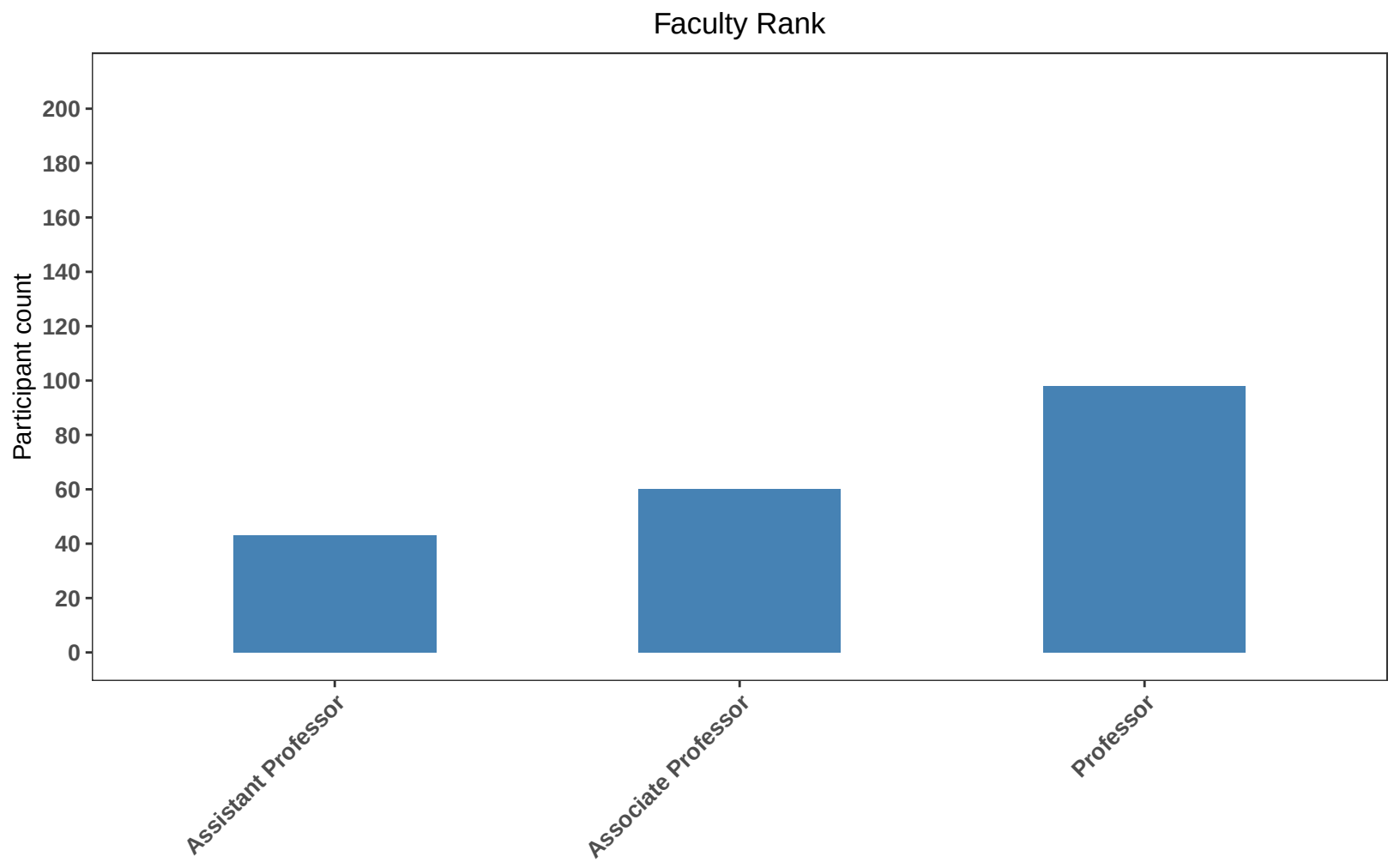

Conference deadline week workload wrt a typical week
Count
210
200
190
180
170
160
150
140
130
120
110
100
90
80
70
60
50
40
30
20
10
0
Significantly less
Less
About the same
More
Significantly more

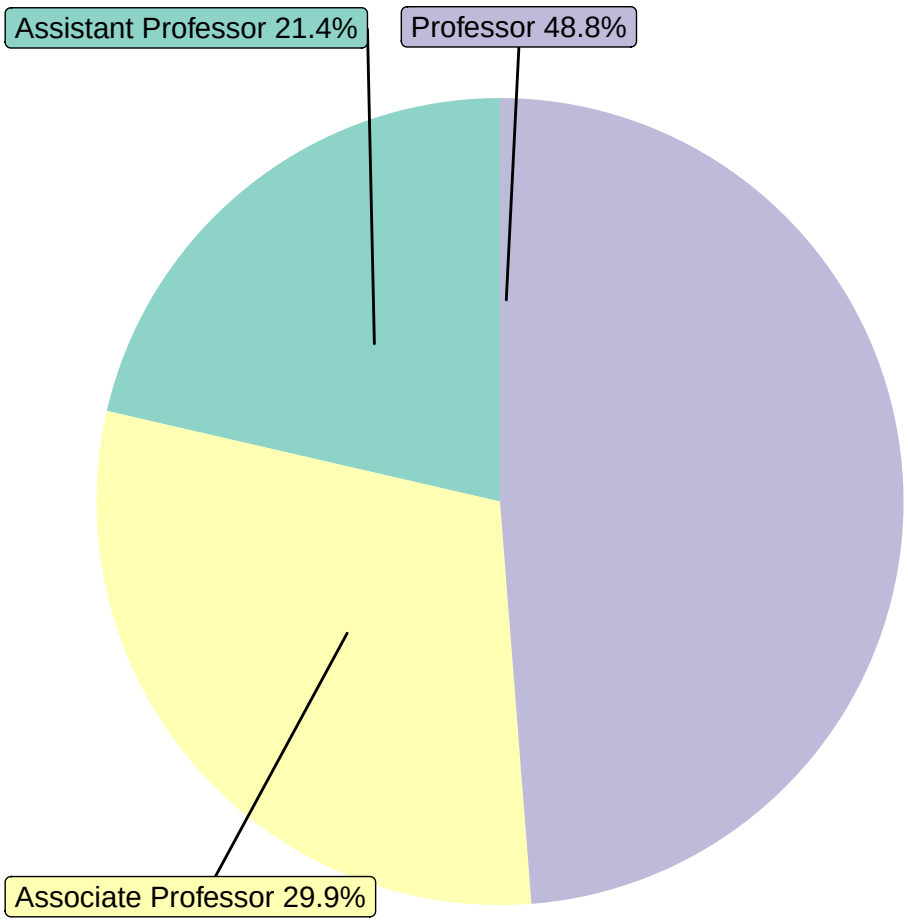

Timing of conference paper submission
Count
210
200
190
180
170
160
150
140
130
120
110
100
90
80
70
60
50
40
30
20
10
0
Minutes before
1–3 hours before
3–6 hours before
1 day before
2 or more days before

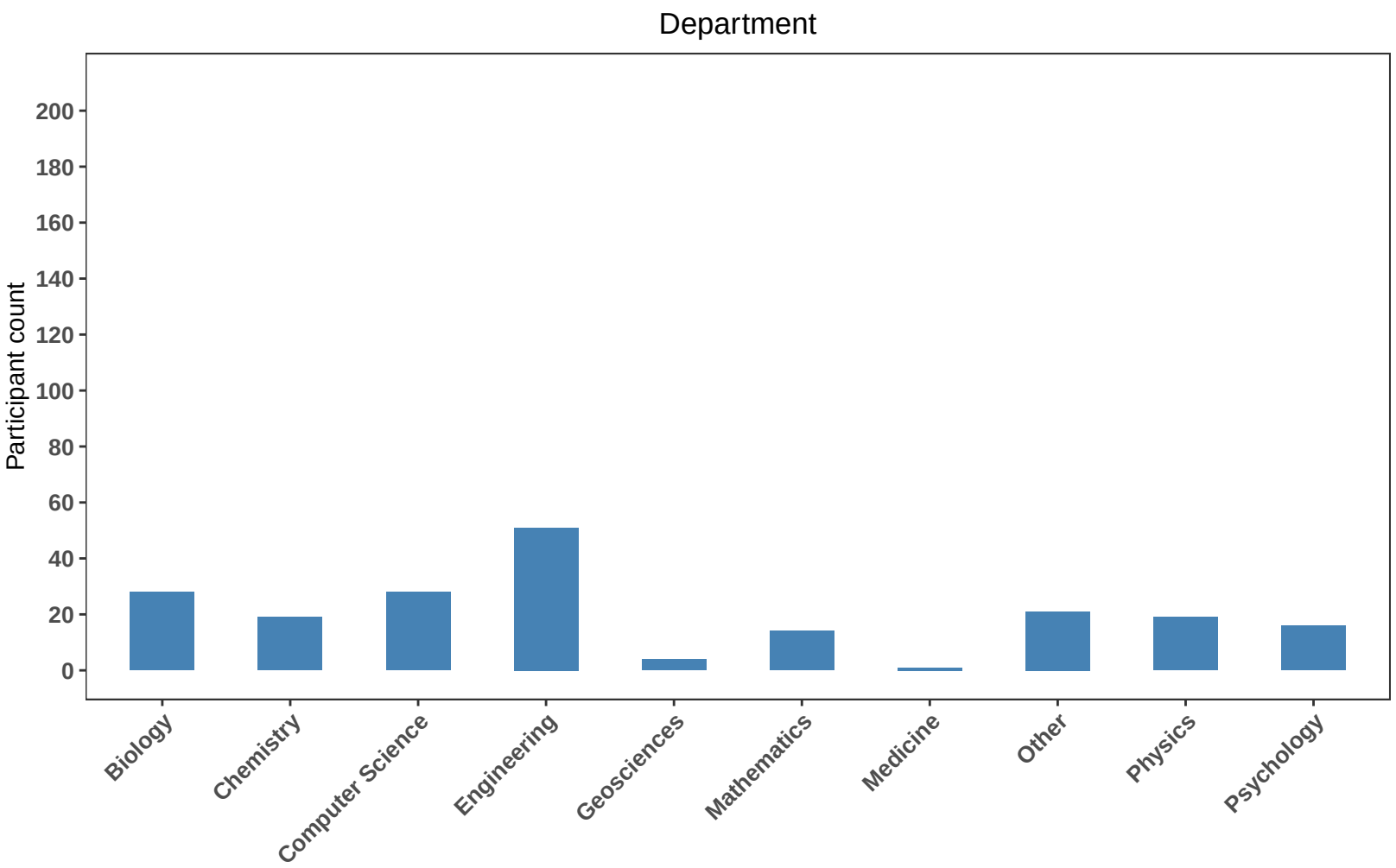

Stress level on conference deadlines wrt regular working days
Count
210
200
190
180
170
160
150
140
130
120
110
100
90
80
70
60
50
40
30
20
10
0
Extremely less
Significantly less
Same
Significantly more
Extremely more

