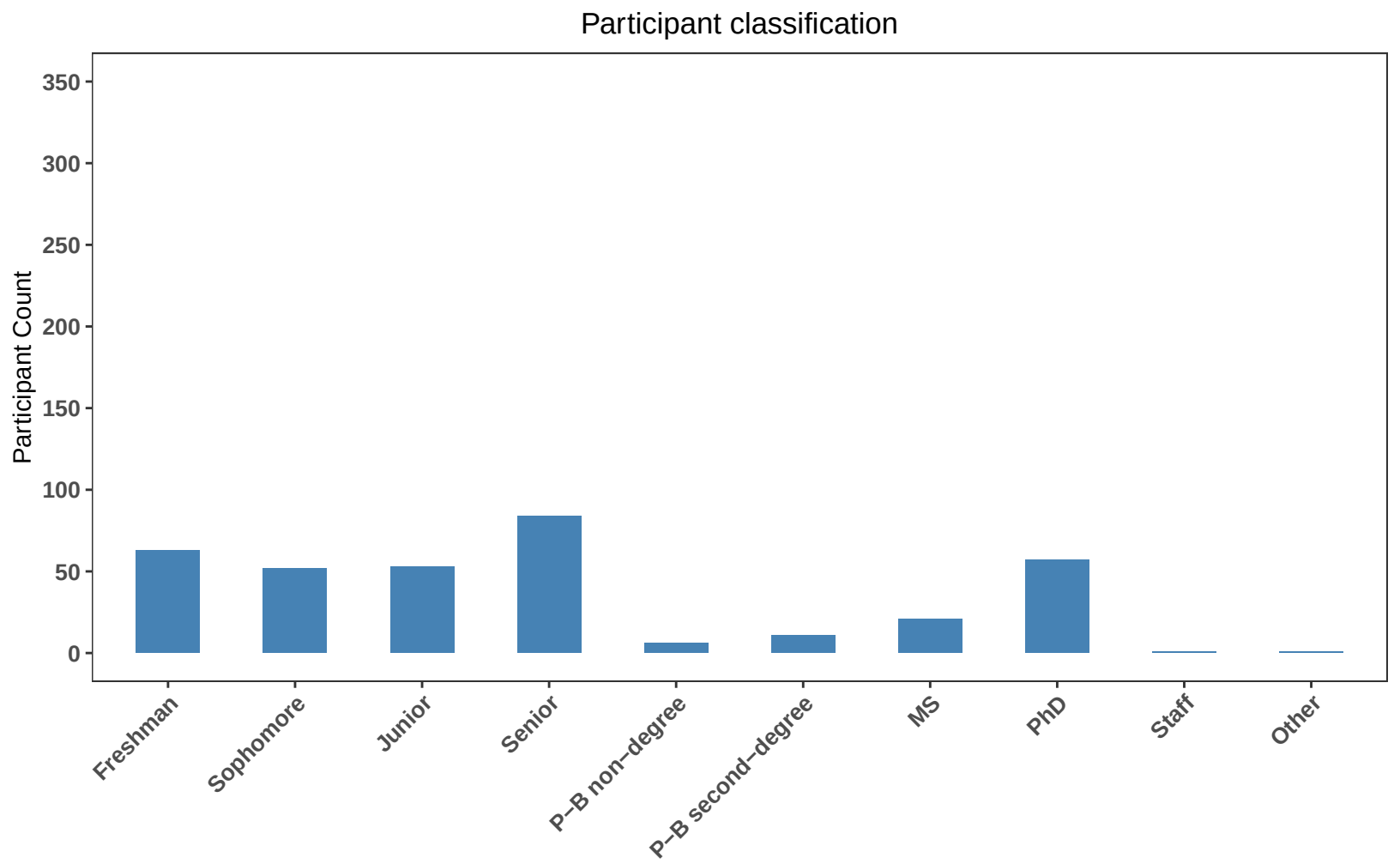
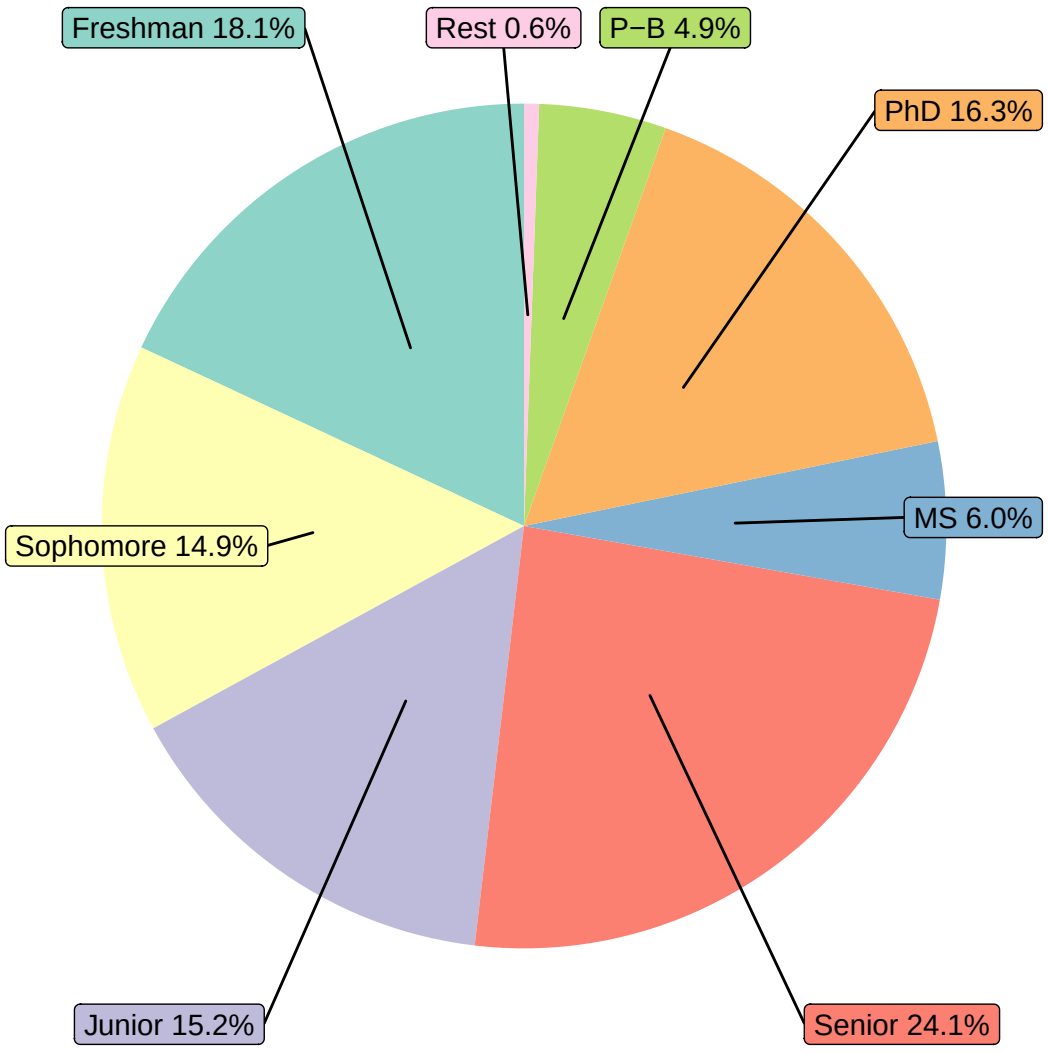
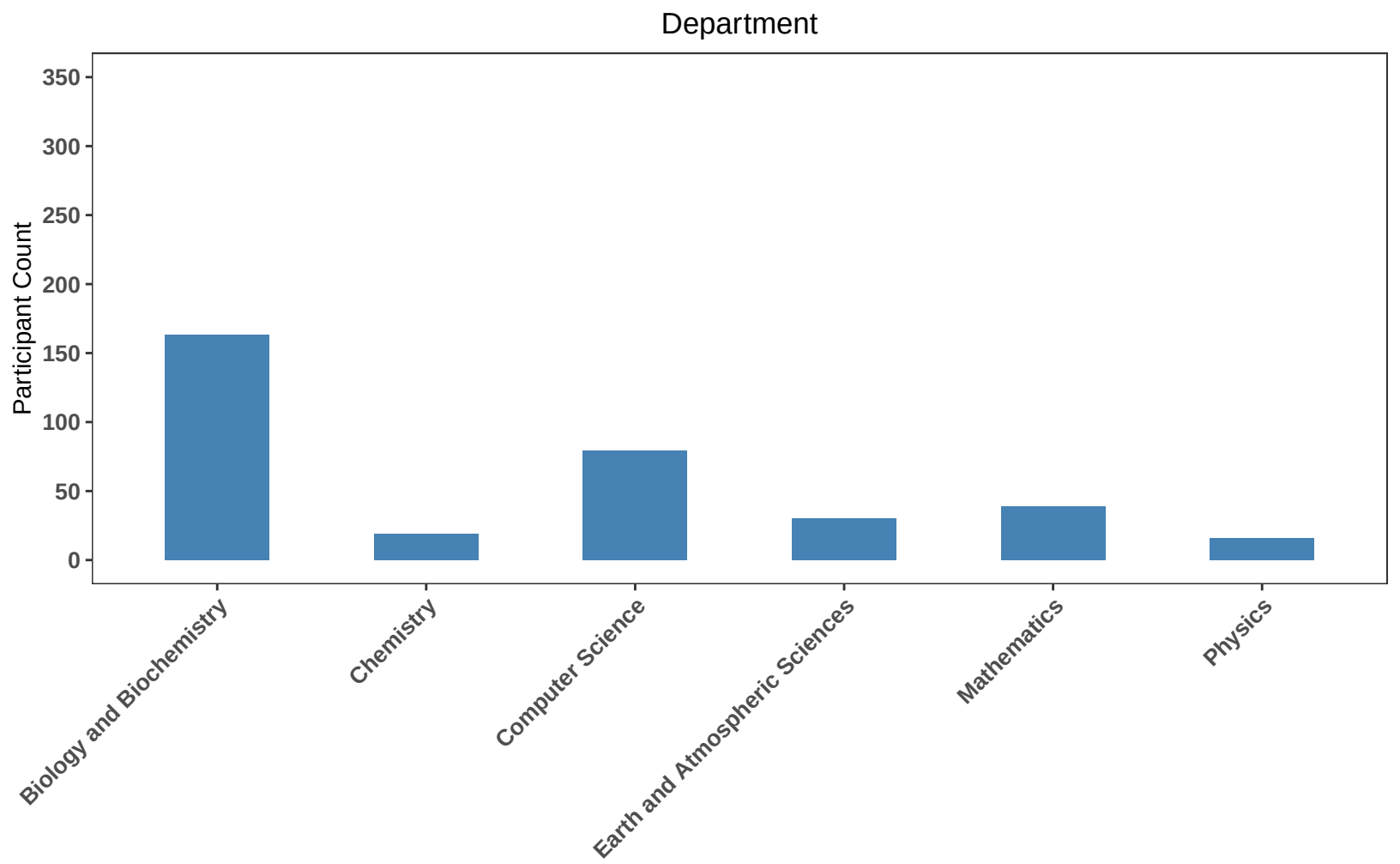
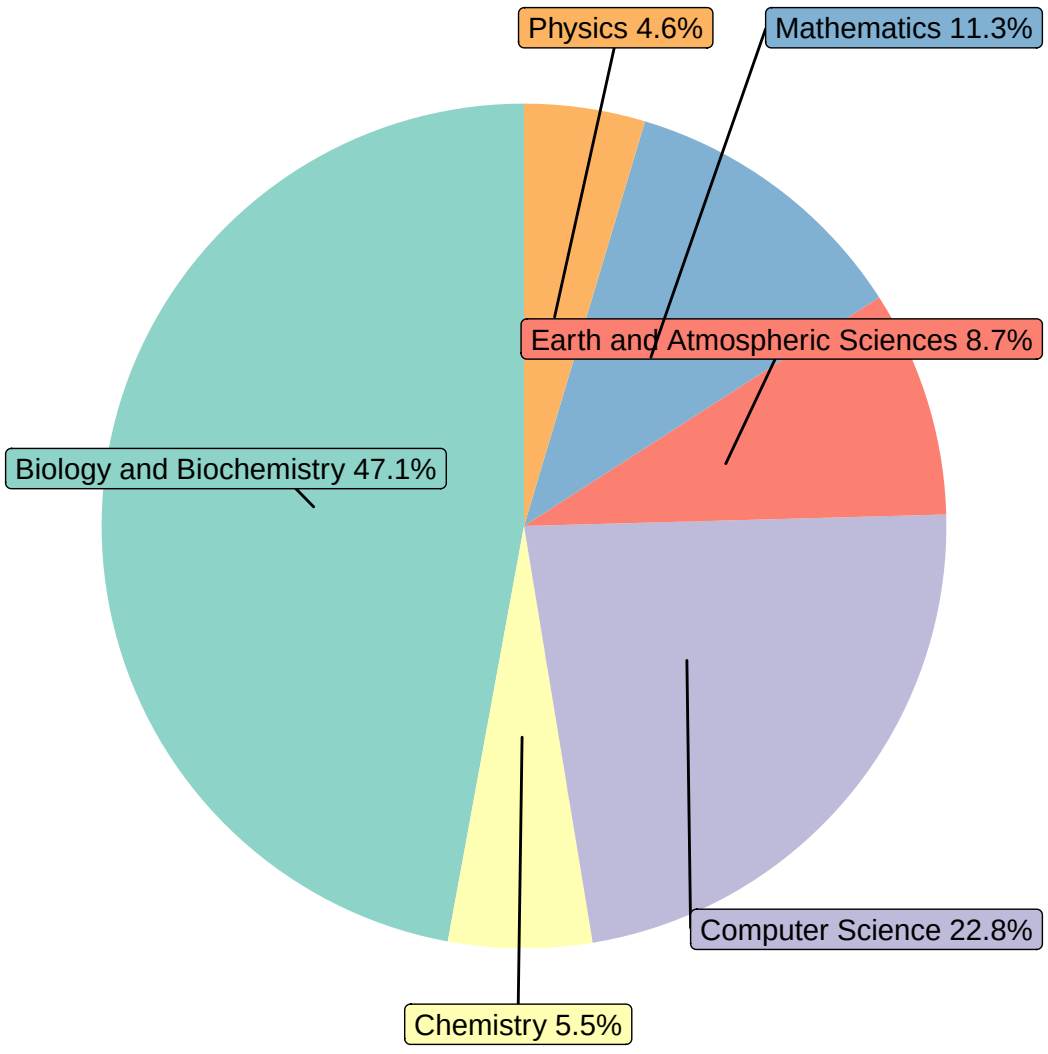
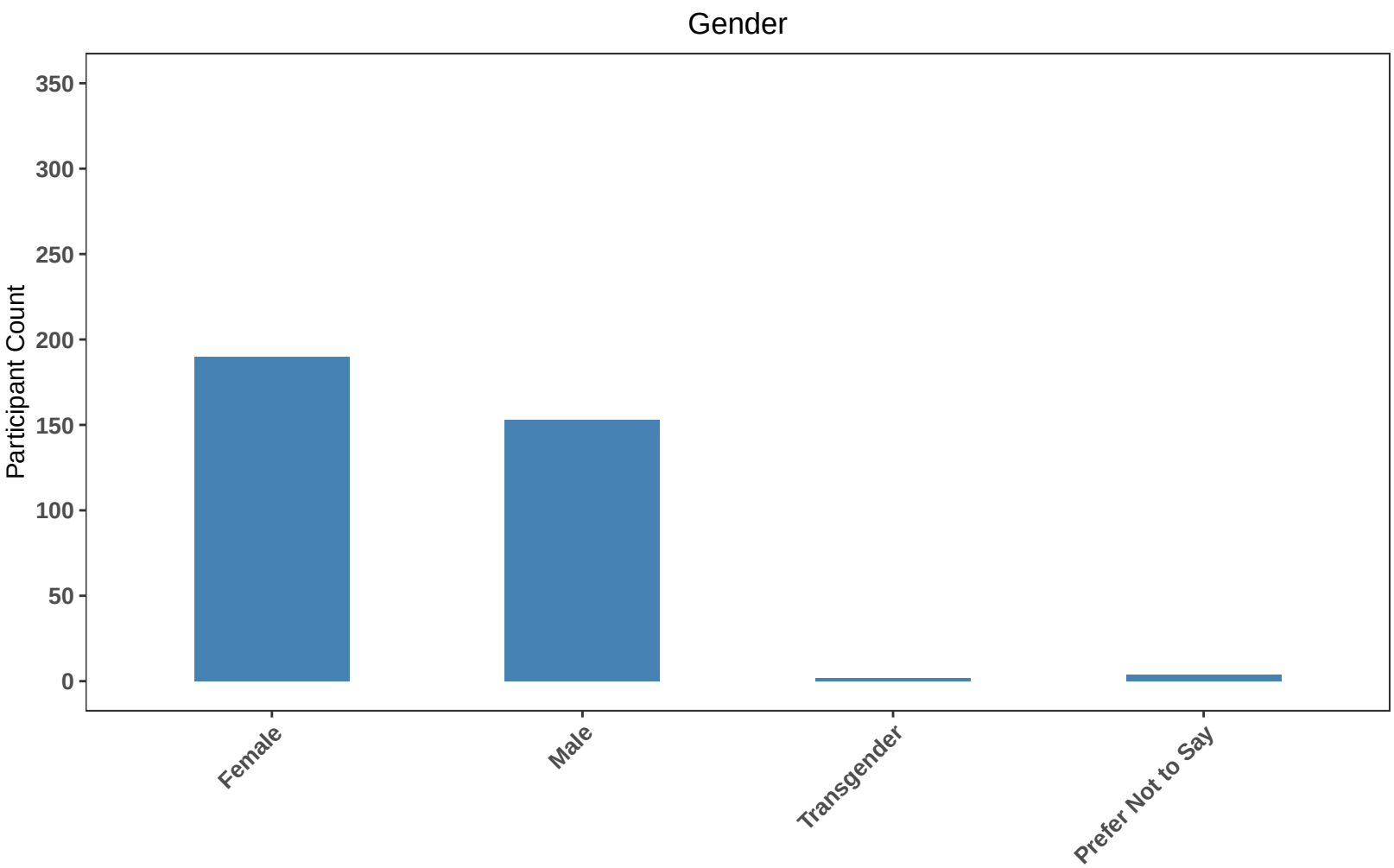
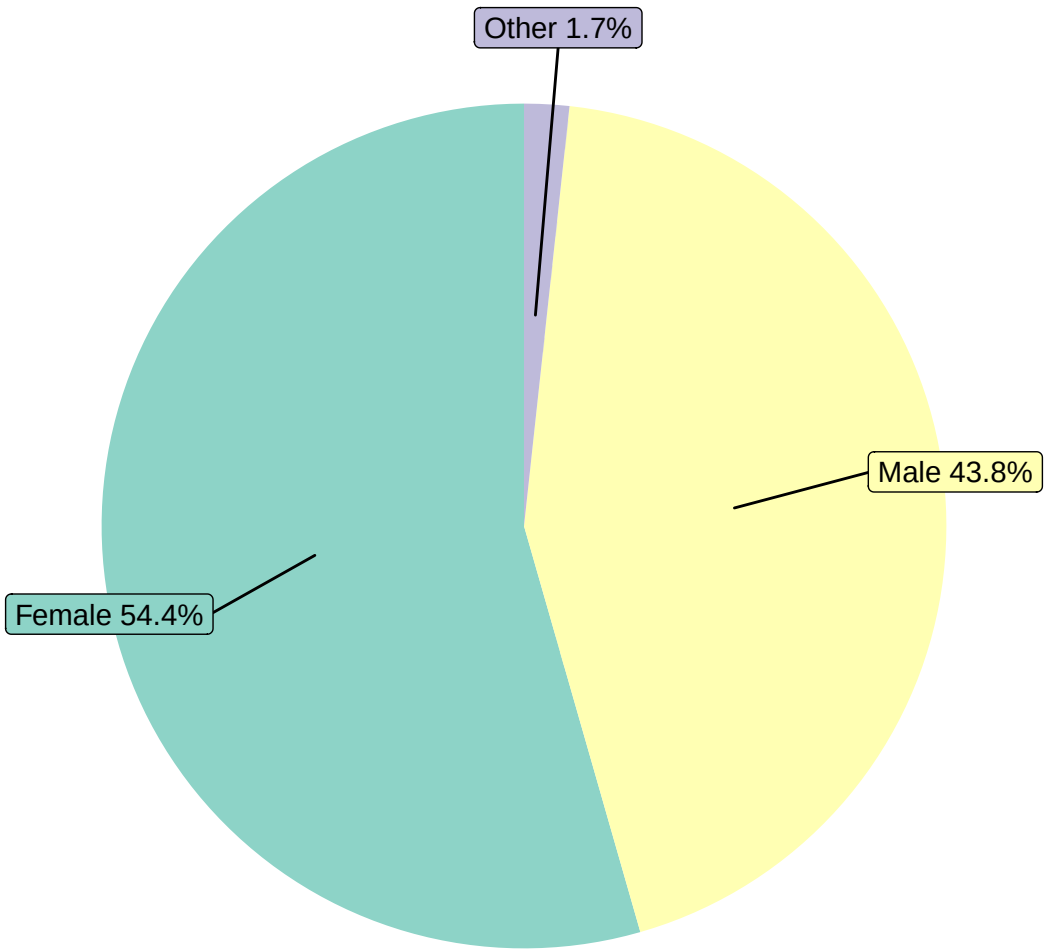