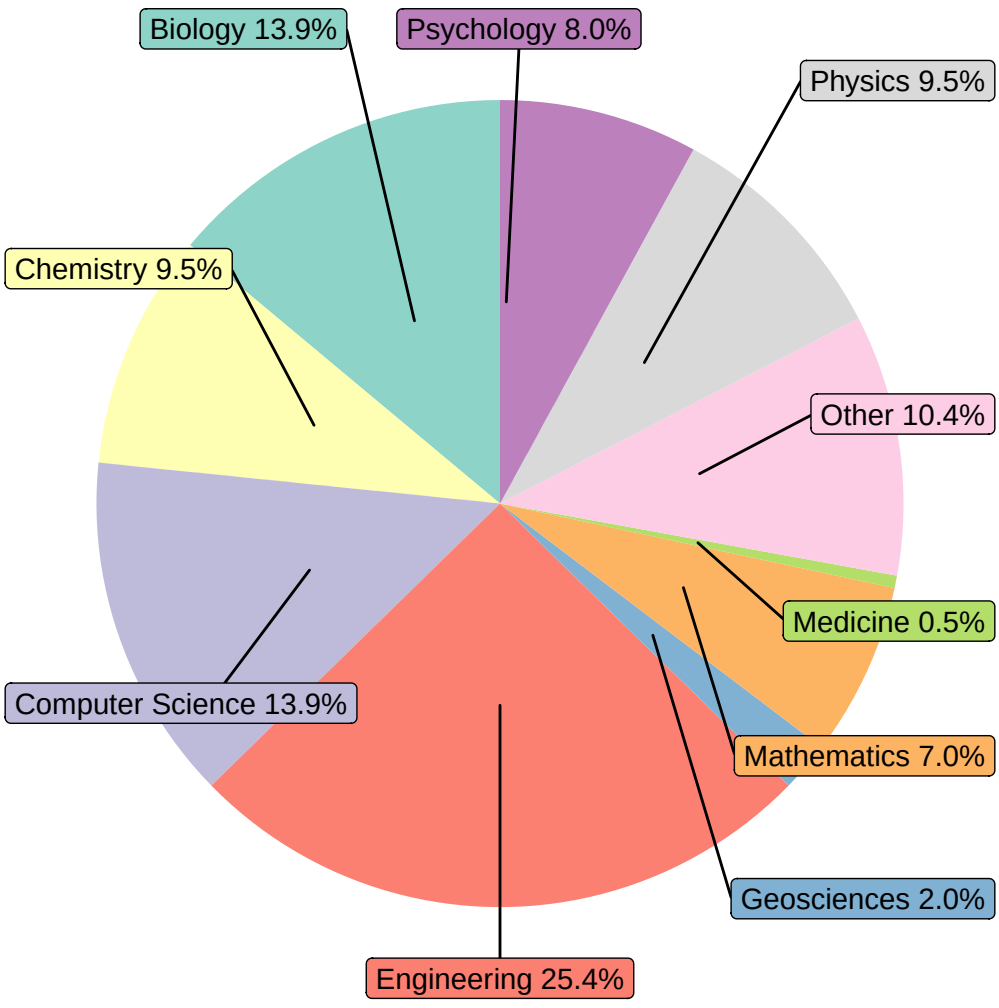

Gender
Participant count
200
180
160
140
120
100
80
60
40
20
0
Diverse
Female
Male

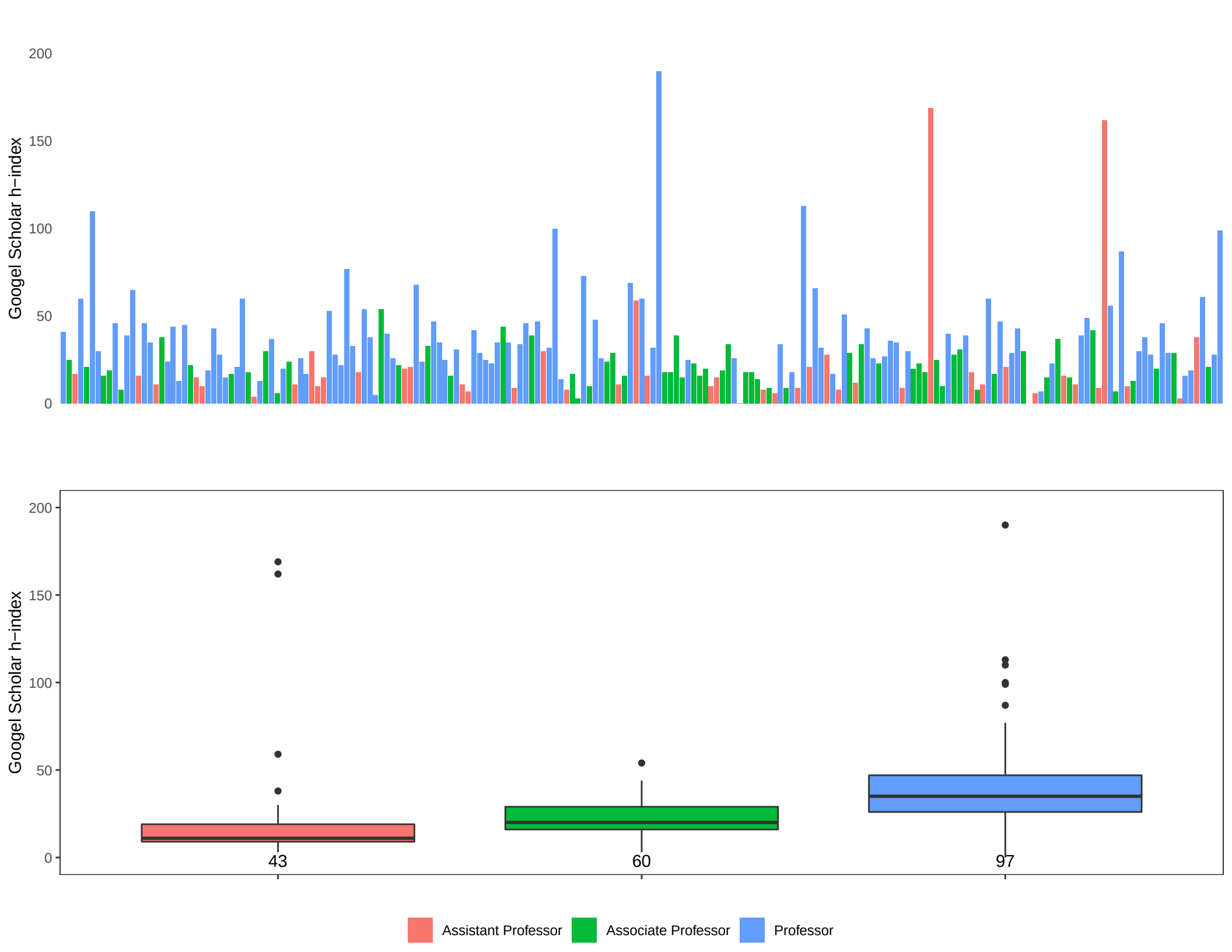

Diverse 0.5%
Male 73.1%
Female 26.4%

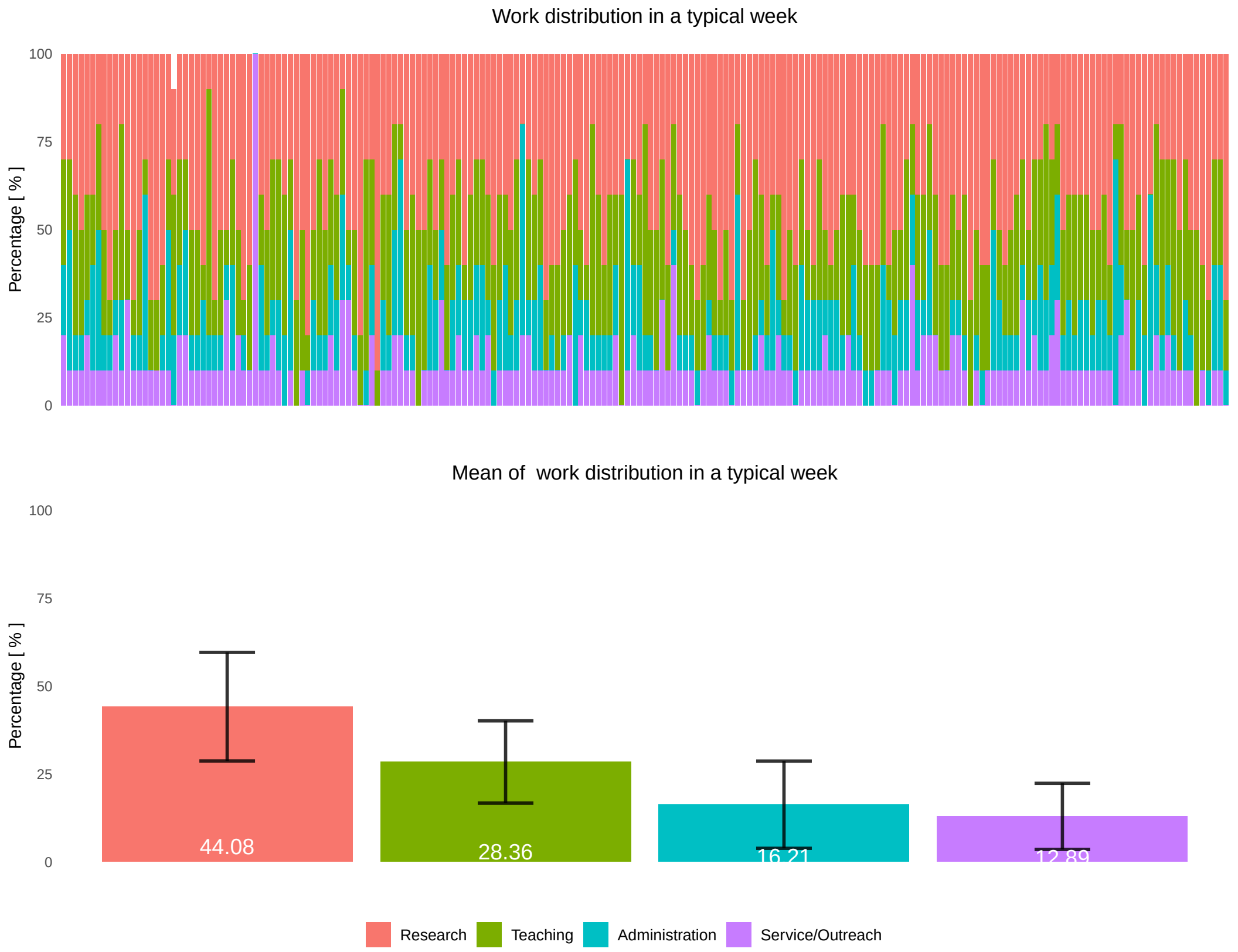

Faculty Rank
Participant count
200
180
160
140
120
100
80
60
40
20
0
Assistant Professor
Associate Professor
Professor

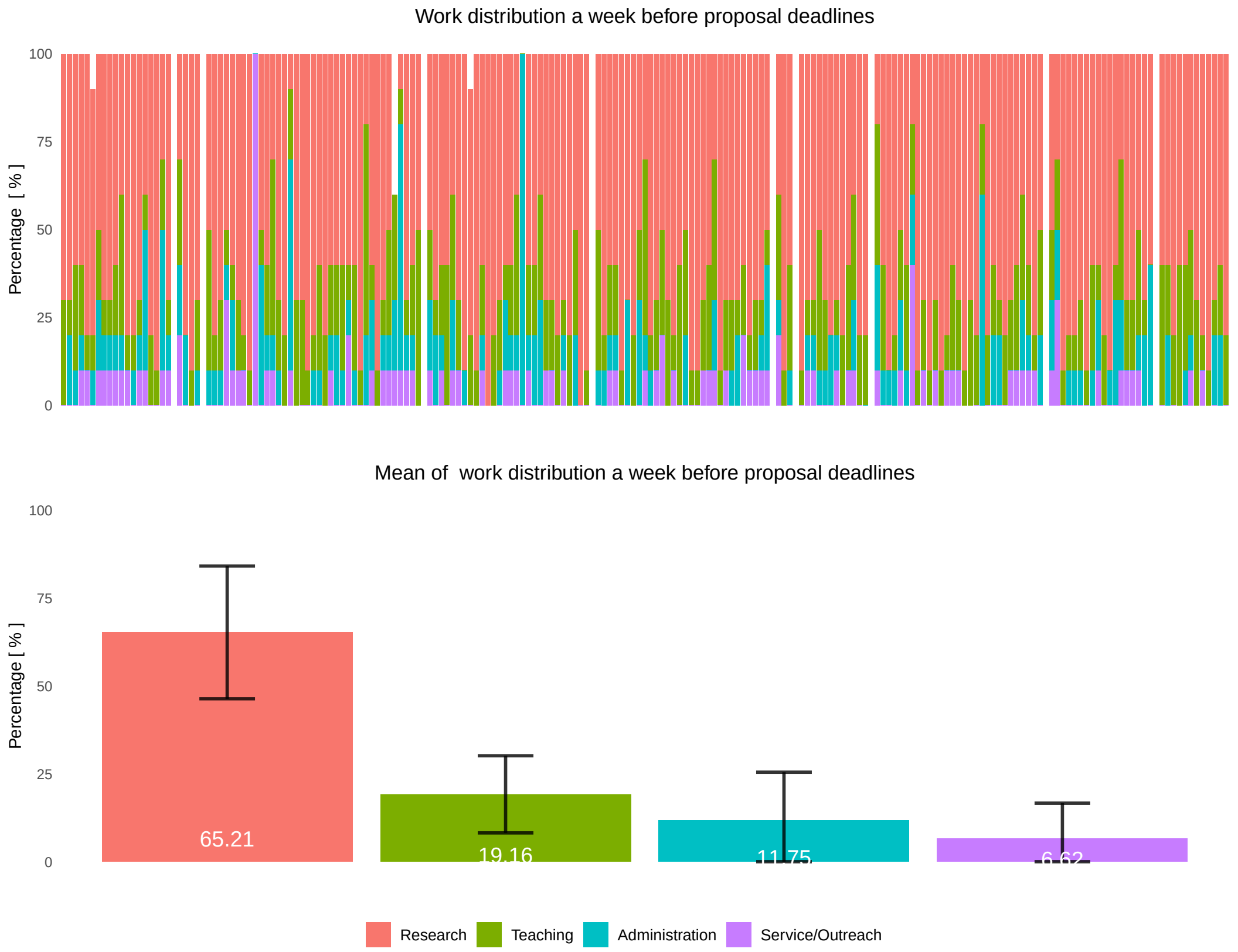

Assistant Professor 21.4%
Professor 48.8%
Associate Professor 29.9%

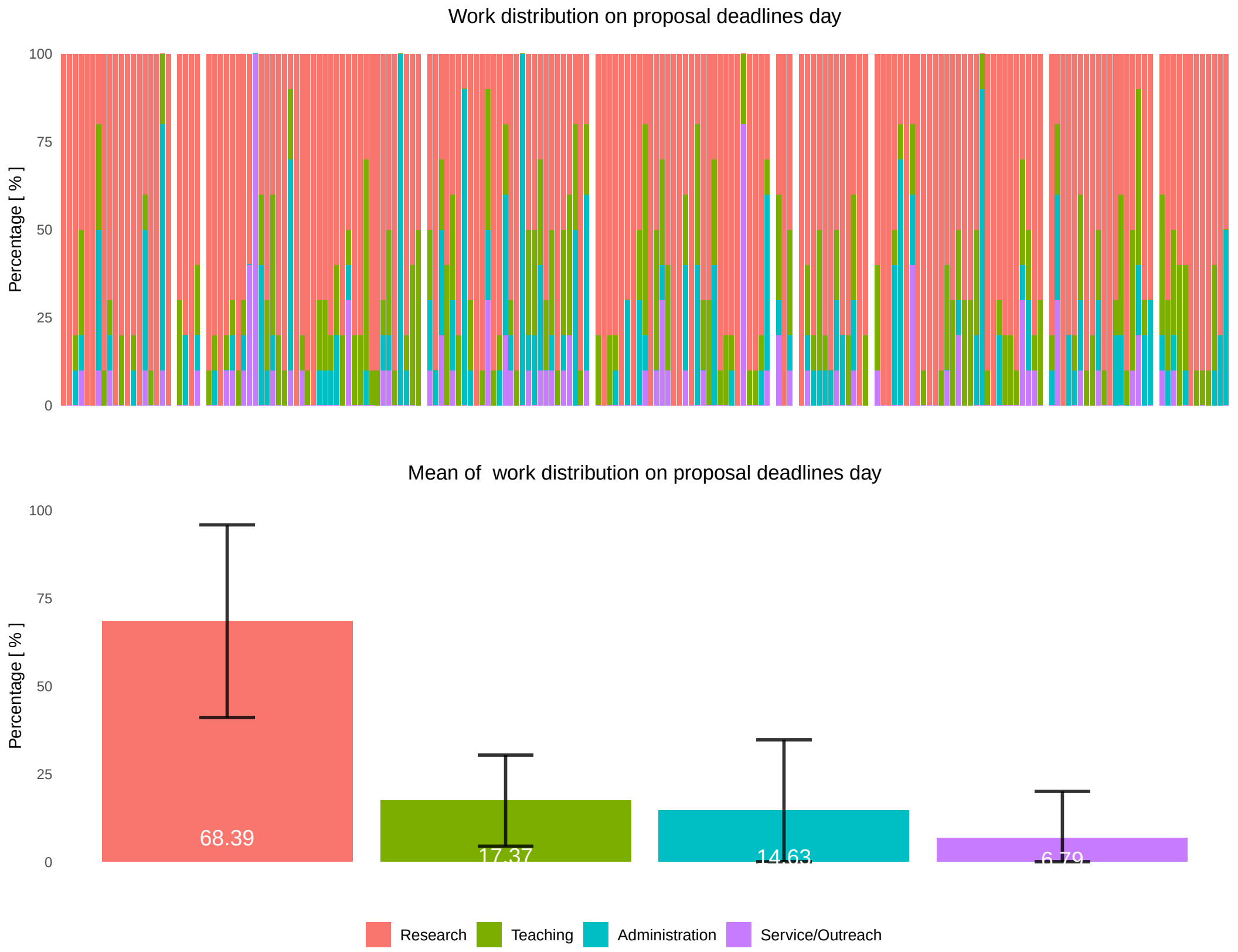

Department
Participant count
200
180
160
140
120
100
80
60
40
20
0
Biology
Chemistry
Computer Science
Engineering
Geosciences
Mathematics
Medicine
Other
Physics
Psychology

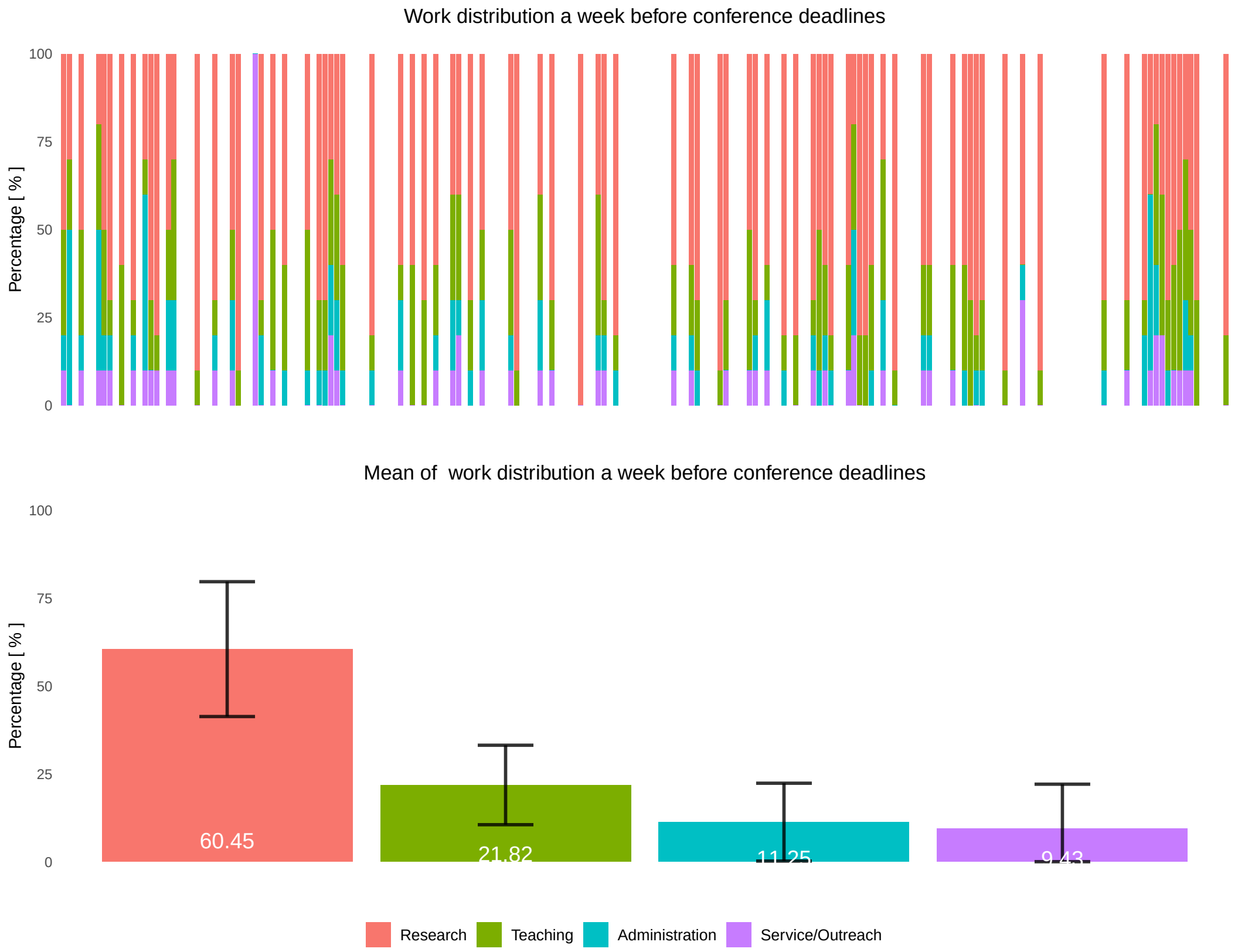

Biology 13.9%
Psychology 8.0%
Physics 9.5%
Chemistry 9.5%
Other 10.4%
Medicine 0.5%
Computer Science 13.9%
Mathematics 7.0%
Geosciences 2.0%
Engineering 25.4%

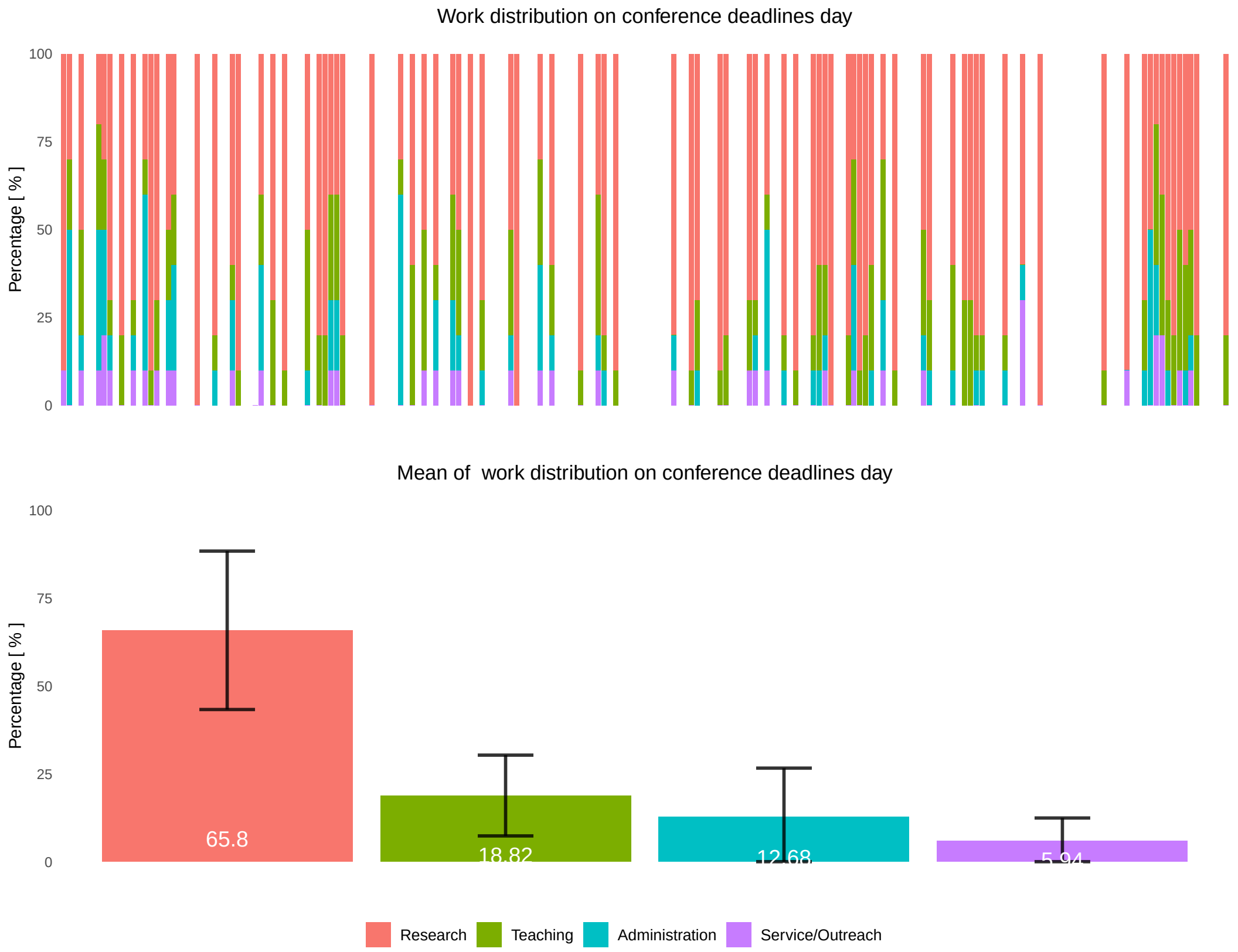

Googel Scholar h−index
200
150
100
50
0
Googel Scholar h−index
200
150
100
50
0
43
60
97
Assistant Professor
Associate Professor
Professor