Participant classification
Participant Count
350
300
250
200
150
100
50
0
Freshman
Sophomore
Junior
Senior
P−B non−degree
P−B second−degree
MS
PhD
Staff
Other

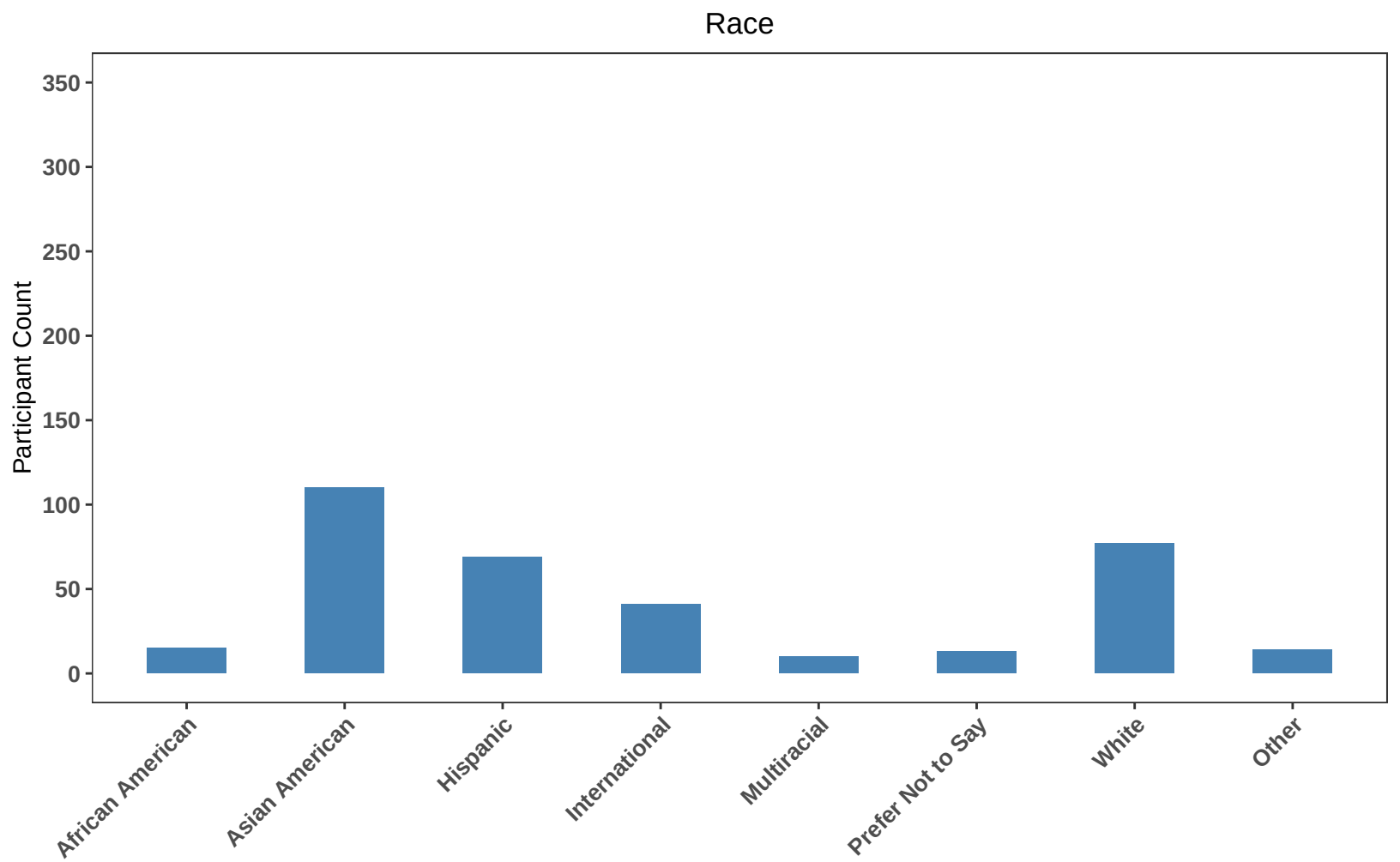

Freshman 18.1%
Rest 0.6%
P−B 4.9%
PhD 16.3%
MS 6.0%
Sophomore 14.9%
Junior 15.2%
Senior 24.1%

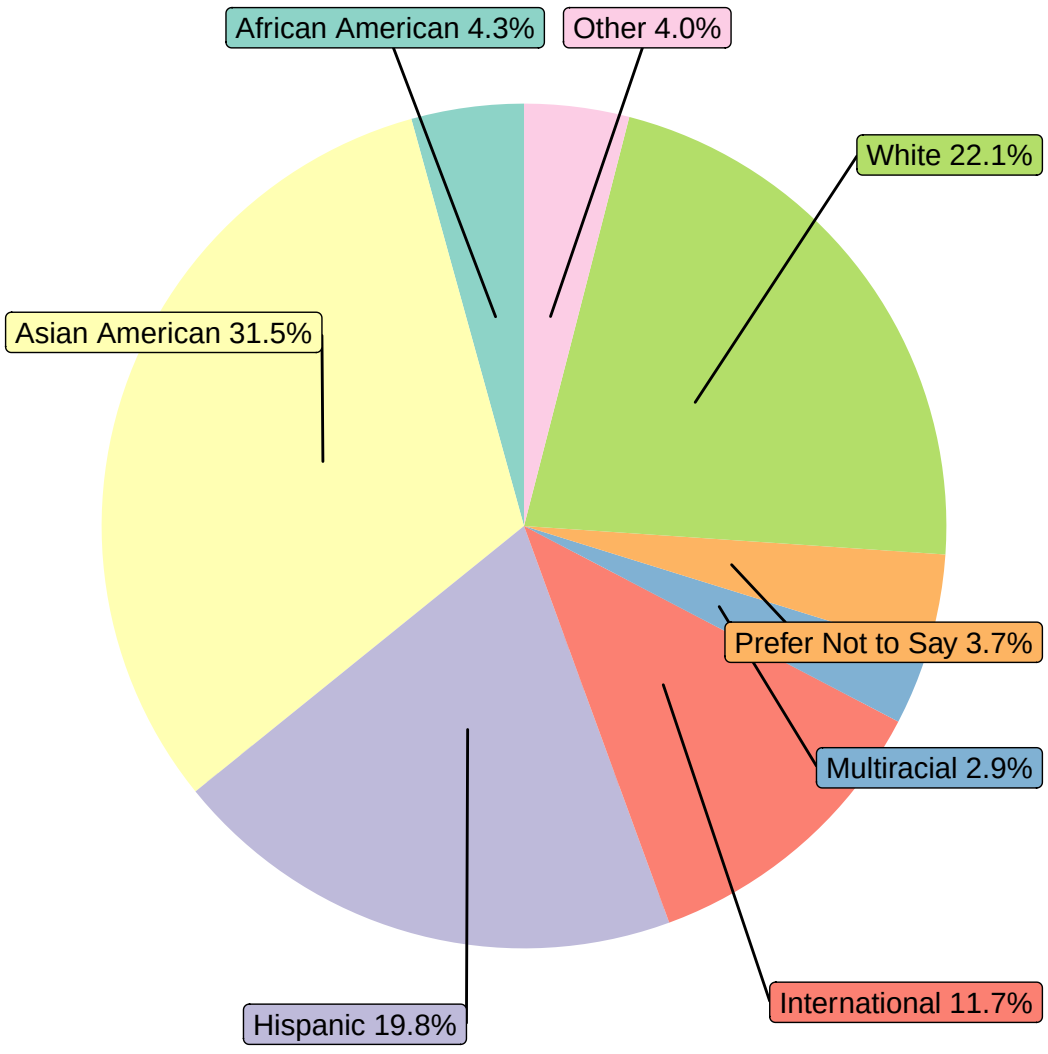

Department
Participant Count
350
300
250
200
150
100
50
0
Biology and Biochemistry
Chemistry
Computer Science
Earth and Atmospheric Sciences
Mathematics
Physics