Work distribution in a typical week
Percentage [%]
100
75
50
25
0
Mean of work distribution in a typical week
Percentage [%]
100
75
50
25
0
44.08
28.36
16.21
12.89
Research
Teaching
Administration
Service/Outreach

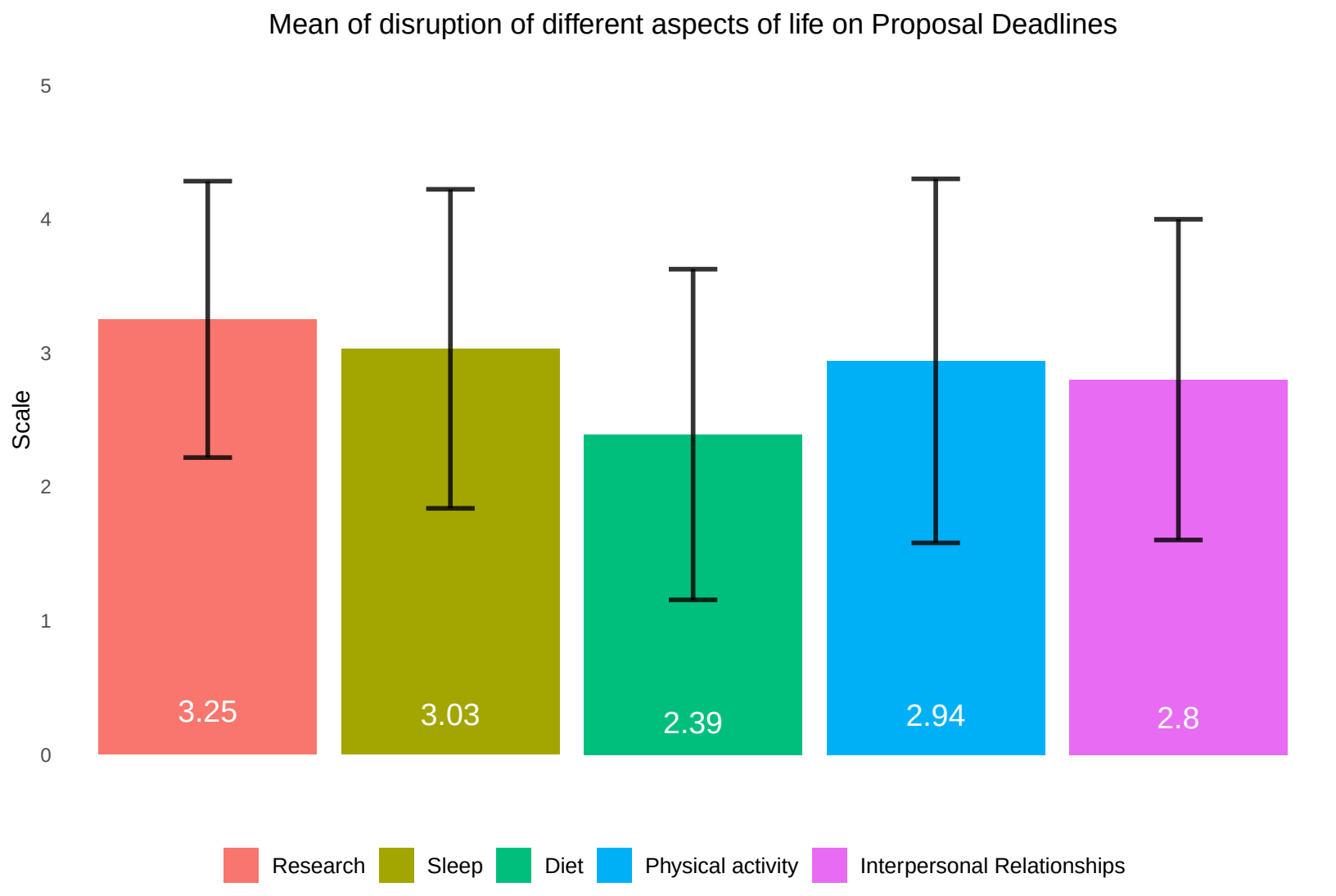

Work distribution a week before proposal deadlines
Percentage [%]
100
75
50
25
0
Mean of work distribution a week before proposal deadlines
Percentage [%]
100
75
50
25
0
65.21
19.16
11.75
6.62
Research
Teaching
Administration
Service/Outreach

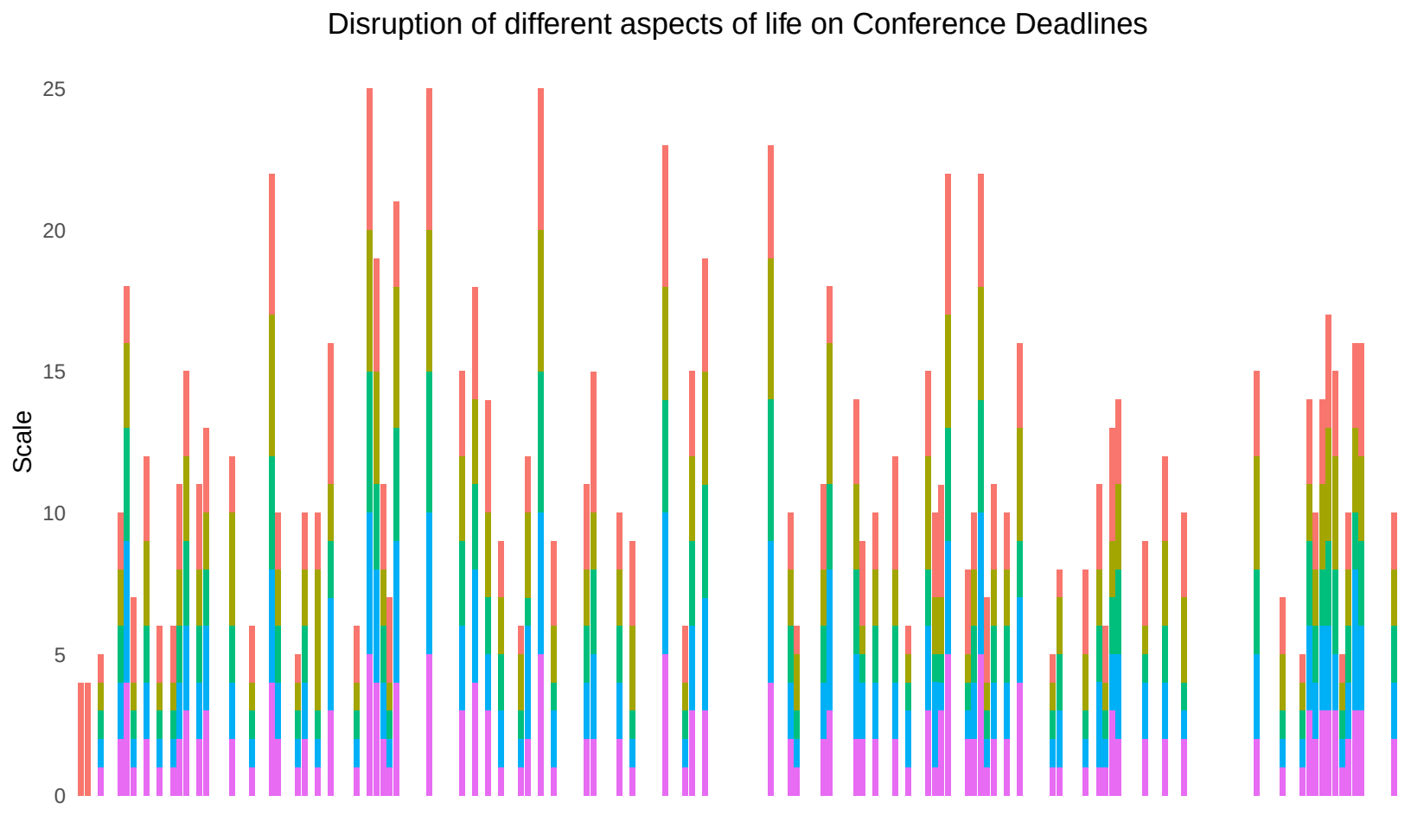

Work distribution on proposal deadlines day
Percentage [%]
100
75
50
25
0
Mean of work distribution on proposal deadlines day
Percentage [%]
100
75
50
25
0
68.39
17.37
14.63
6.79
Research
Teaching
Administration
Service/Outreach

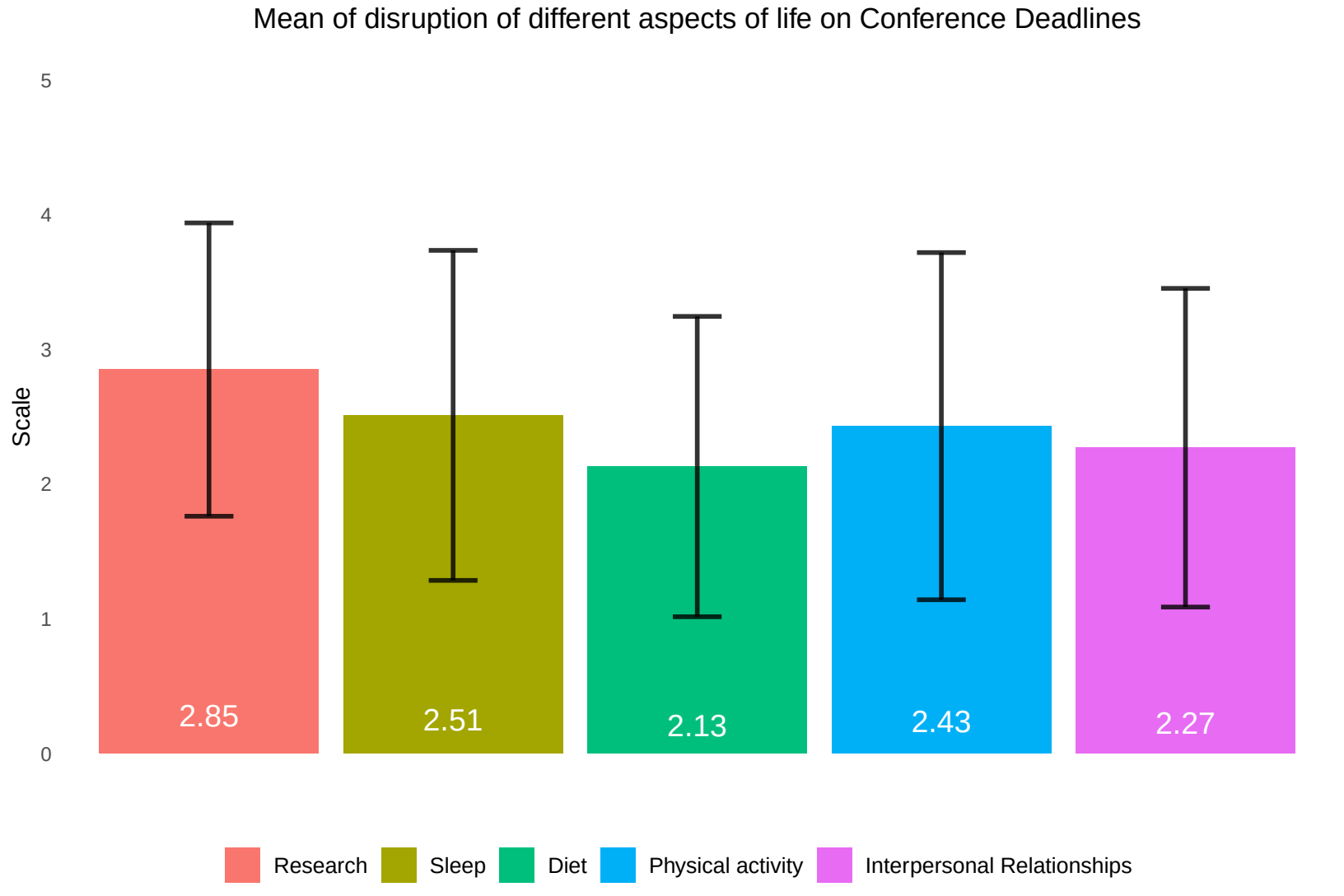

Work distribution a week before conference deadlines
Percentage [%]
100
75
50
25
0
Mean of work distribution a week before conference deadlines
Percentage [%]
100
75
50
25
0
60.45
21.82
11.25
9.43
Research
Teaching
Administration
Service/Outreach

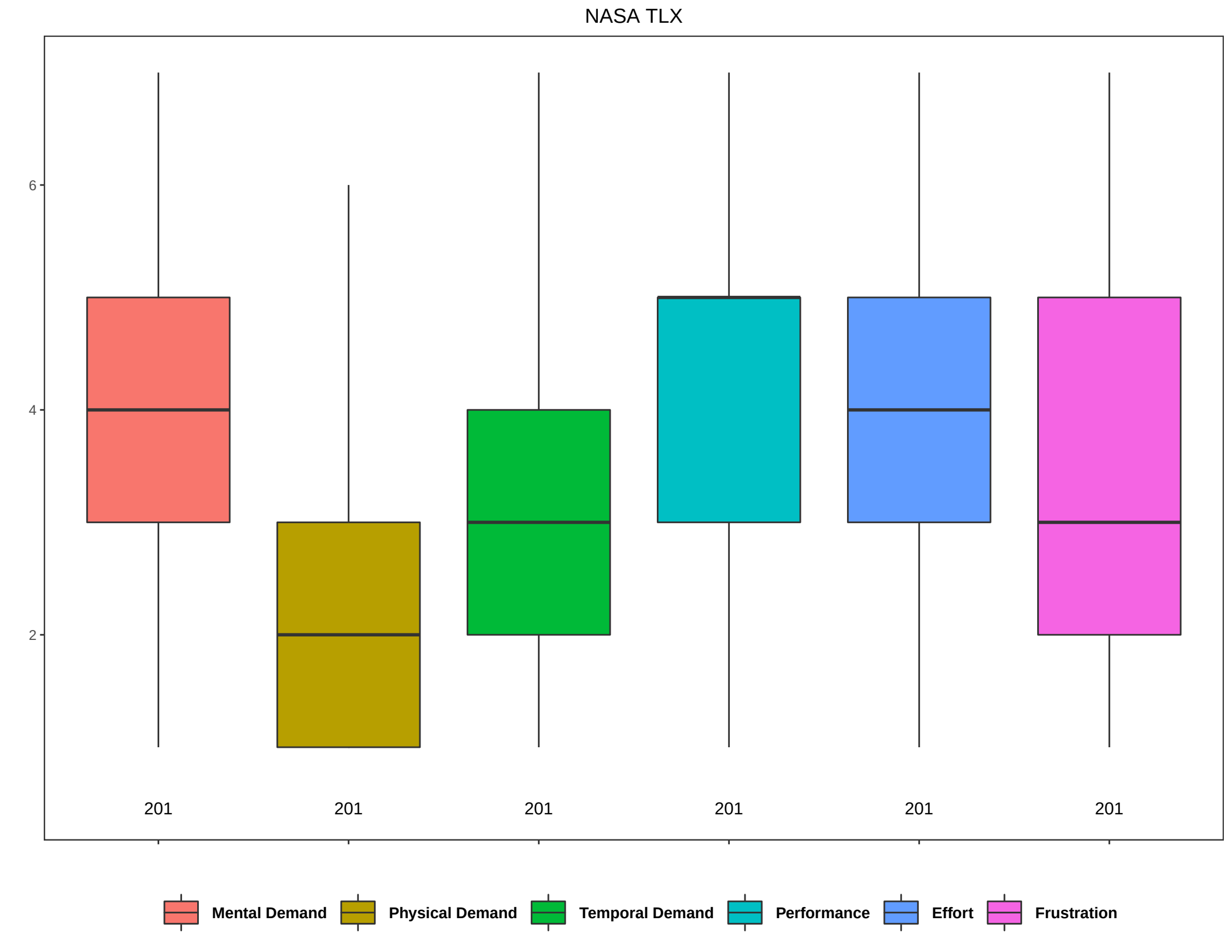

Work distribution on conference deadlines day
Percentage [%]
100
75
50
25
0
Mean of work distribution on conference deadlines day
Percentage [%]
100
75
50
25
0
65.8
18.82
12.68
5.94
Research
Teaching
Administration
Service/Outreach

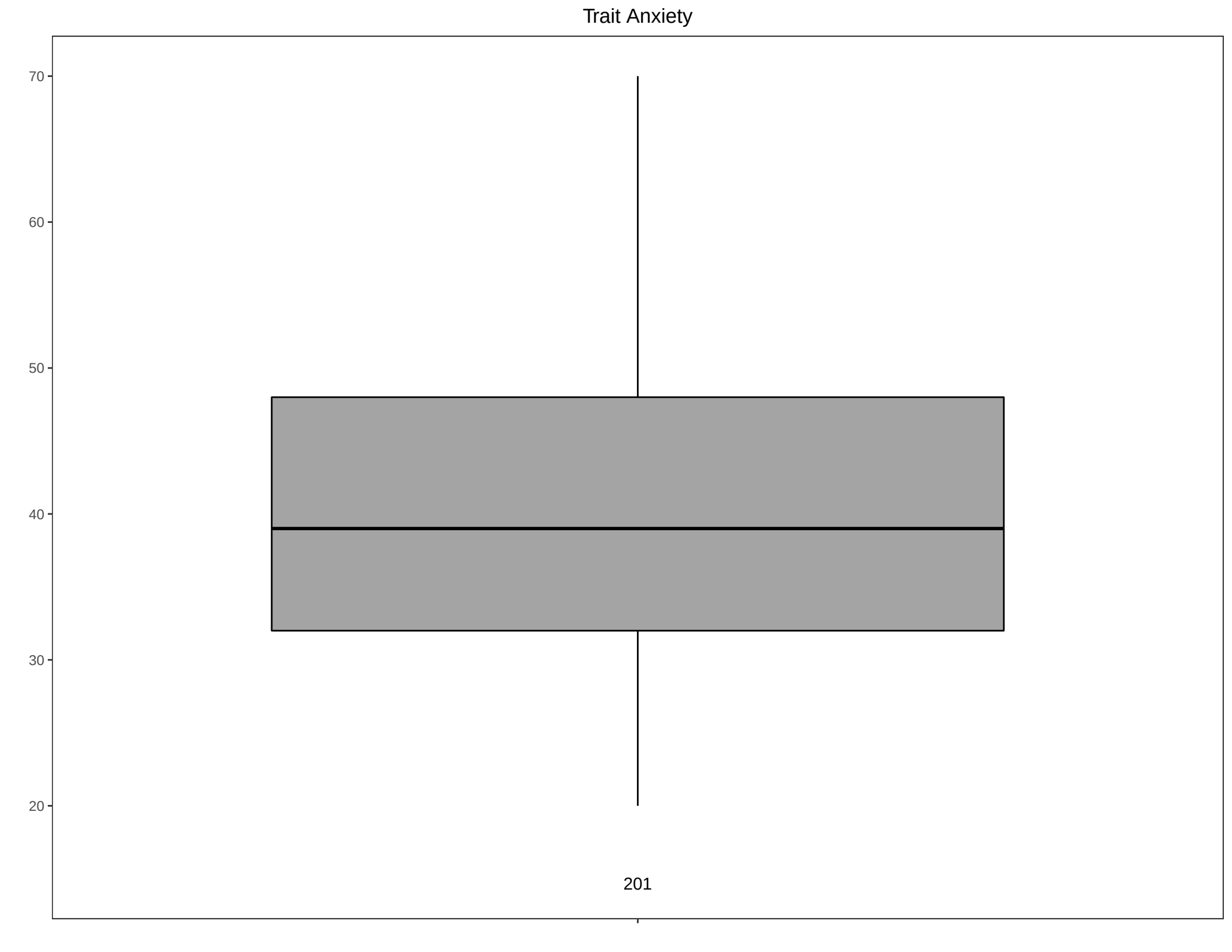
Disruption of different aspects of life on Proposal Deadlines
Scale
25
20
15
10
5
0

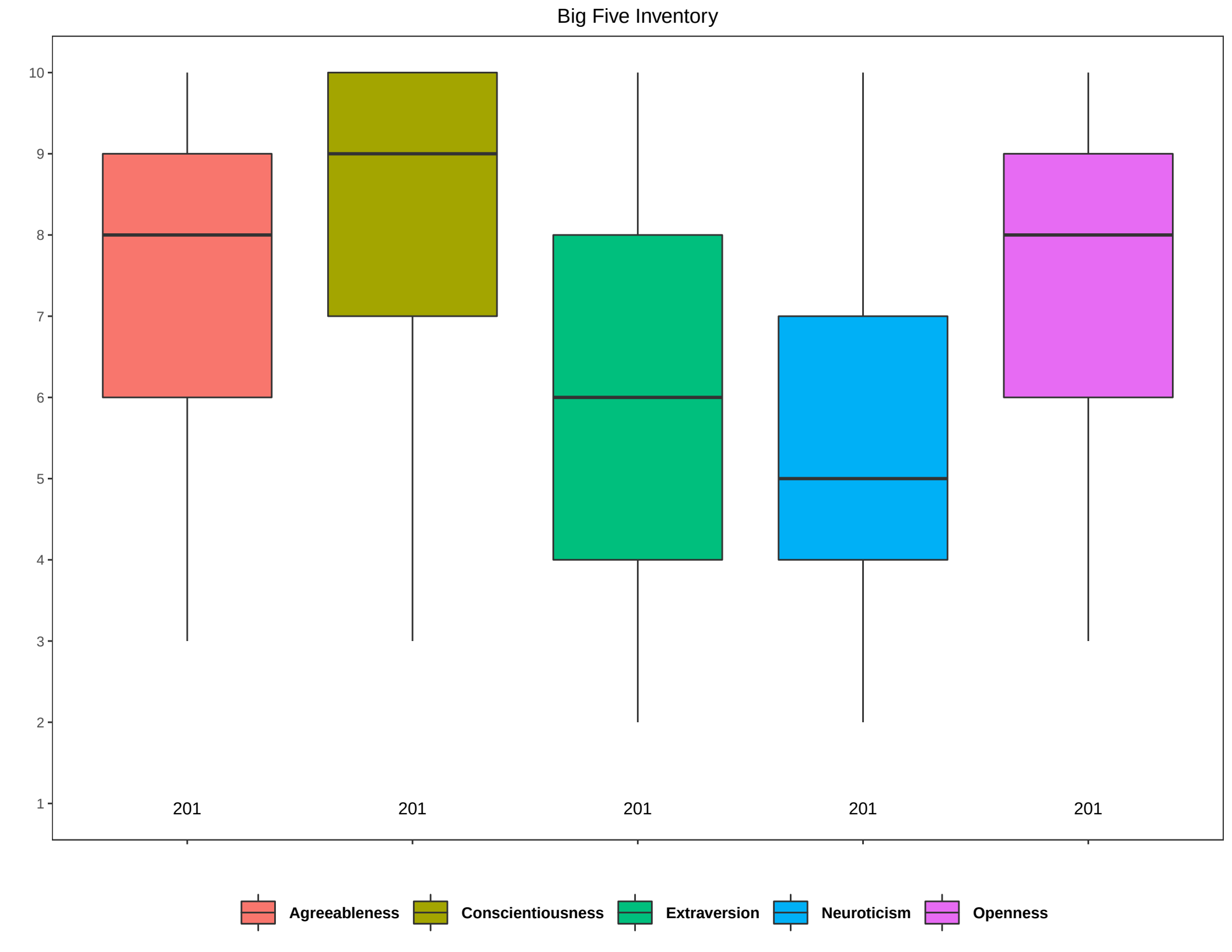

Mean of disruption of different aspects of life on Proposal Deadlines
Scale
5
4
3
2
1
0
3.25
3.03
2.39
2.94
2.8
Research
Sleep
Diet
Physical activity
Interpersonal Relationships