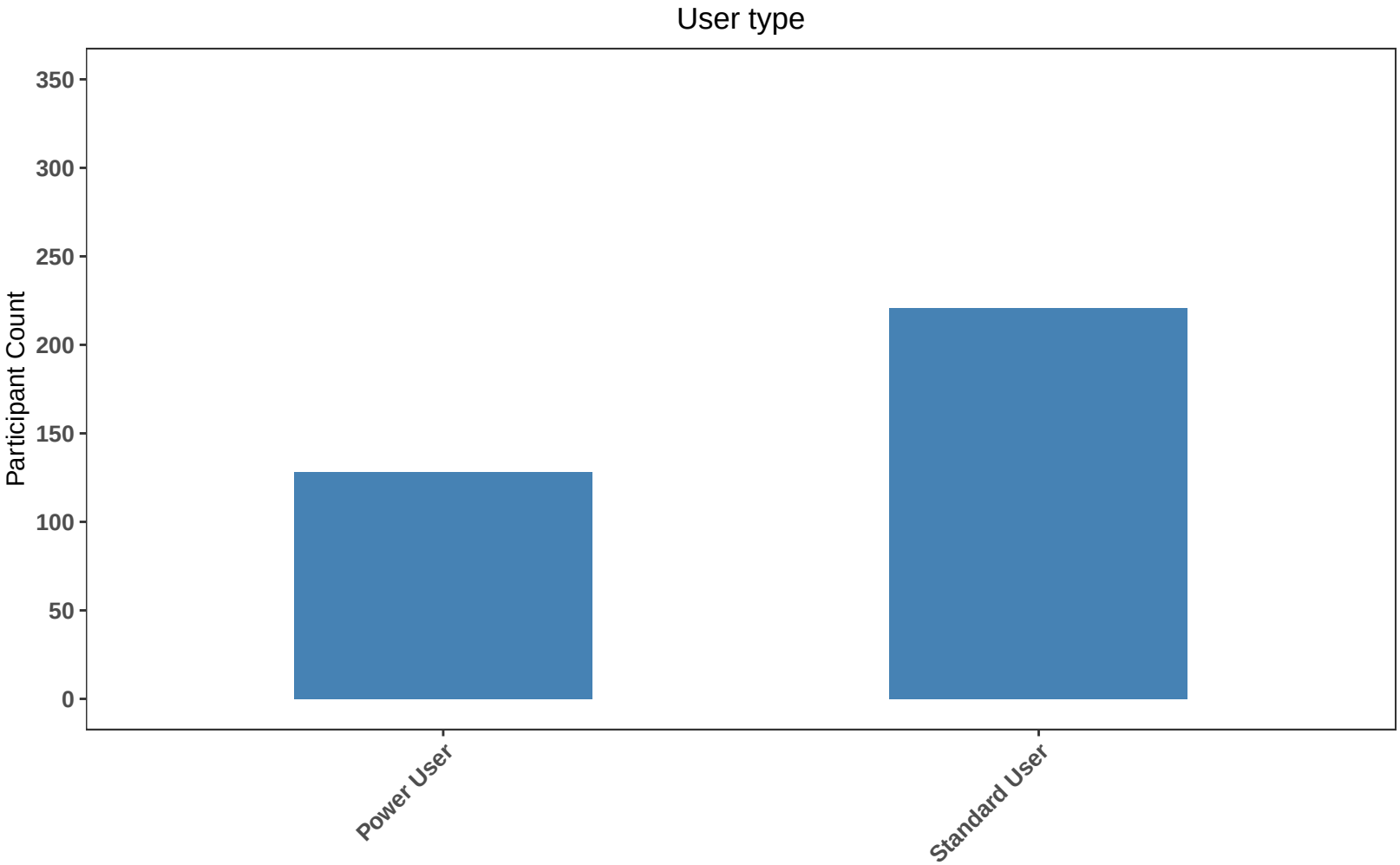

Physics 4.6%
Mathematics 11.3%
Earth and Atmospheric Sciences 8.7%
Biology and Biochemistry 47.1%
Computer Science 22.8%
Chemistry 5.5%

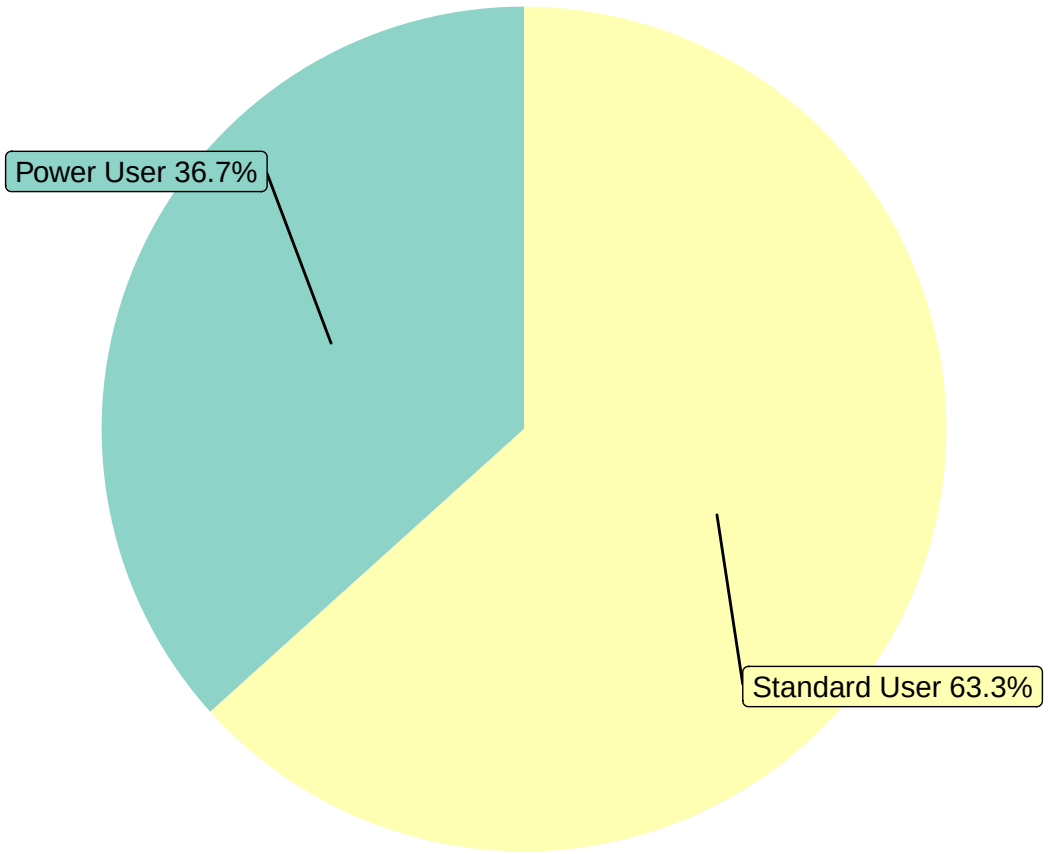

Gender
Participant Count
350
300
250
200
150
100
50
0
Female
Male
Transgender
Prefer Not to Say

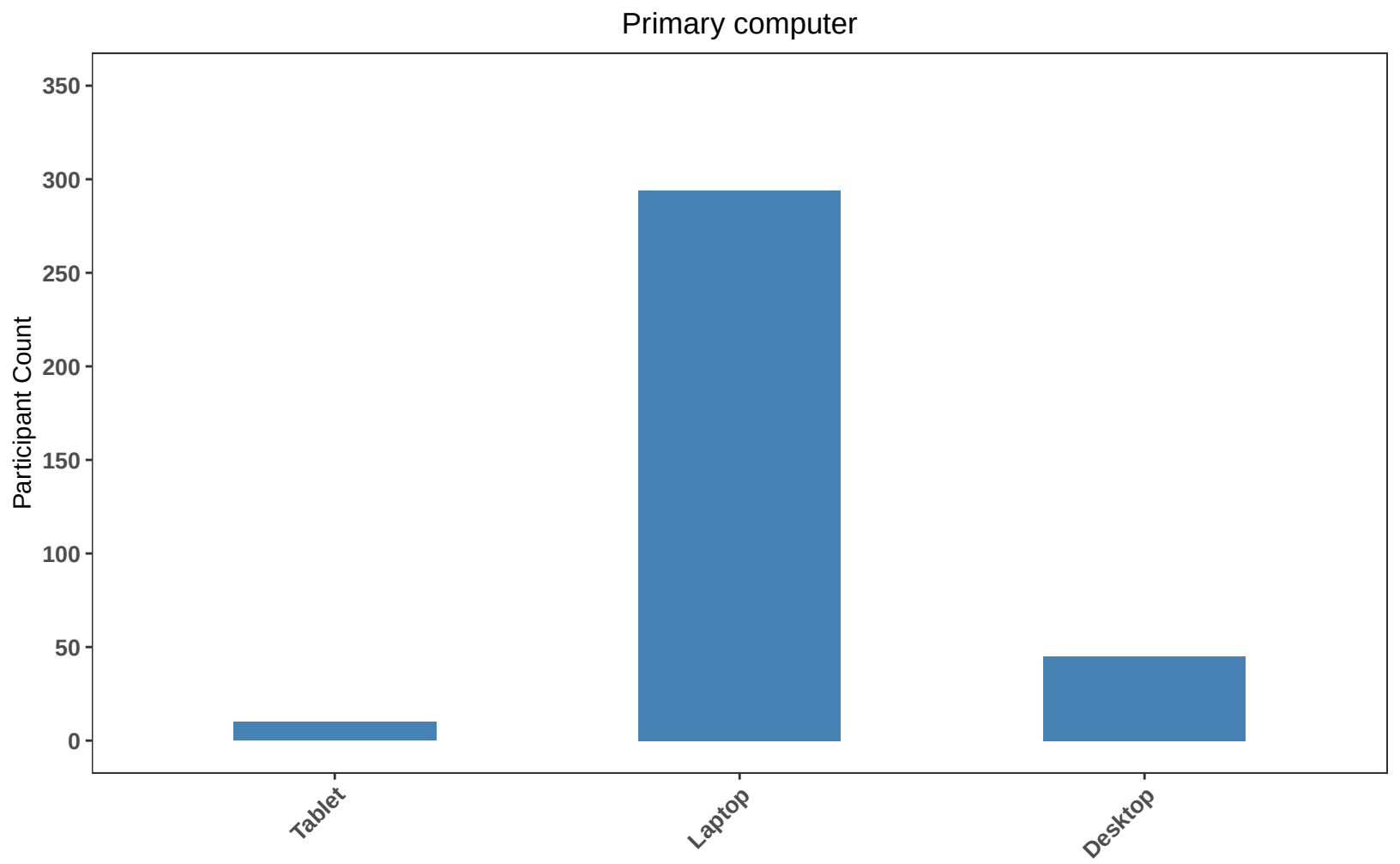

Other 1.7%
Male 43.8%
Female 54.4%

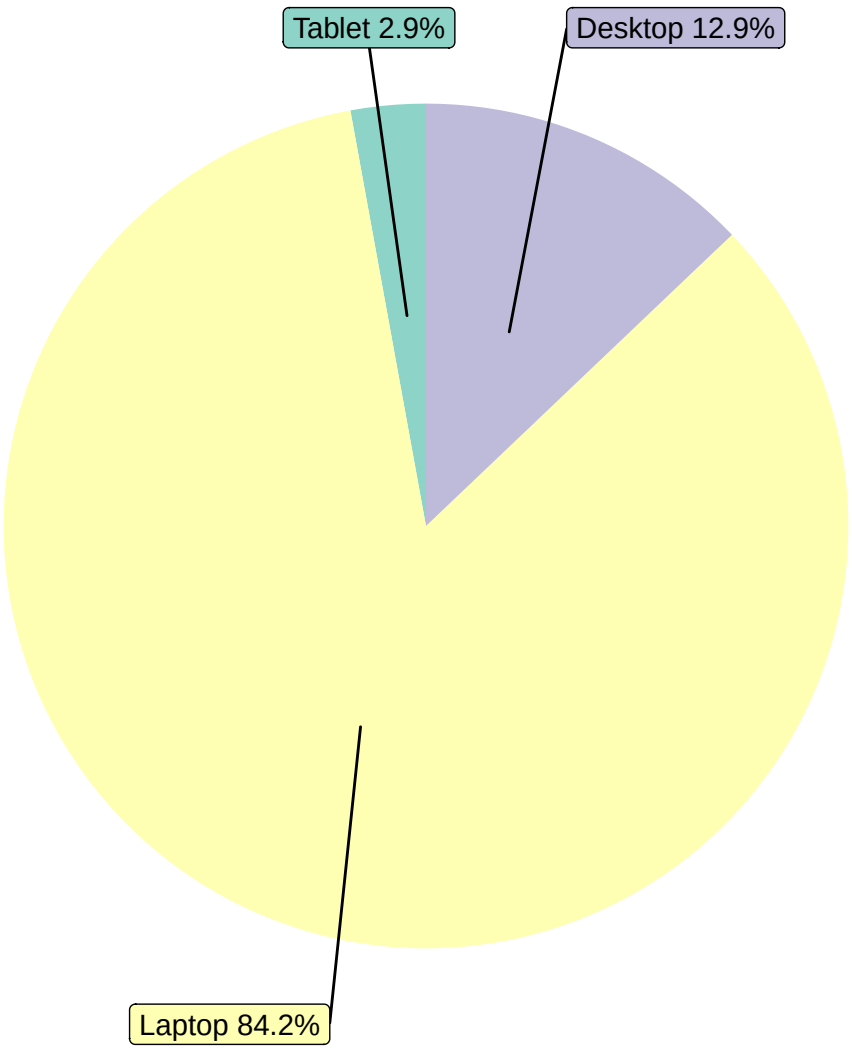

Race
Participant Count
350
300
250
200
150
100
50
0
African American
Asian American
Hispanic
International
Multiracial
Prefer Not to Say
White
Other