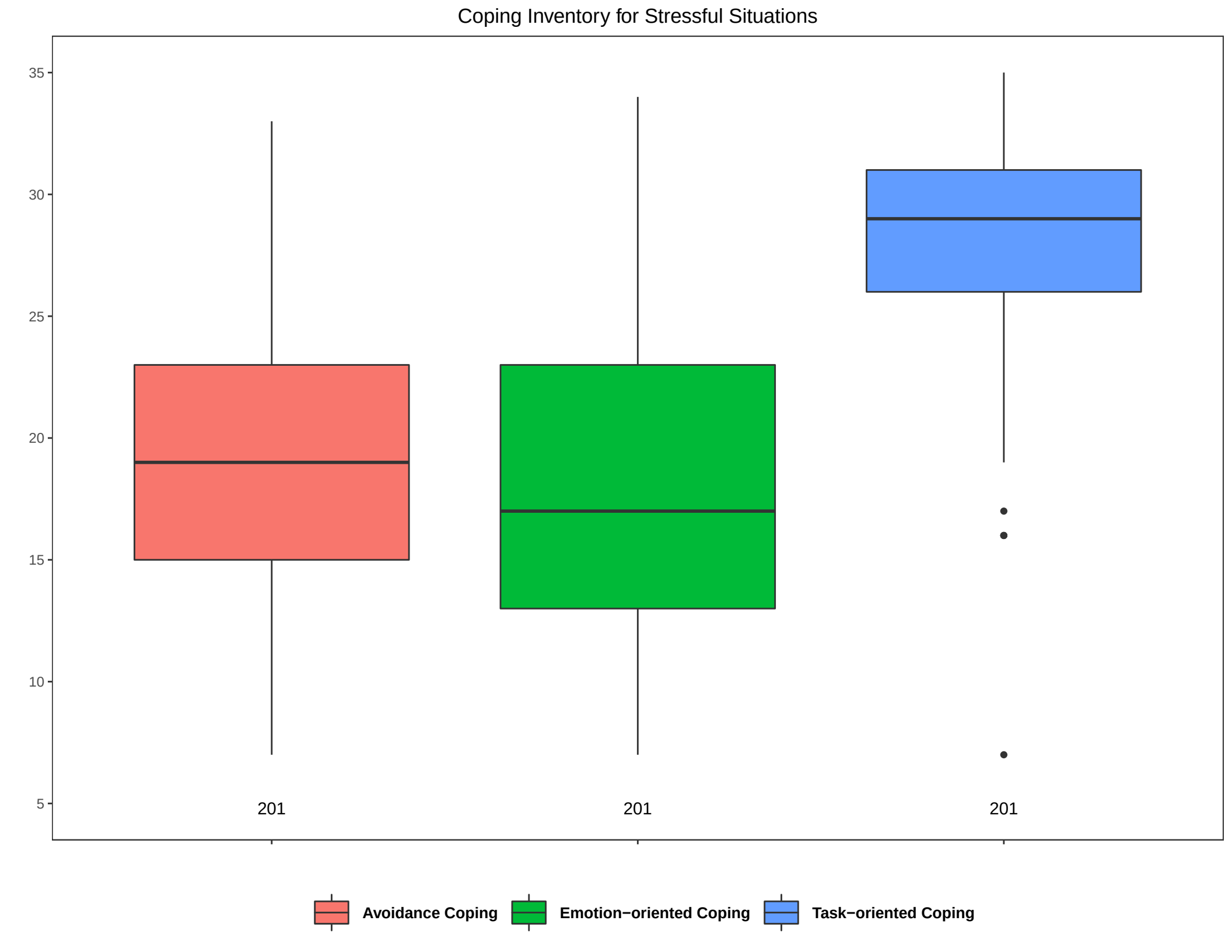

Disruption of different aspects of life on Conference Deadlines
Scale
25
20
15
10
5
0

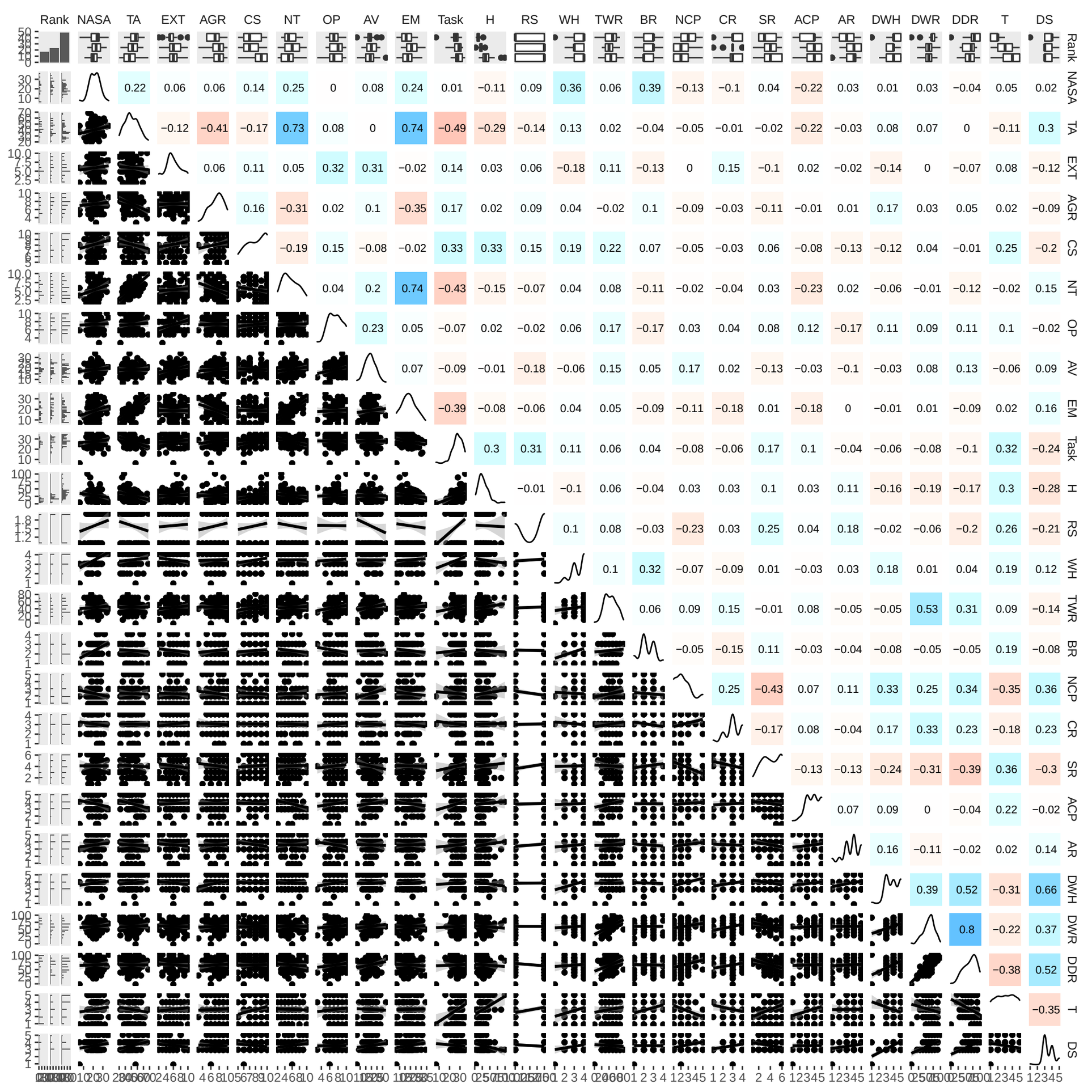

Mean of disruption of different aspects of life on Conference Deadlines
Scale
5
4
3
2
1
0
2.85
2.51
2.13
2.43
2.27
Research
Sleep
Diet
Physical activity
Interpersonal Relationships

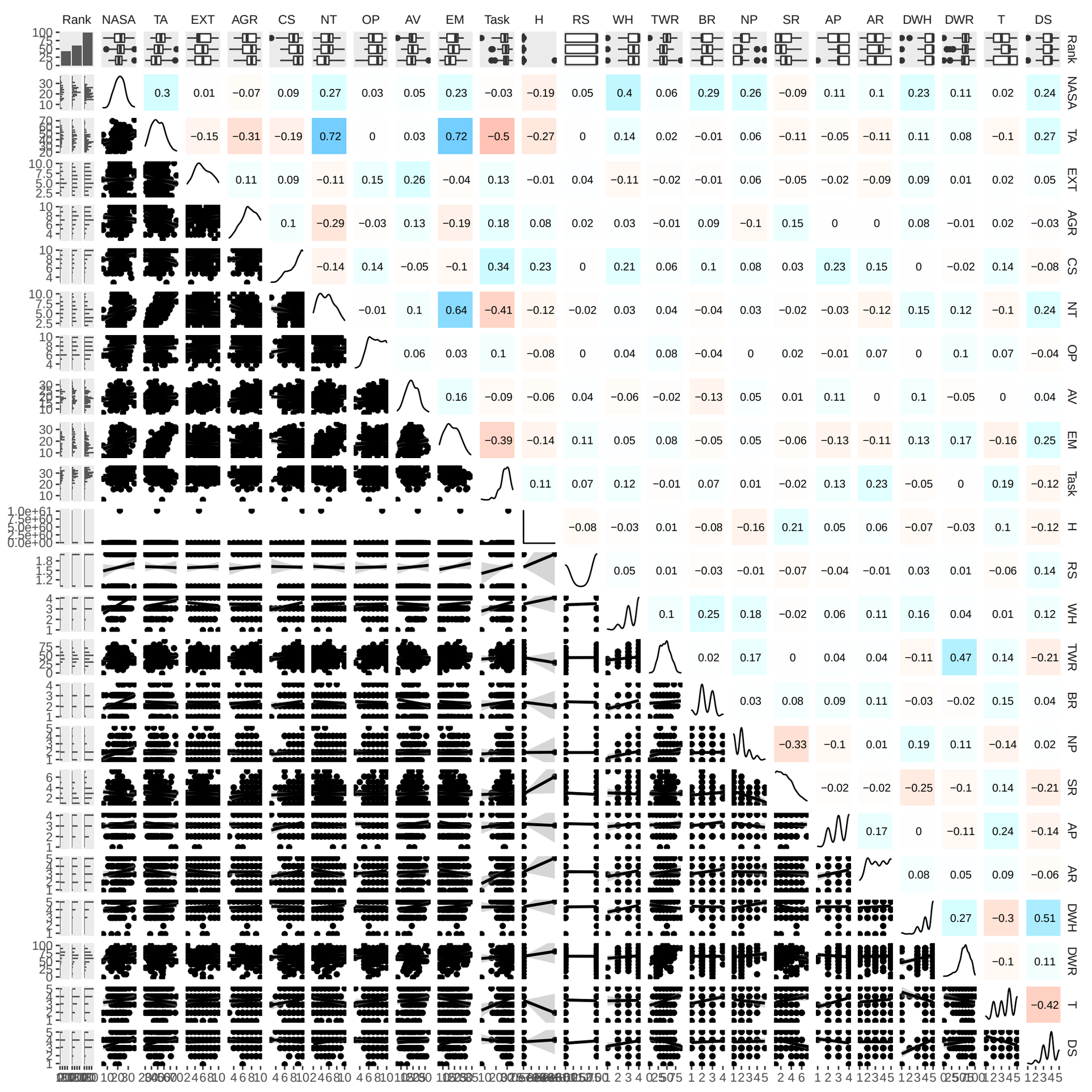

NASA TLX
6
4
2
201
201
201
201
201
201
Mental Demand
Physical Demand
Temporal Demand
Performance
Effort
Frustration


Trait Anxiety
70
60
50
40
30
20
201

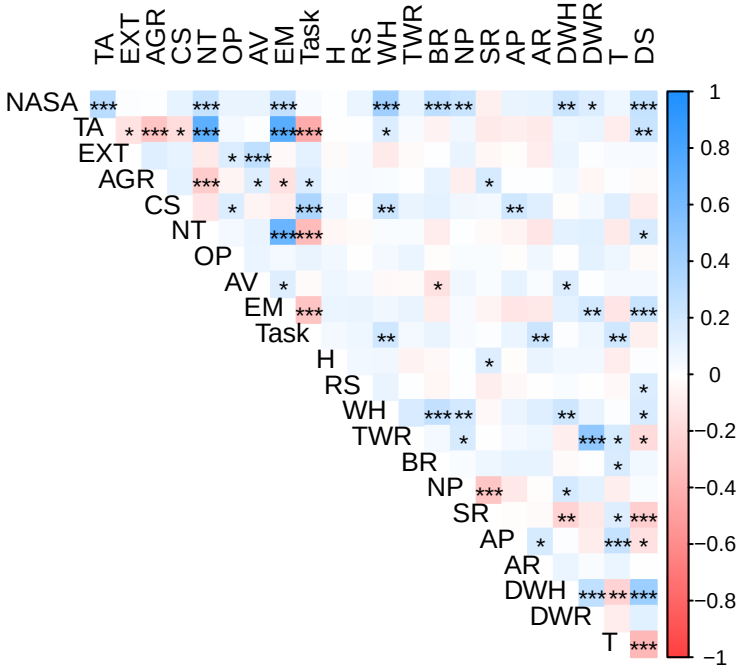

Big Five Inventory
10
9
8
7
6
5
4
3
2
1
201
201
201
201
201
Agreeableness
Conscientiousness
Extraversion
Neuroticism
Openness


Coping Inventory for Stressful Situations
35
30
25
20
15
10
5
201
201
201
Avoidance Coping
Emotion−oriented Coping
Task−oriented Coping

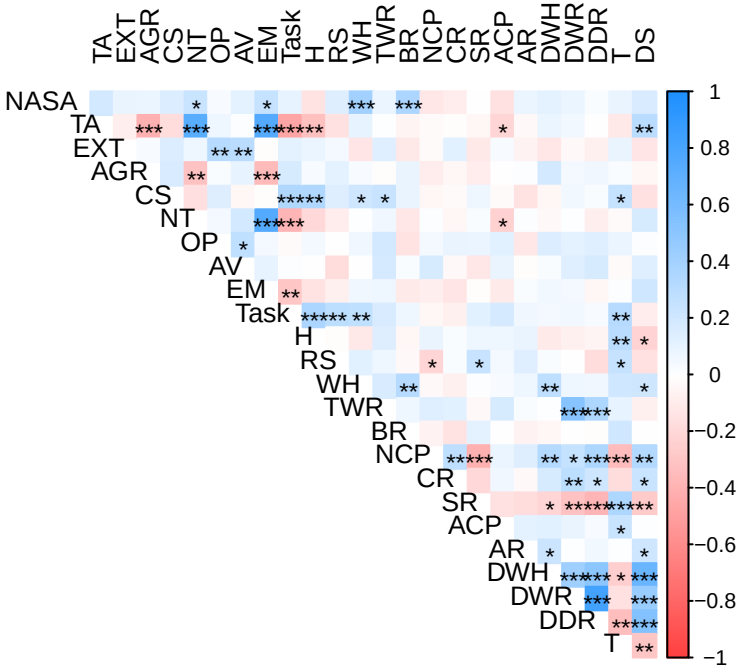

Rank NASA TA EXT AGR CS NT OP AV EM Task H RS WH TWR BR NCP CR SR ACP AR DWH DWR DDR T DS
Rank
NASA 0.22 0.06 0.06 0.14 0.25 0 0.08 0.24 0.01 −0.11 0.09 0.36 0.06 0.39 −0.13 −0.1 0.04 −0.22 0.03 0.01 0.03 −0.04 0.05 0.02
TA −0.12 −0.41 −0.17 0.73 0.08 0 0.74 −0.49 −0.29 −0.14 0.13 0.02 −0.04 −0.05 −0.01 −0.02 −0.22 −0.03 0.08 0.07 0 −0.11 0.3
EXT 0.06 0.11 0.05 0.32 0.31 −0.02 0.14 0.03 0.06 −0.18 0.11 −0.13 0 0.15 −0.1 0.02 −0.02 −0.14 0 −0.07 0.08 −0.12
AGR 0.16 −0.31 0.02 0.1 −0.35 0.17 0.02 0.09 0.04 −0.02 0.1 −0.09 −0.03 −0.11 −0.01 0.01 0.17 0.03 0.05 0.02 −0.09
CS −0.19 0.15 −0.08 −0.02 0.33 0.33 0.15 0.19 0.22 0.07 −0.05 −0.03 0.06 −0.08 −0.13 −0.12 0.04 −0.01 0.25 −0.2
NT 0.04 0.2 0.74 −0.43 −0.15 −0.07 0.04 0.08 −0.11 −0.02 −0.04 0.03 −0.23 0.02 −0.06 −0.01 −0.12 −0.02 0.15
OP 0.23 0.05 −0.07 0.02 −0.02 0.06 0.17 −0.17 0.03 0.04 0.08 0.12 −0.17 0.11 0.09 0.11 0.1 −0.02
AV 0.07 −0.09 −0.01 −0.18 −0.06 0.15 0.05 0.17 0.02 −0.13 −0.03 −0.1 −0.03 0.08 0.13 −0.06 0.09
EM −0.39 −0.08 −0.06 0.04 0.05 −0.09 −0.11 −0.18 0.01 −0.18 0 −0.01 0.01 −0.09 0.02 0.16
Task 0.3 0.31 0.11 0.06 0.04 −0.08 −0.06 0.17 0.1 −0.04 −0.06 −0.08 −0.1 0.32 −0.24
H −0.01 −0.1 0.06 −0.04 0.03 0.03 0.1 0.03 0.11 −0.16 −0.19 −0.17 0.3 −0.28
RS 0.1 0.08 −0.03 −0.23 0.03 0.25 0.04 0.18 −0.02 −0.06 −0.2 0.26 −0.21
WH 0.1 0.32 −0.07 −0.09 0.01 −0.03 0.03 0.18 0.01 0.04 0.19 0.12
TWR 0.06 0.09 0.15 −0.01 0.08 −0.05 −0.05 0.53 0.31 0.09 −0.14
BR −0.05 −0.15 0.11 −0.03 −0.04 −0.08 −0.05 −0.05 0.19 −0.08
NCP 0.25 −0.43 0.07 0.11 0.33 0.25 0.34 −0.35 0.36
CR −0.17 0.08 −0.04 0.17 0.33 0.23 −0.18 0.23
SR −0.13 −0.13 −0.24 −0.31 −0.39 0.36 −0.3
ACP 0.07 0.09 0 −0.04 0.22 −0.02
AR 0.16 −0.11 −0.02 0.02 0.14
DWH 0.39 0.52 −0.31 0.66
DWR 0.8 −0.22 0.37
DDR −0.38 0.52
T −0.35
DS


Rank NASA TA EXT AGR CS NT OP AV EM Task H RS WH TWR BR NP SR AP AR DWH DWR T DS
Rank NASA TA EXT AGR CS NT OP AV EM Task H RS WH TWR BR NP SR AP AR DWH DWR T DS