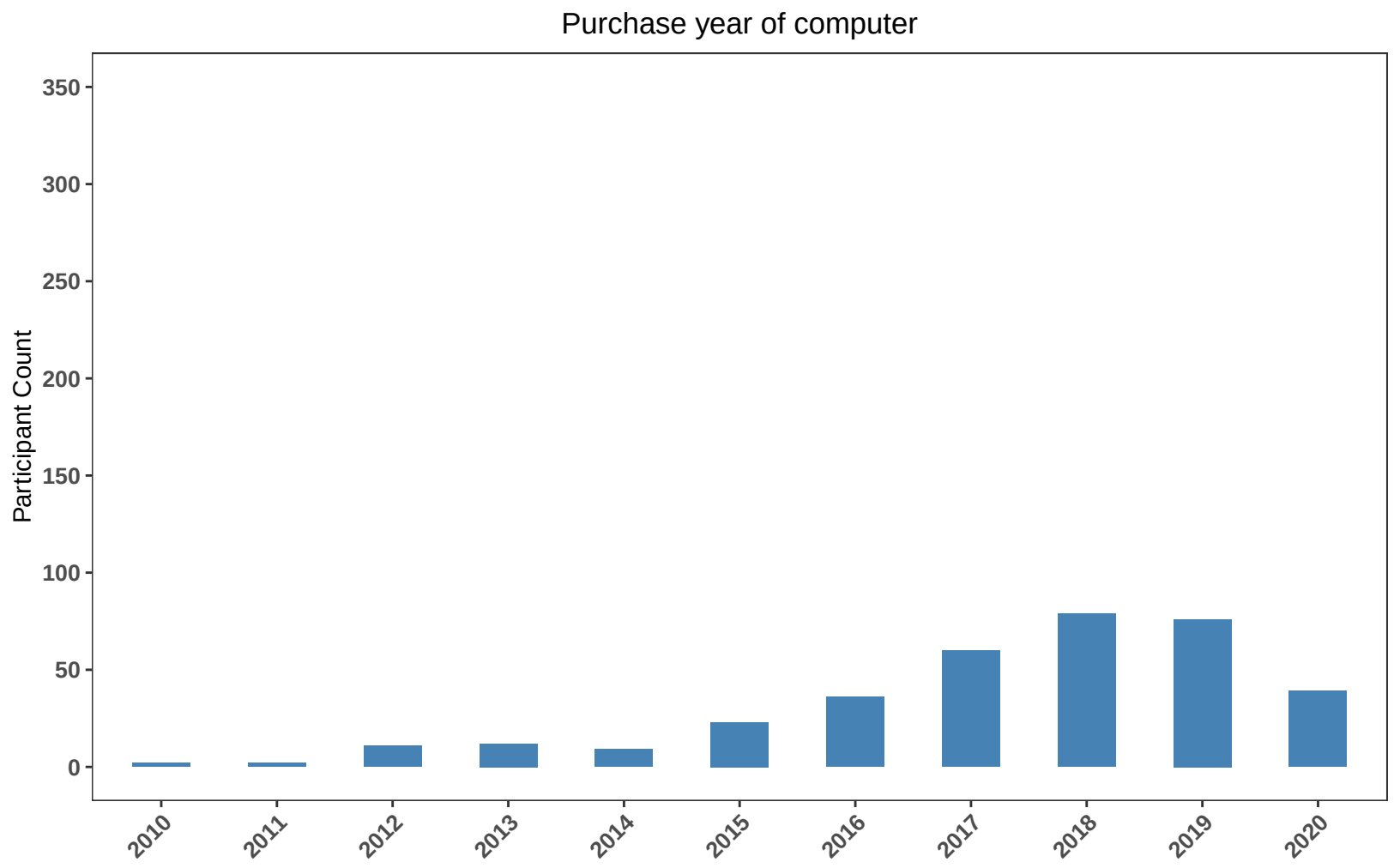

African American 4.3%
Other 4.0%
White 22.1%
Asian American 31.5%
Prefer Not to Say 3.7%
Multiracial 2.9%
International 11.7%
Hispanic 19.8%

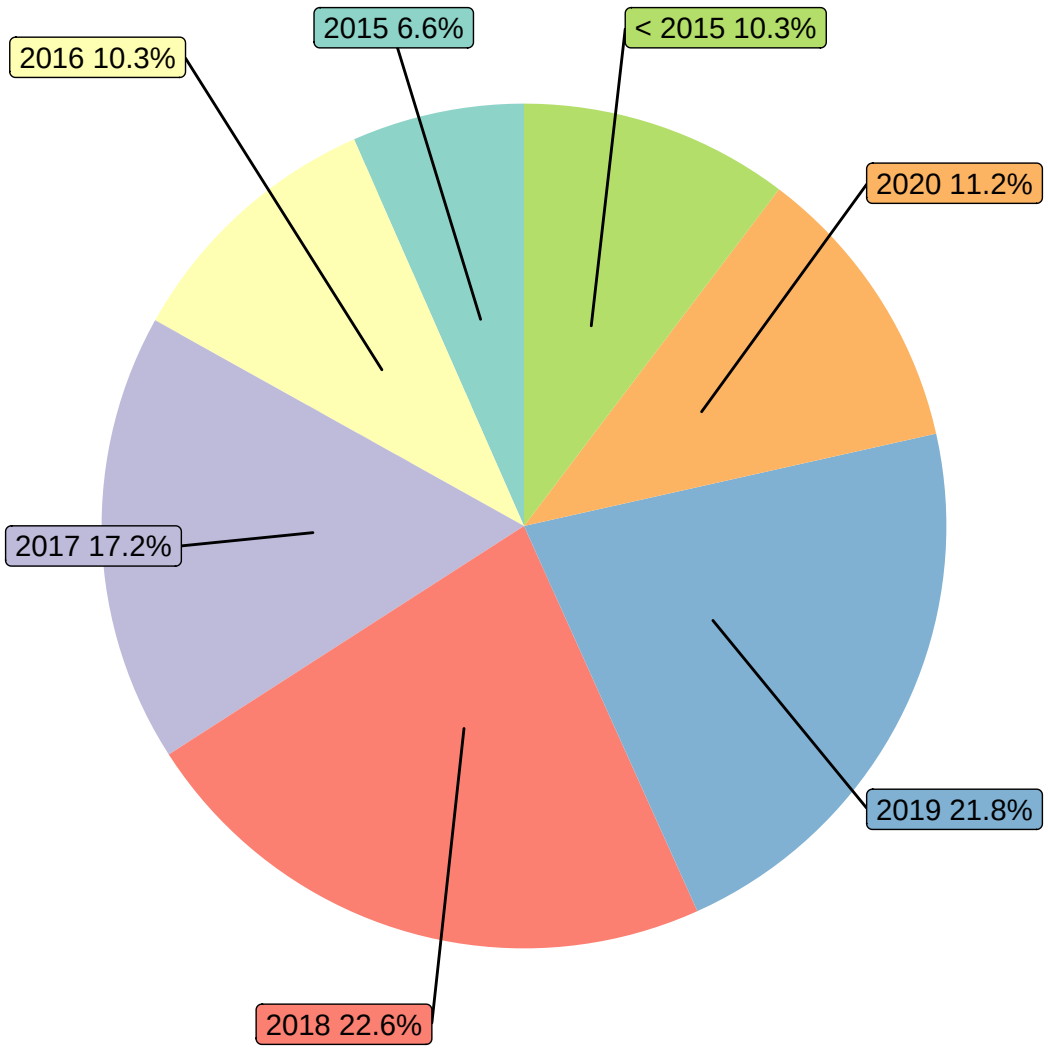

User type
Participant Count
350
300
250
200
150
100
50
0
Power User
Standard User

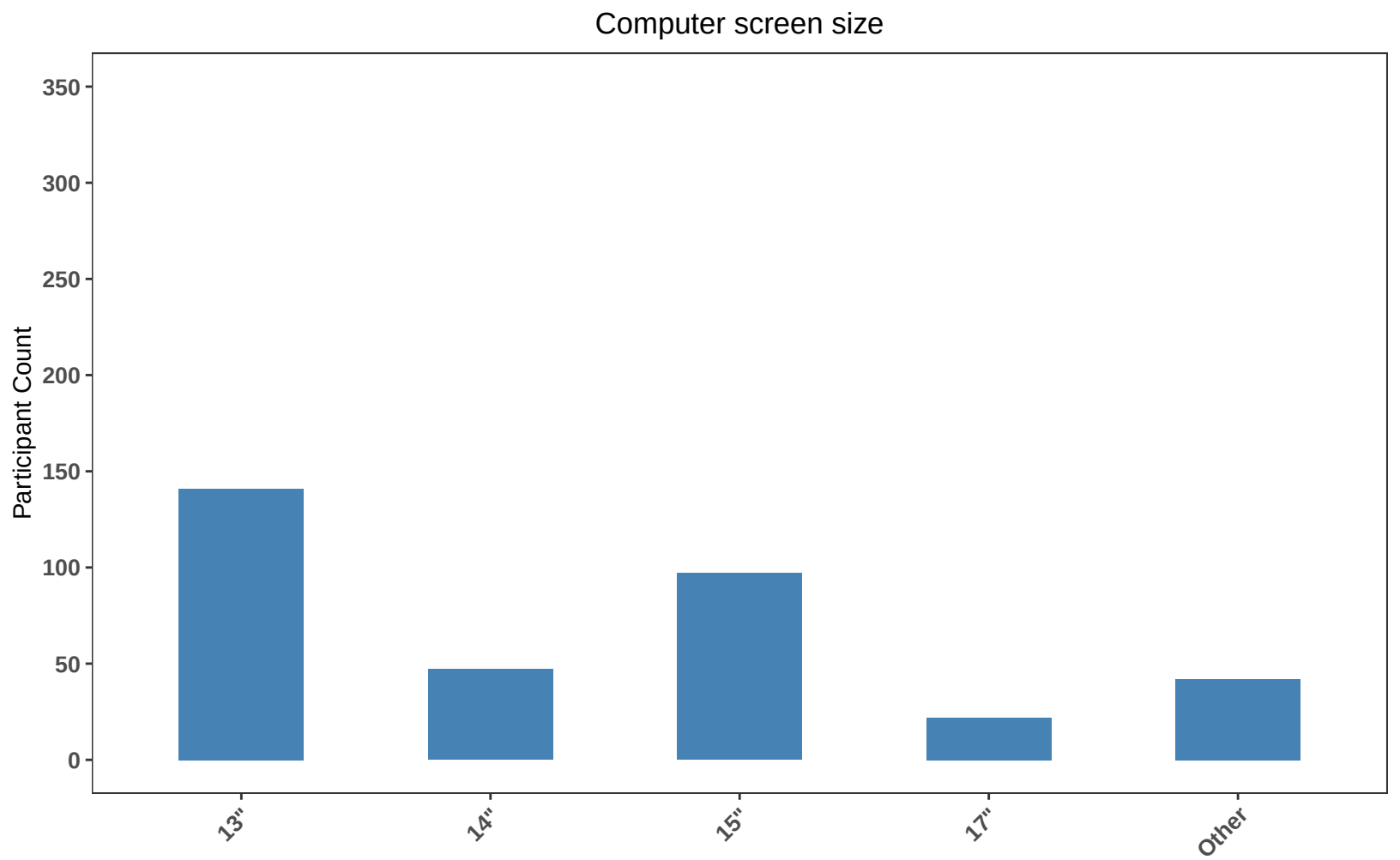

Power User 36.7%
Standard User 63.3%

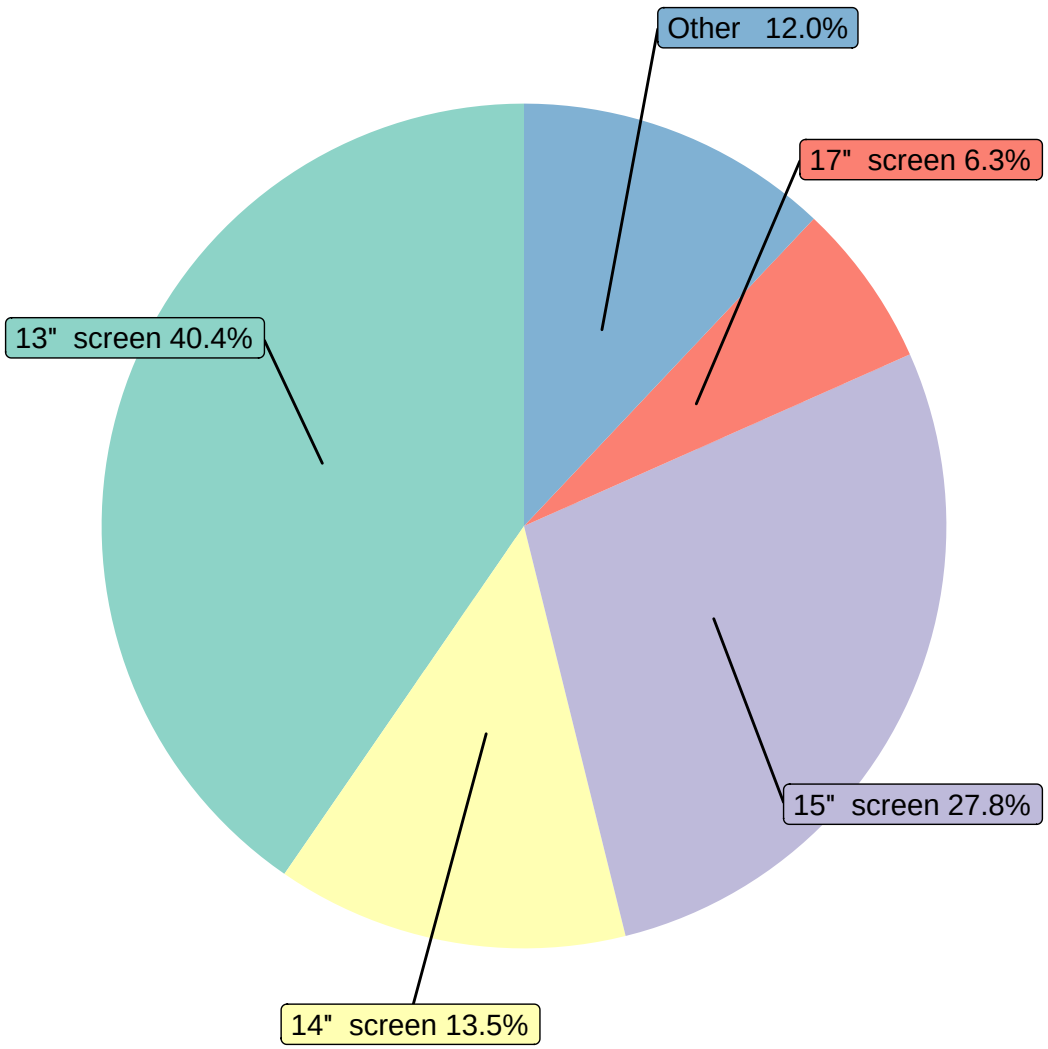

Primary computer
Participant Count
350
300
250
200
150
100
50
0
Tablet
Laptop
Desktop