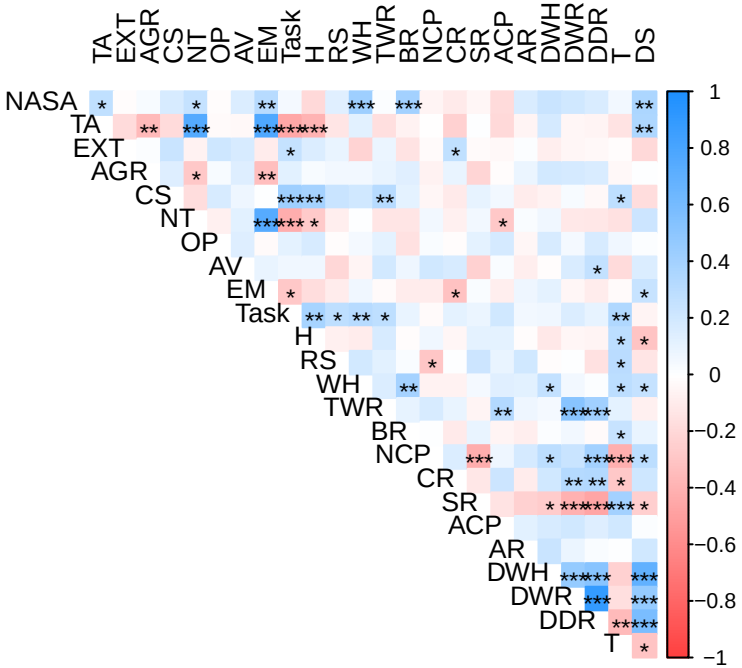
Proposals



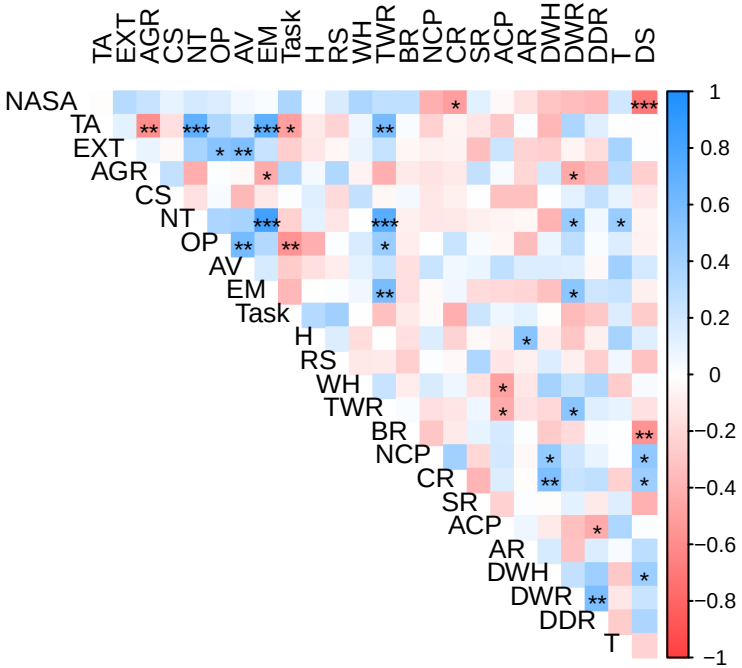
Conference papers

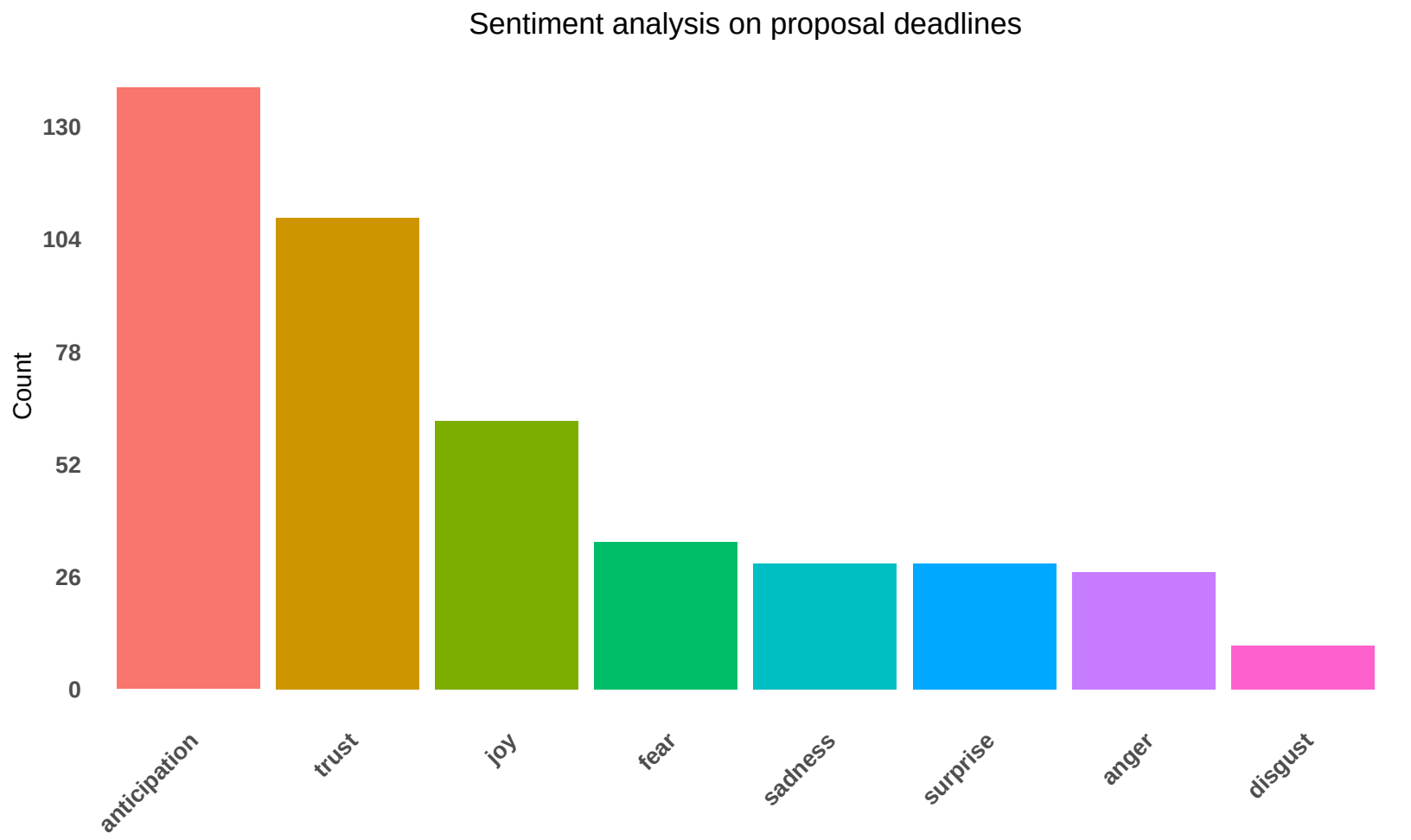


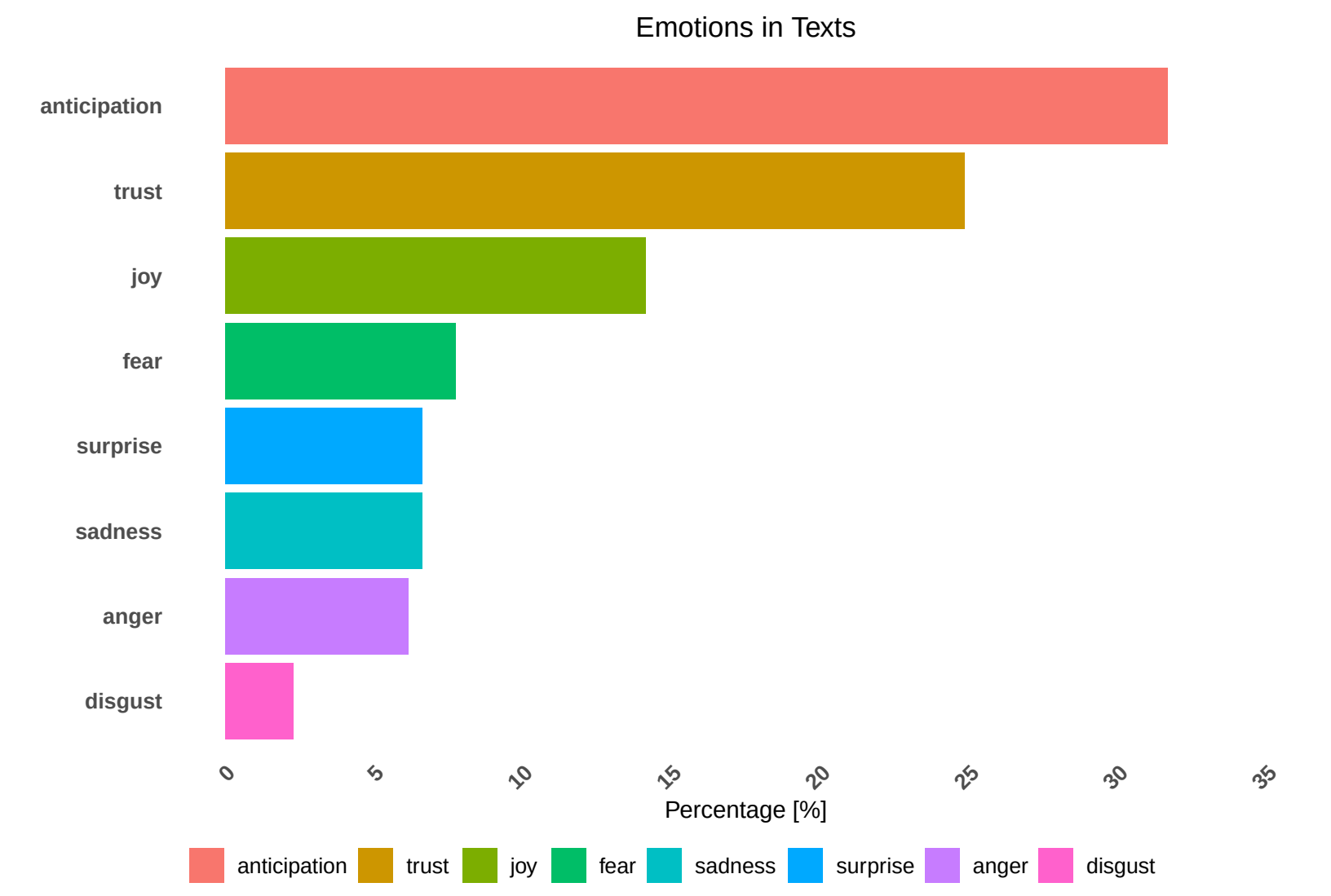
A−A* conference papers

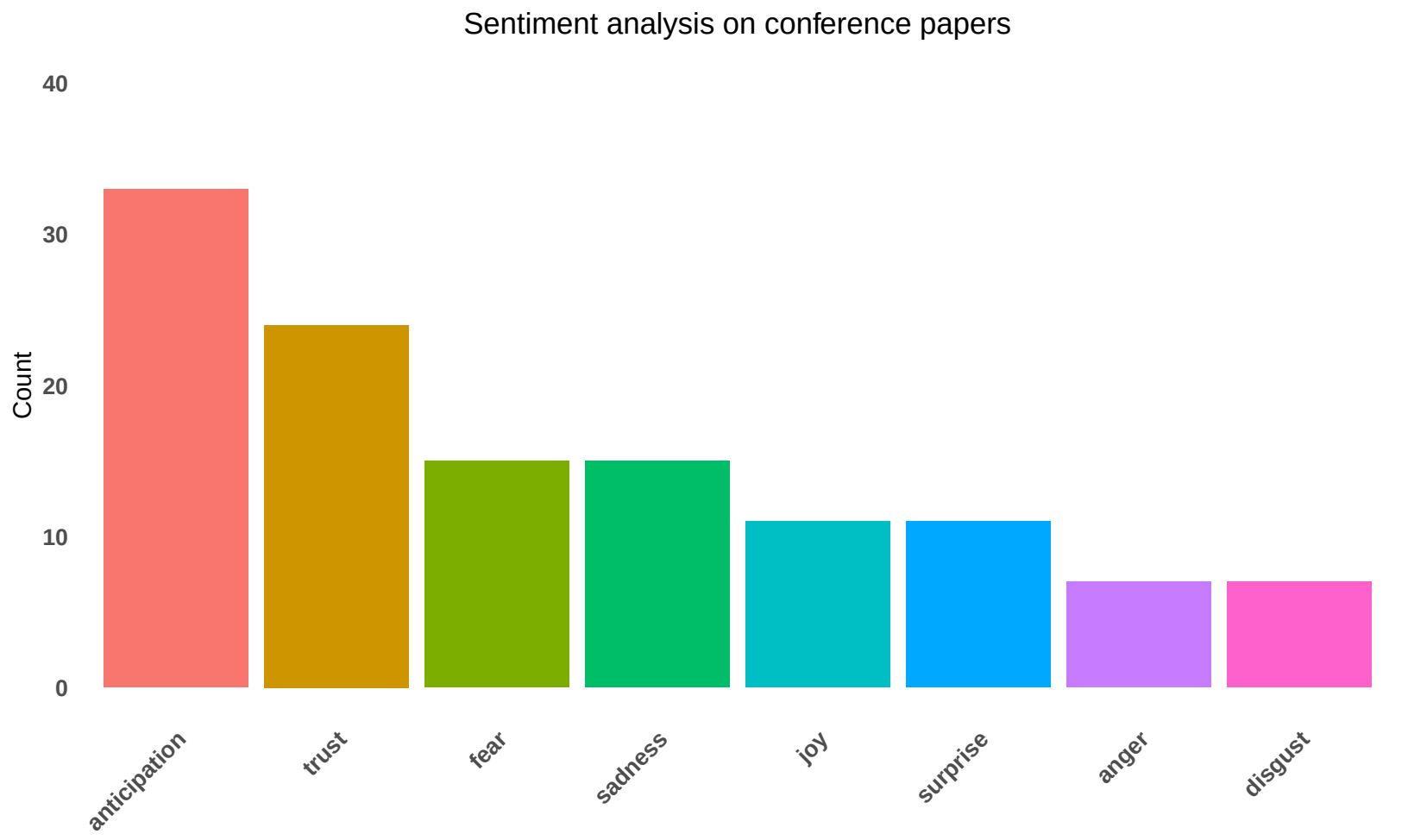


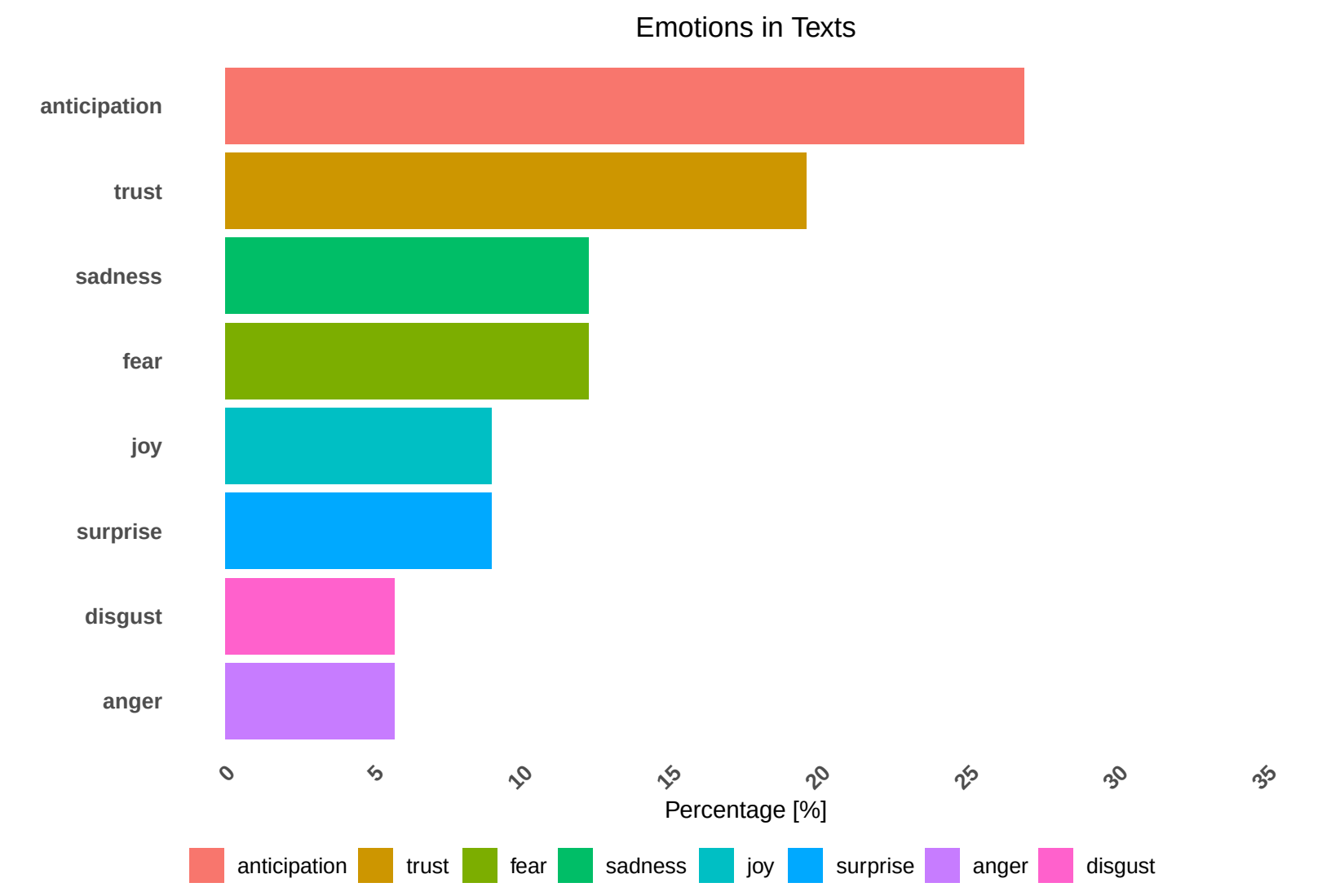
B−C conference papers




Sentiment analysis on proposal deadlines
Count
130
104
78
52
26
0
anticipation
trust
joy
fear
sadness
surprise
anger
disgust


Emotions in Texts
anticipation
trust
joy
fear
surprise
sadness
anger
disgust
0
5
10
15
20
25
30
35
Percentage [%]
anticipation
trust
joy
fear
sadness
surprise
anger
disgust


Sentiment analysis on conference papers
Count
40
30
20
10
0
anticipation
trust
fear
sadness
joy
surprise
anger
disgust


Emotions in Texts
anticipation
trust
sadness
fear
joy
surprise
disgust
anger
0
5
10
15
20
25
30
35
Percentage [%]
anticipation
trust
fear
sadness
joy
surprise
anger
disgust