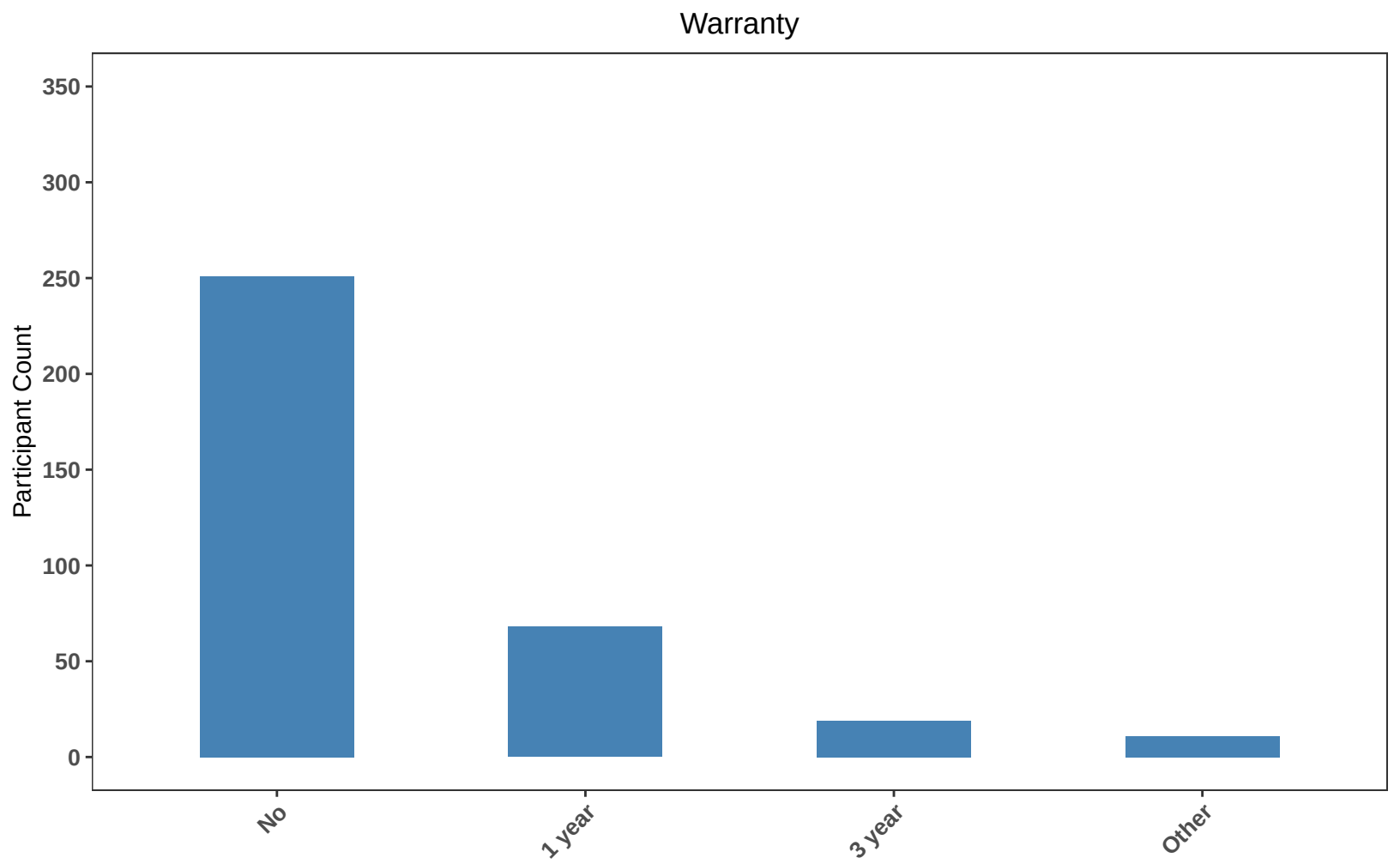

Tablet 2.9%
Desktop 12.9%
Laptop 84.2%

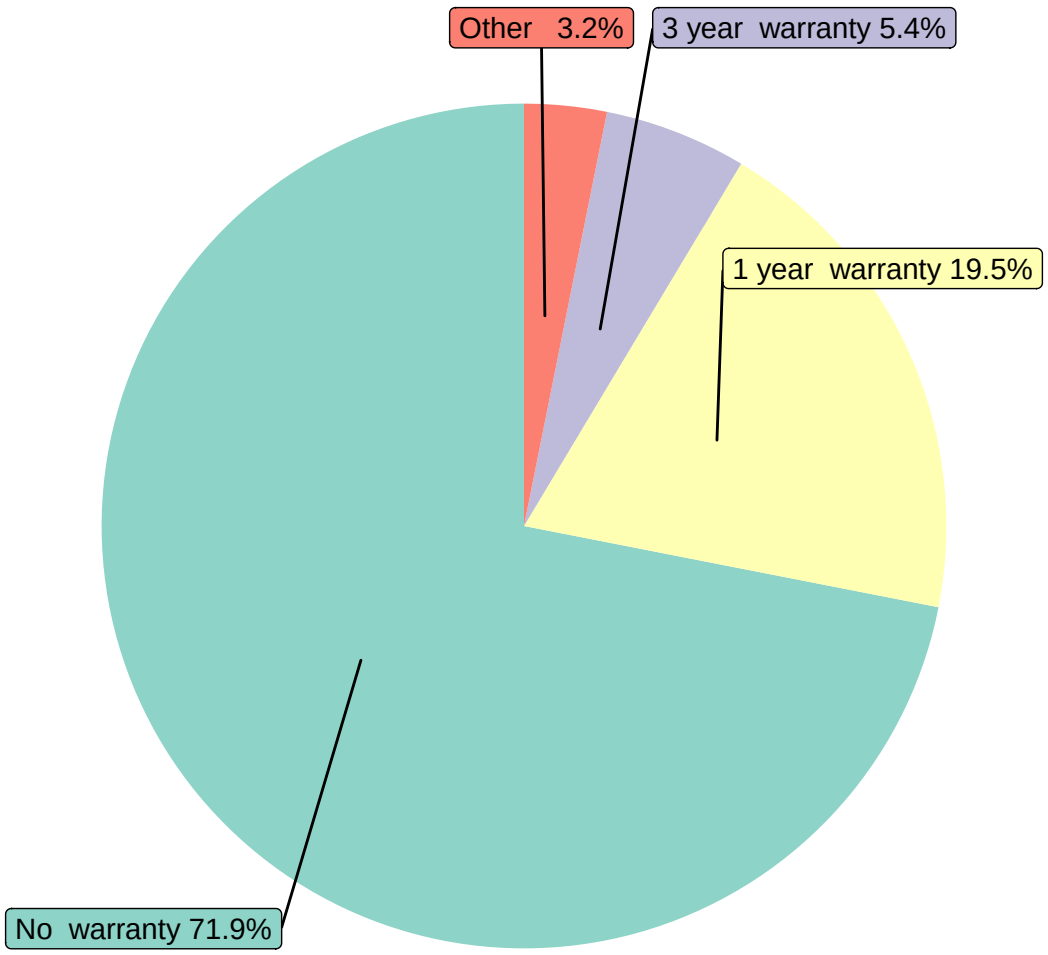

Purchase year of computer
Participant Count
350
300
250
200
150
100
50
0
2010
2011
2012
2013
2014
2015
2016
2017
2018
2019
2020

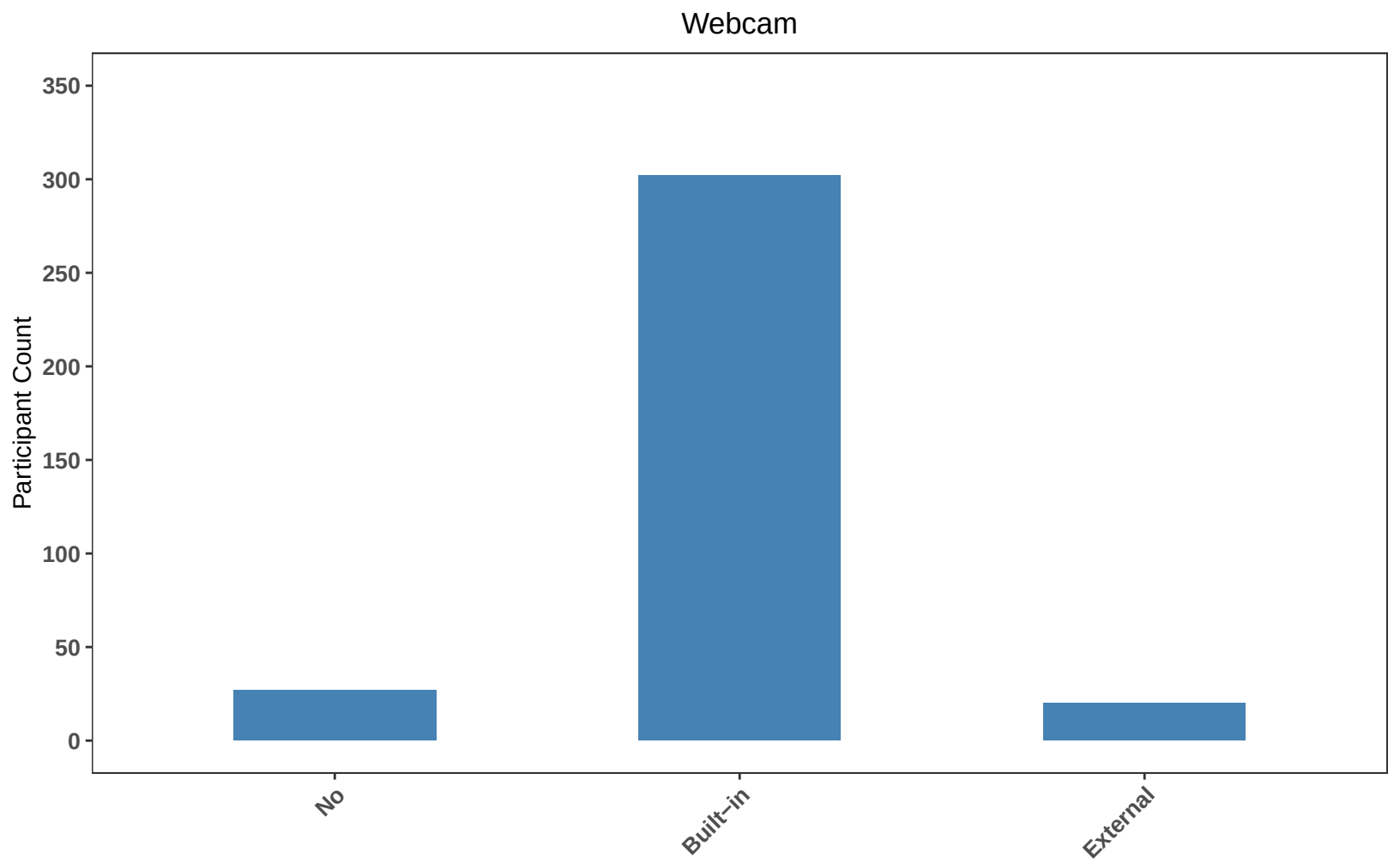

2015 6.6%
< 2015 10.3%
2016 10.3%
2020 11.2%
2017 17.2%
2019 21.8%
2018 22.6%

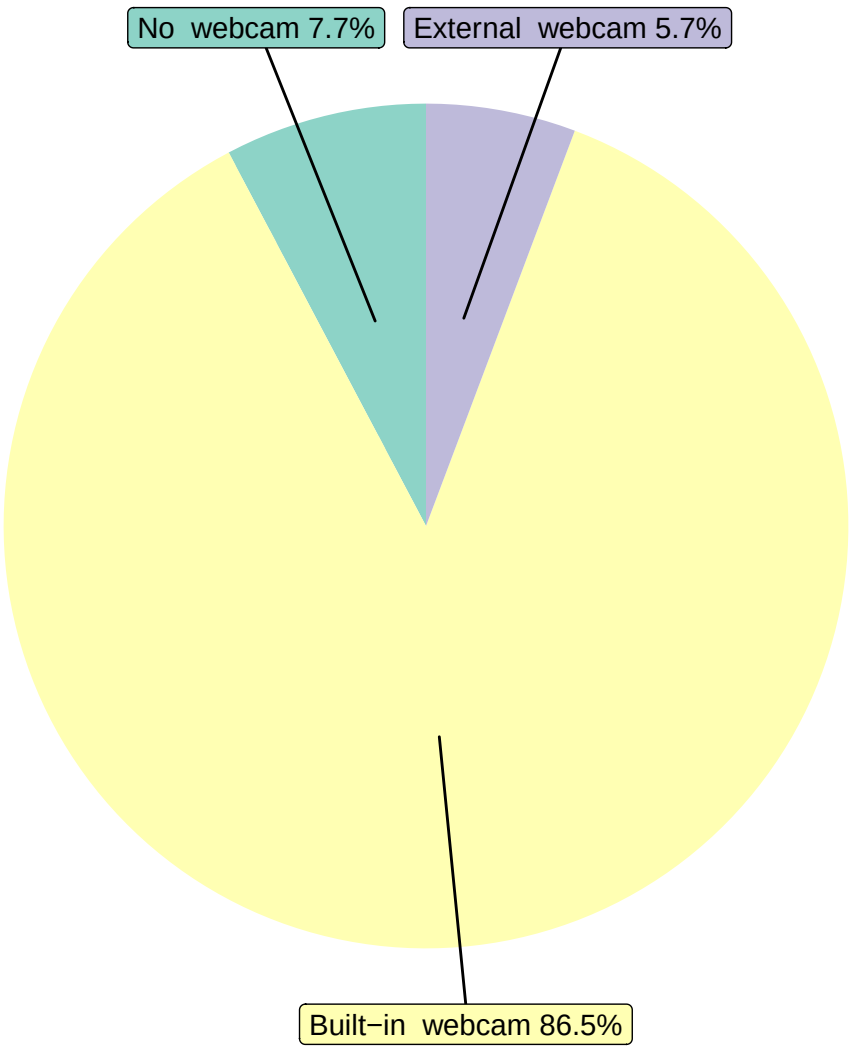

Computer screen size
Participant Count
350
300
250
200
150
100
50
0
13"
14"
15"
17"
Other

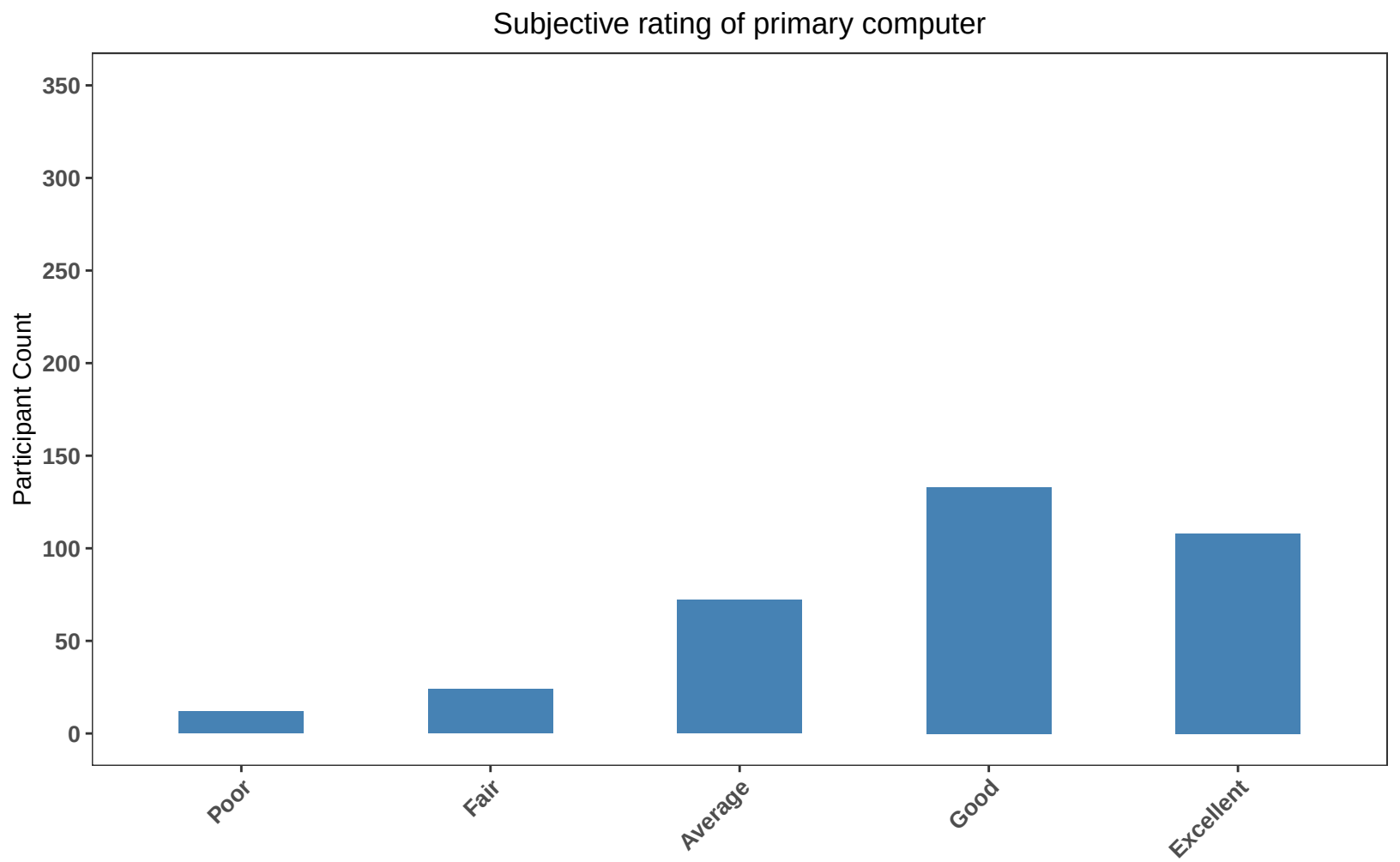

Other 12.0%
17" screen 6.3%
13" screen 40.4%
15" screen 27.8%
14" screen 13.5%

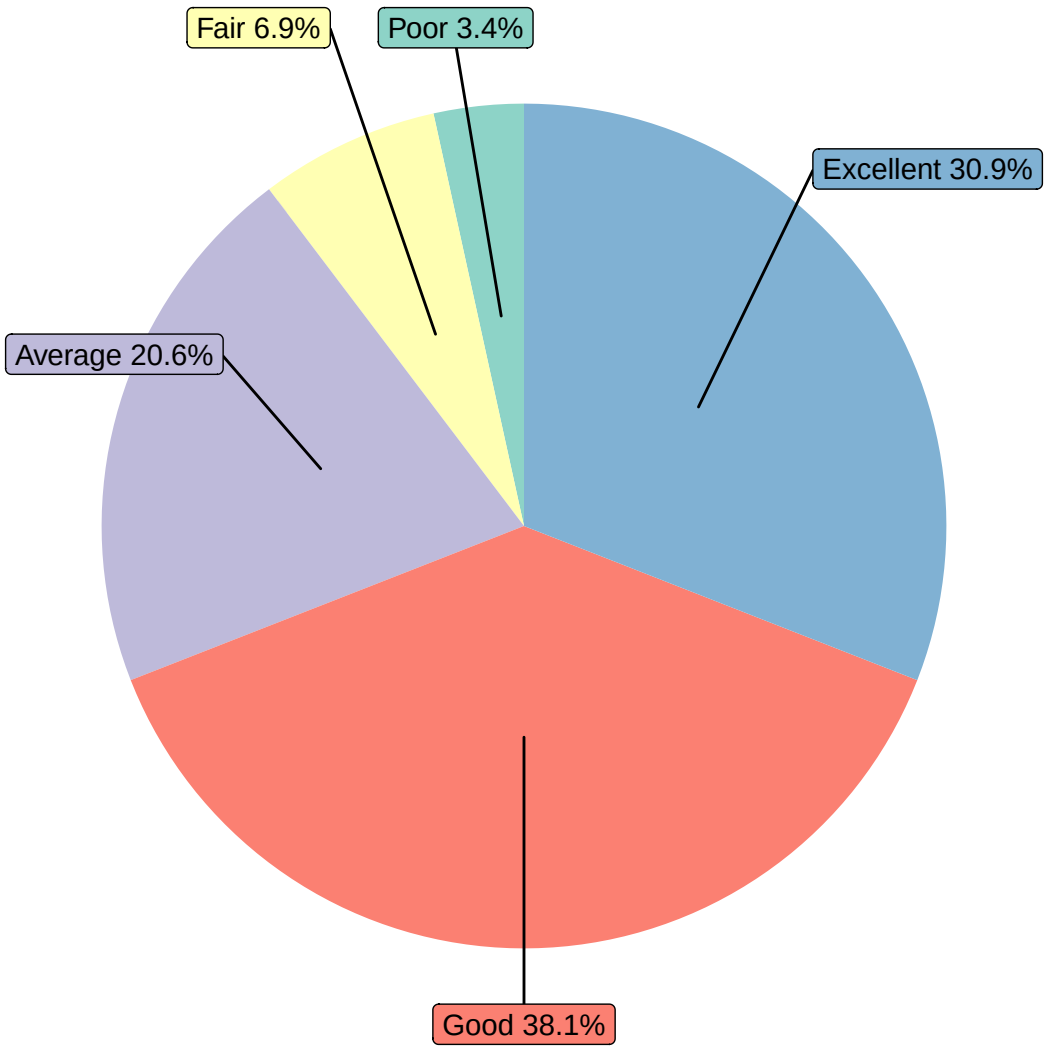

Warranty
Participant Count
350
300
250
200
150
100
50
0
No
1 year
3 year
Other

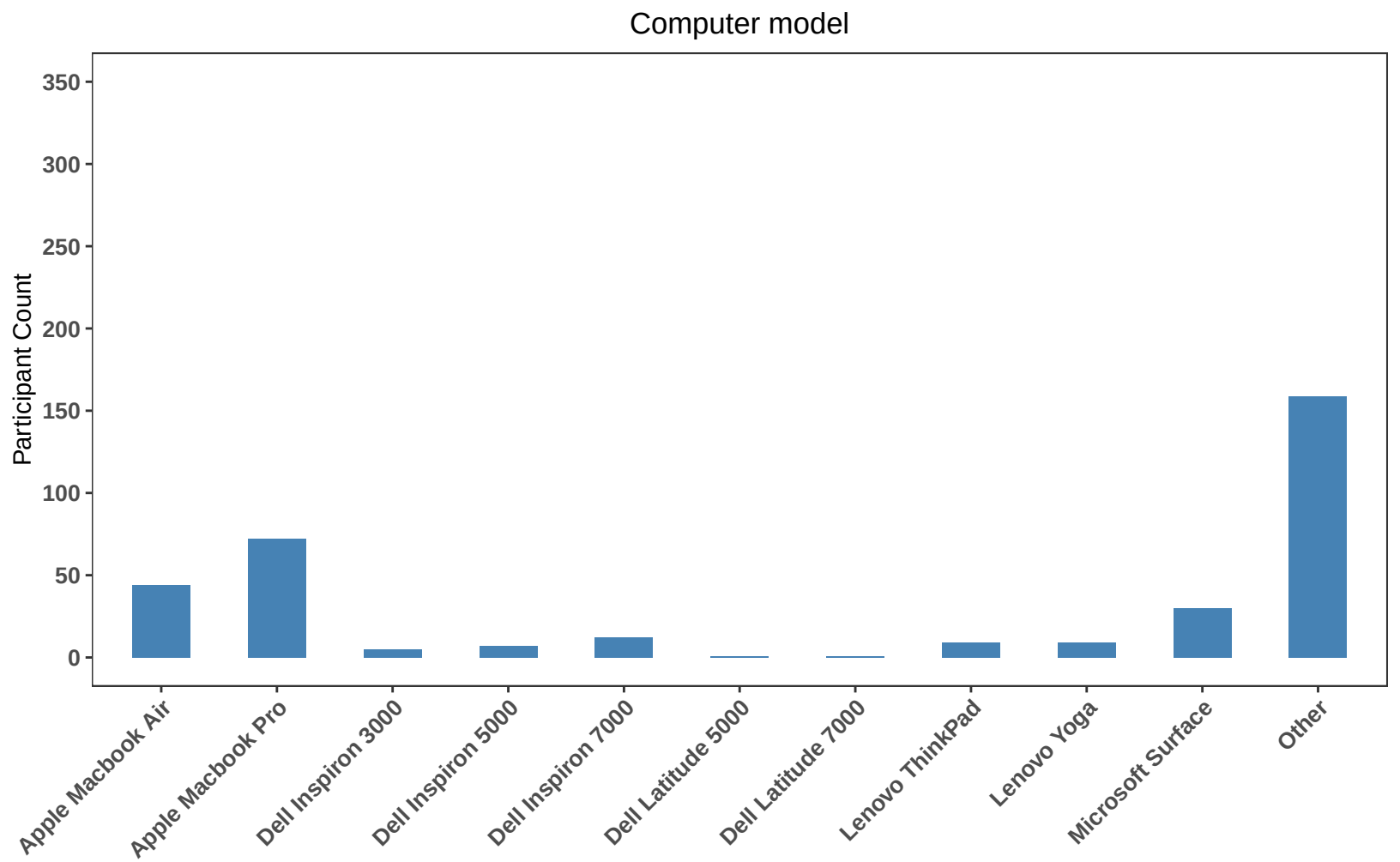

Other 3.2%
3 year warranty 5.4%
1 year warranty 19.5%
No warranty 71.9%

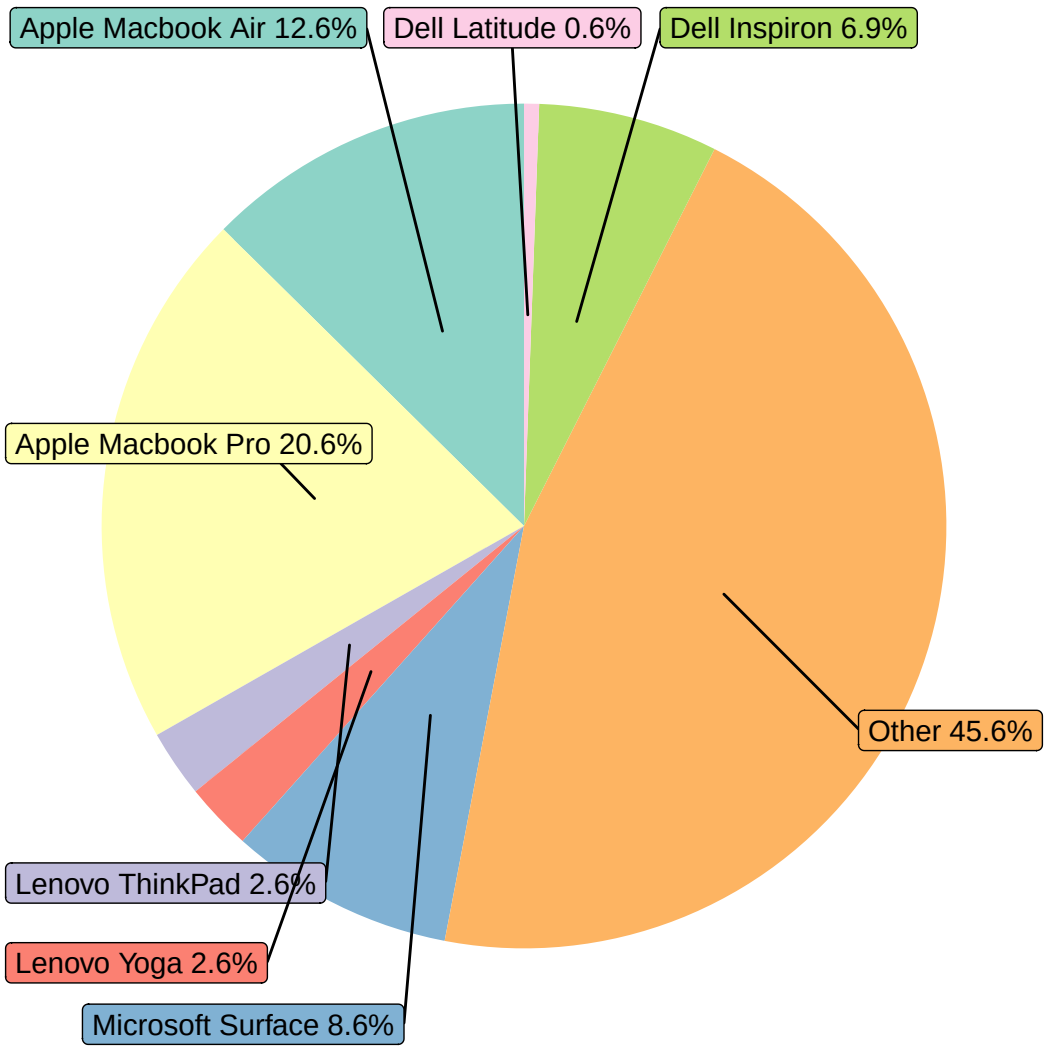

Webcam
Participant Count
350
300
250
200
150
100
50
0
No
Built−in
External

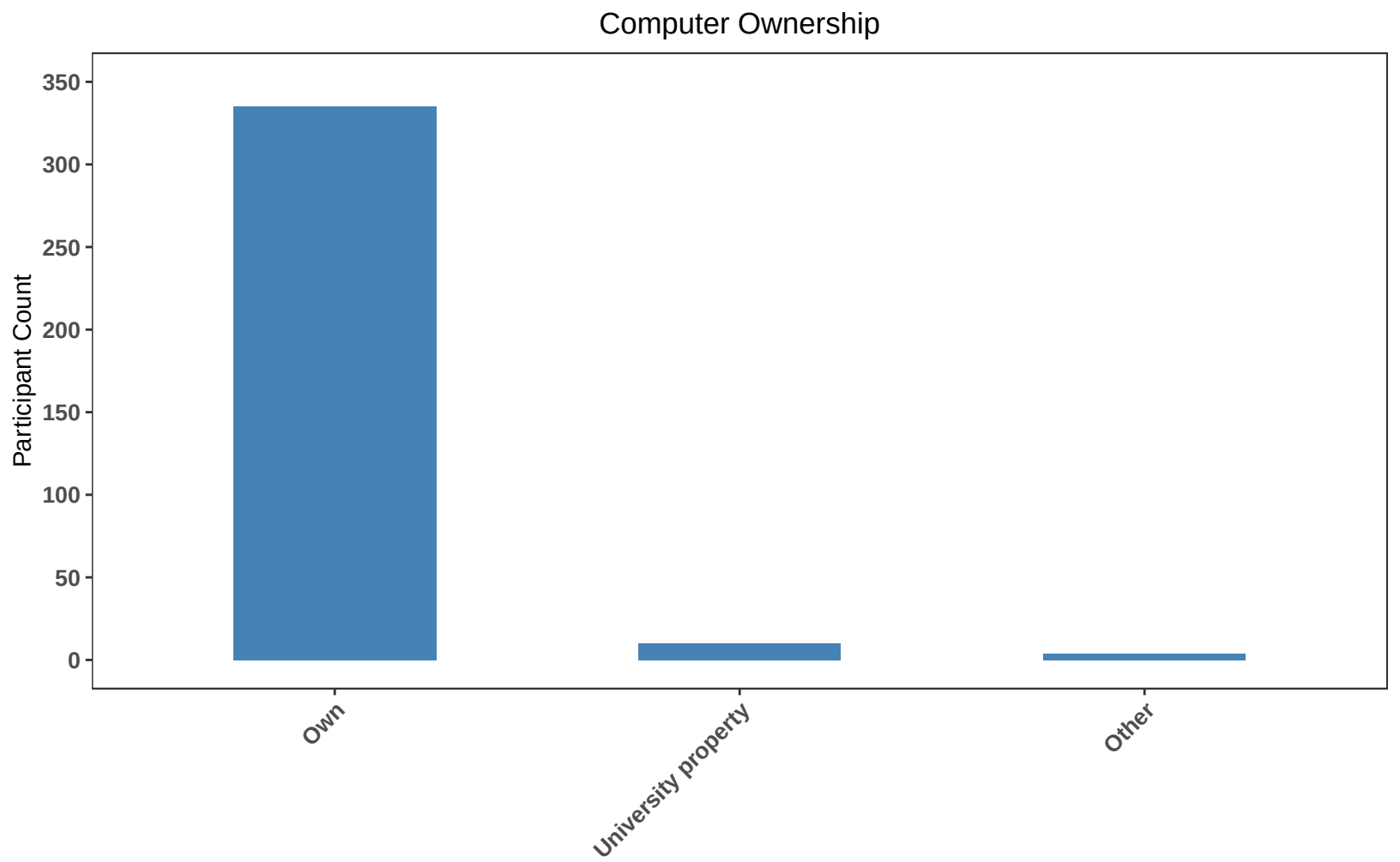

No webcam 7.7%
External webcam 5.7%
Built−in webcam 86.5%

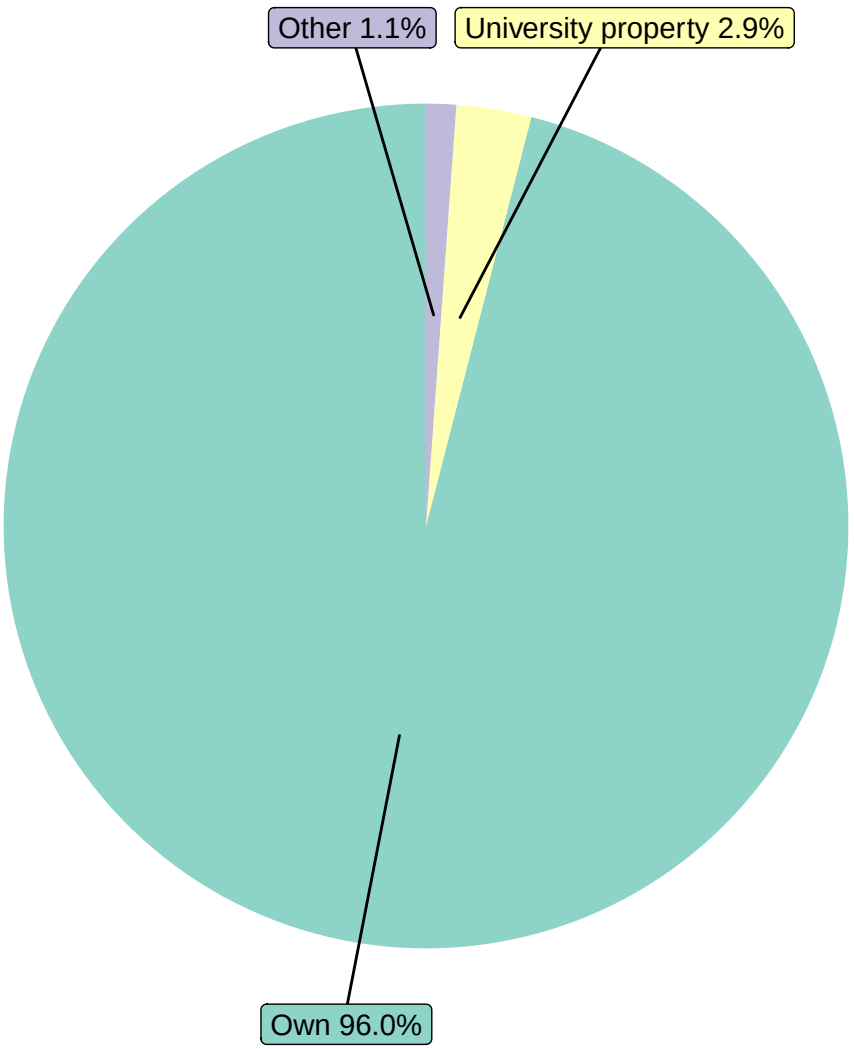

Subjective rating of primary computer
Participant Count
350
300
250
200
150
100
50
0
Poor
Fair
Average
Good
Excellent

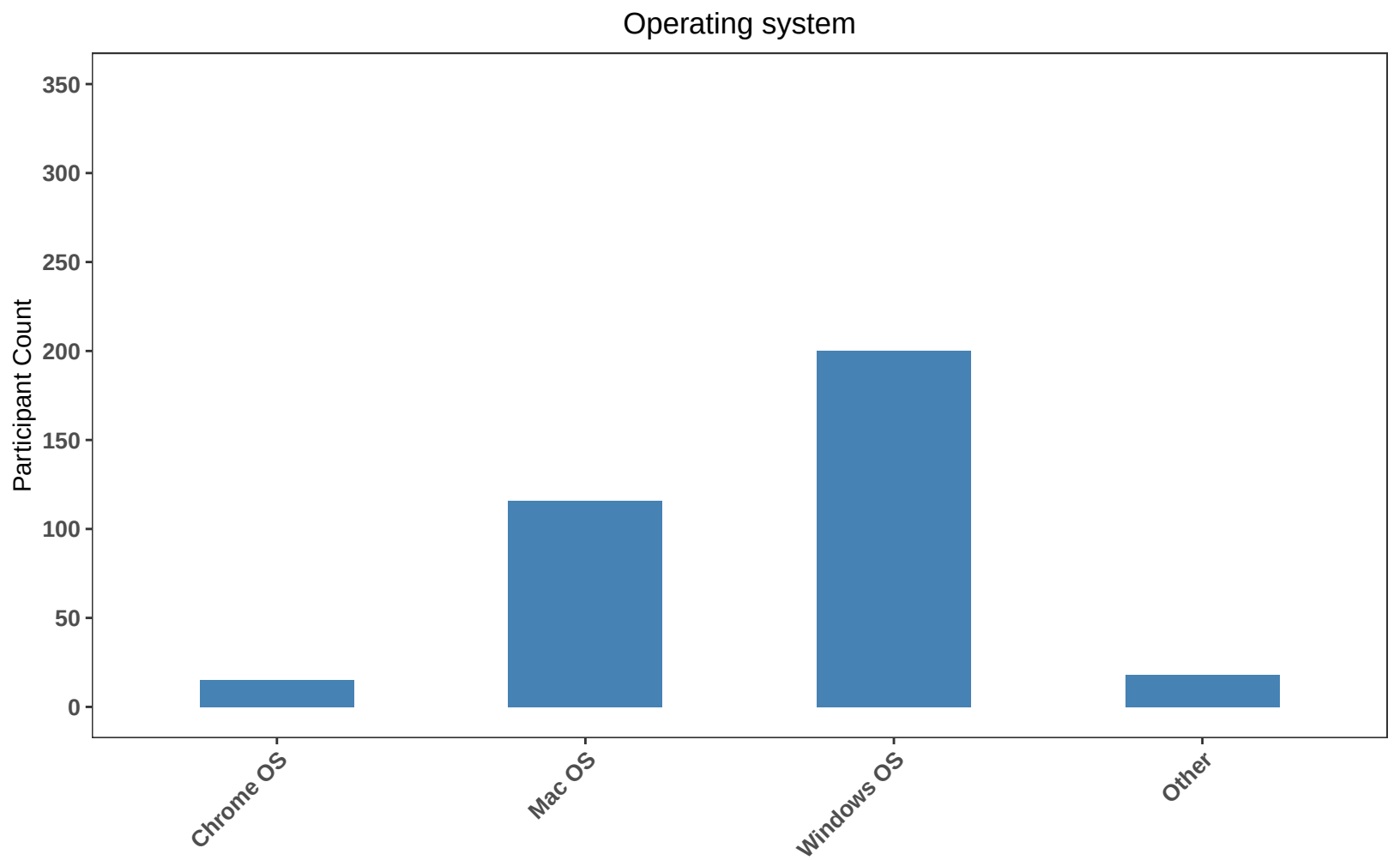

Fair 6.9%
Poor 3.4%
Excellent 30.9%
Average 20.6%
Good 38.1%

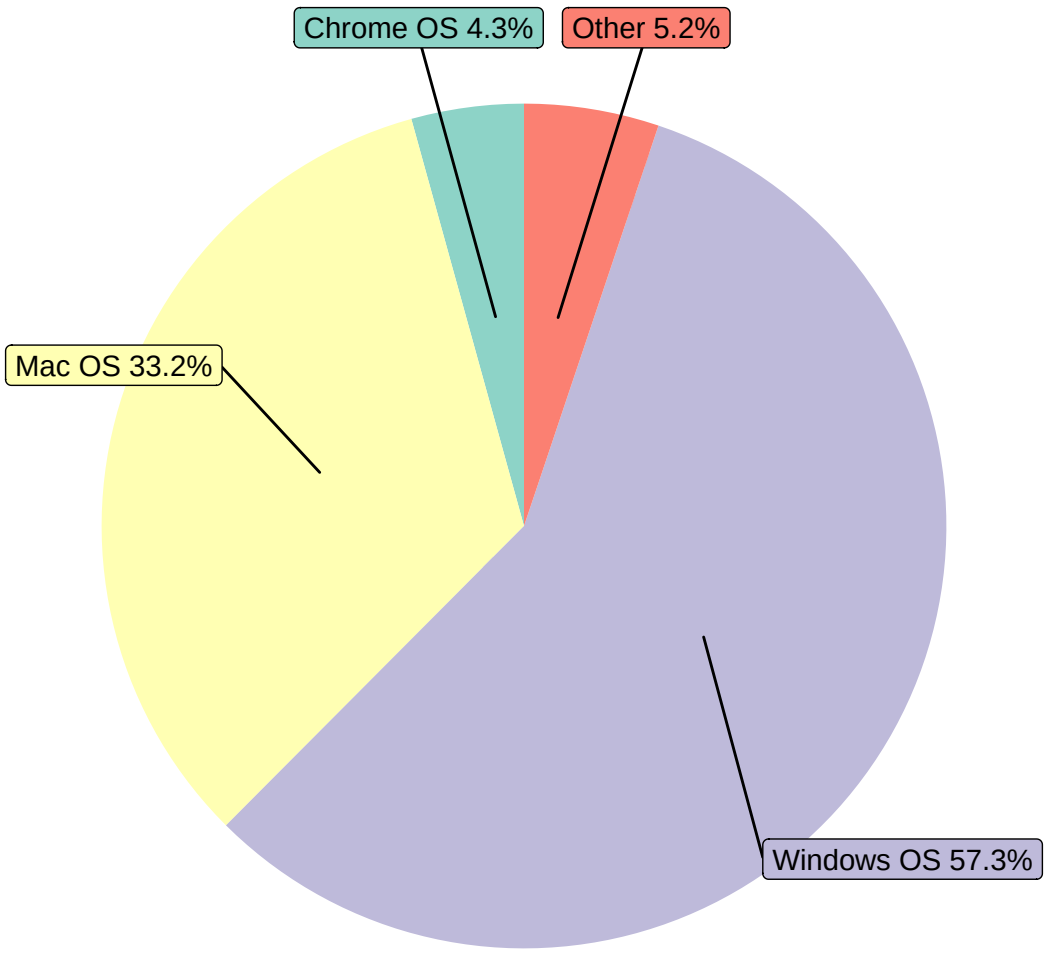

Computer model
Participant Count
350
300
250
200
150
100
50
0
Apple Macbook Air
Apple Macbook Pro
Dell Inspiron 3000
Dell Inspiron 5000
Dell Inspiron 7000
Dell Latitude 5000
Dell Latitude 7000
Lenovo ThinkPad
Lenovo Yoga
Microsoft Surface
Other

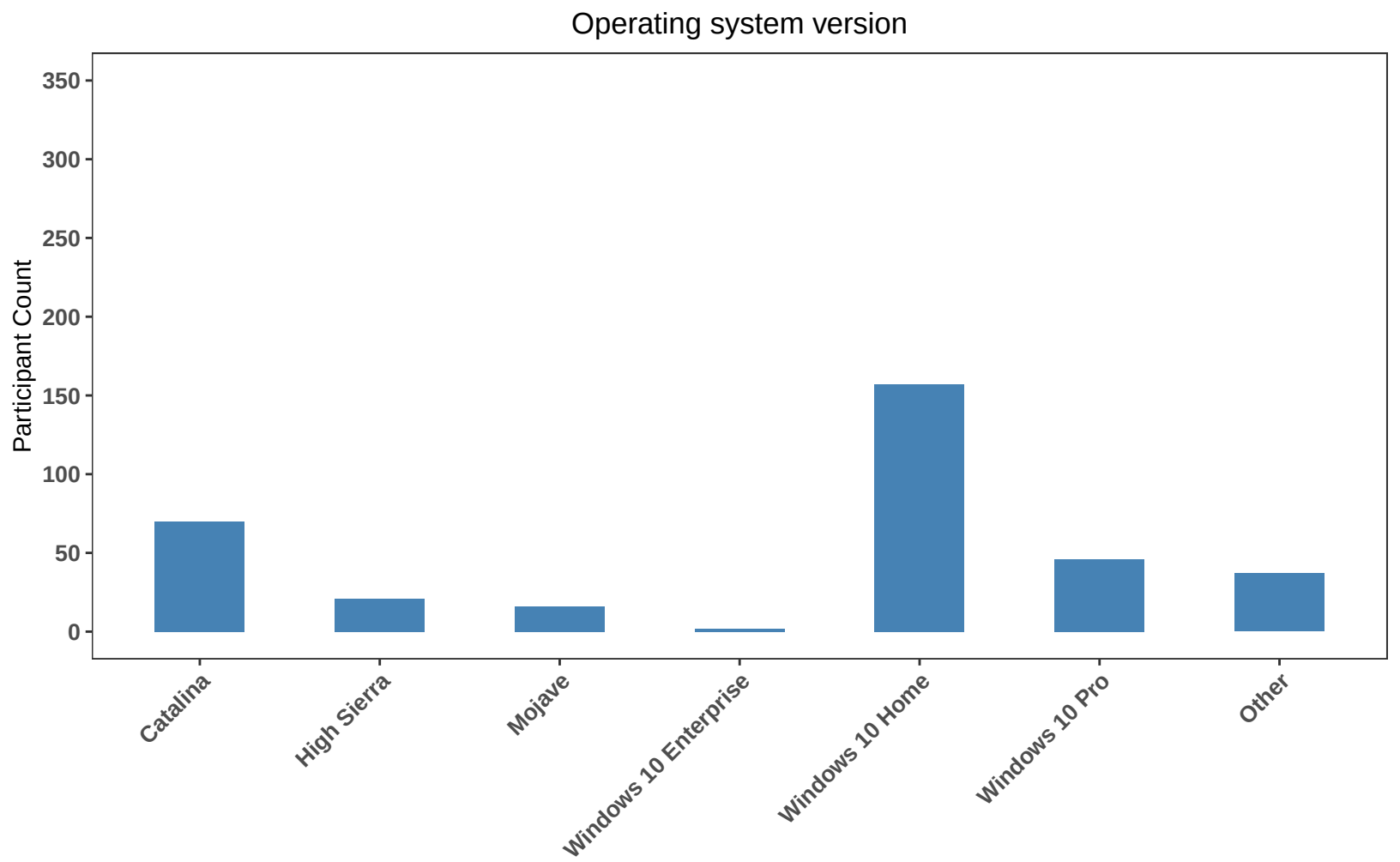

Apple Macbook Air 12.6%
Dell Latitude 0.6%
Dell Inspiron 6.9%
Apple Macbook Pro 20.6%
Other 45.6%
Lenovo ThinkPad 2.6%
Lenovo Yoga 2.6%
Microsoft Surface 8.6%

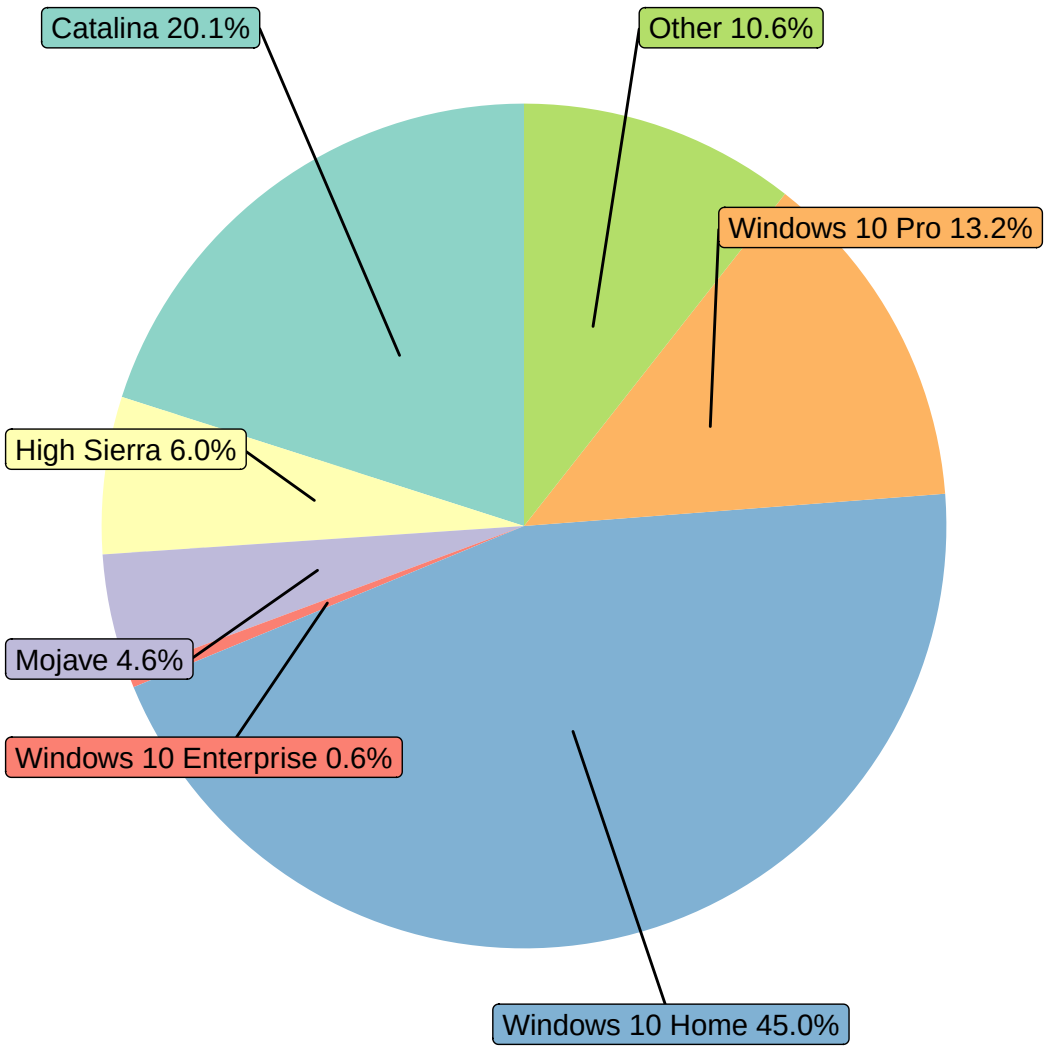

Computer Ownership
Participant Count
350
300
250
200
150
100
50
0
Own
University property
Other

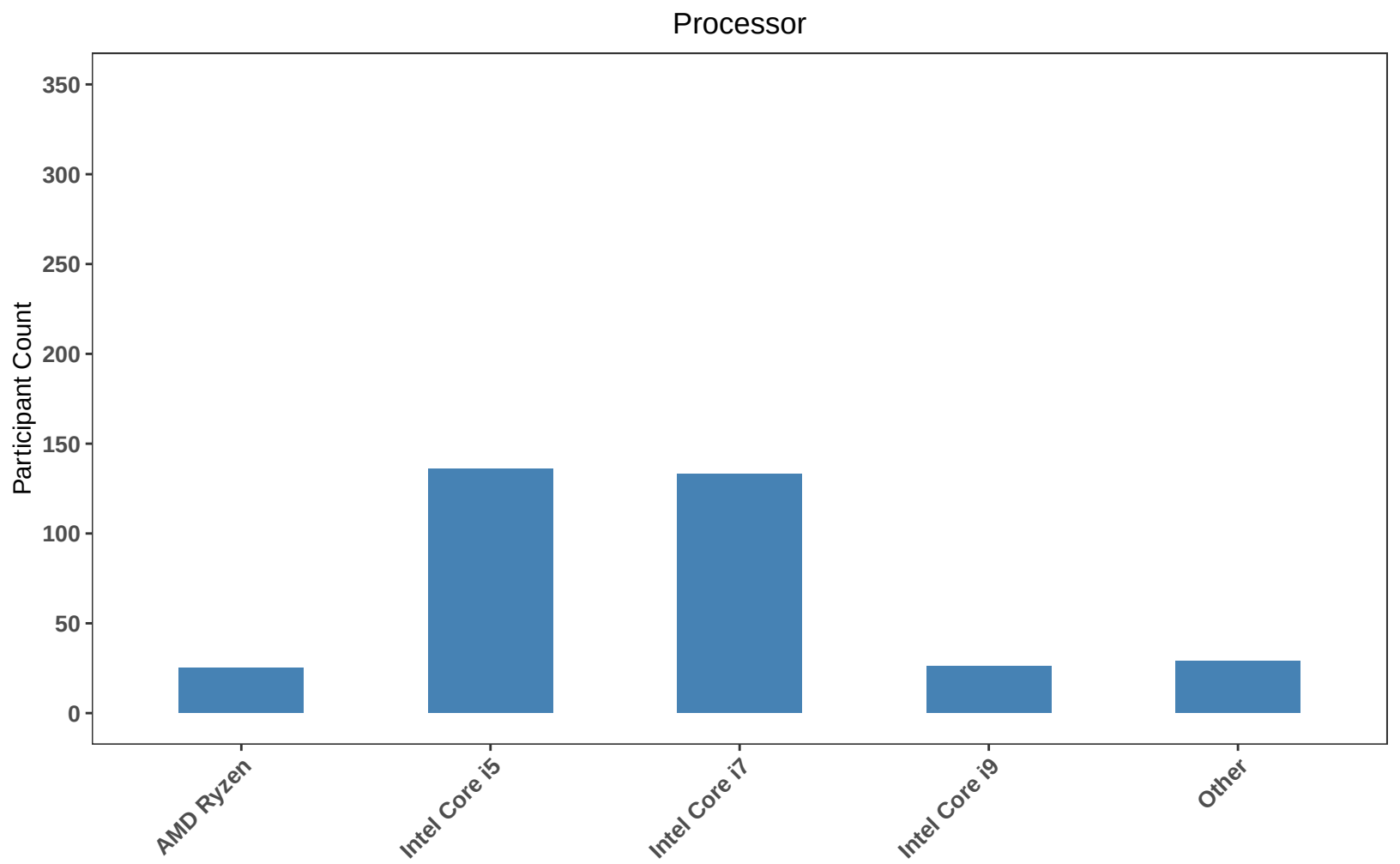

Other 1.1%
University property 2.9%
Own 96.0%

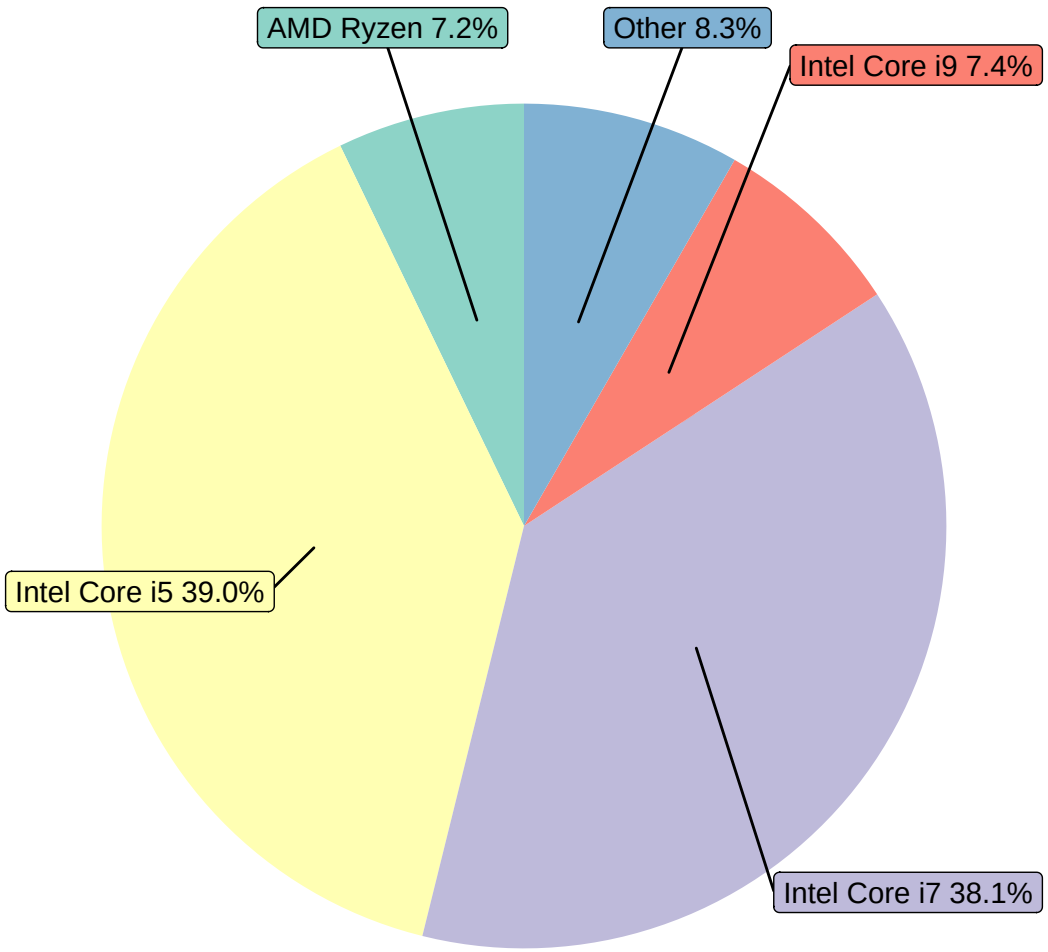

Operating system
Participant Count
350
300
250
200
150
100
50
0
Chrome OS
Mac OS
Windows OS
Other

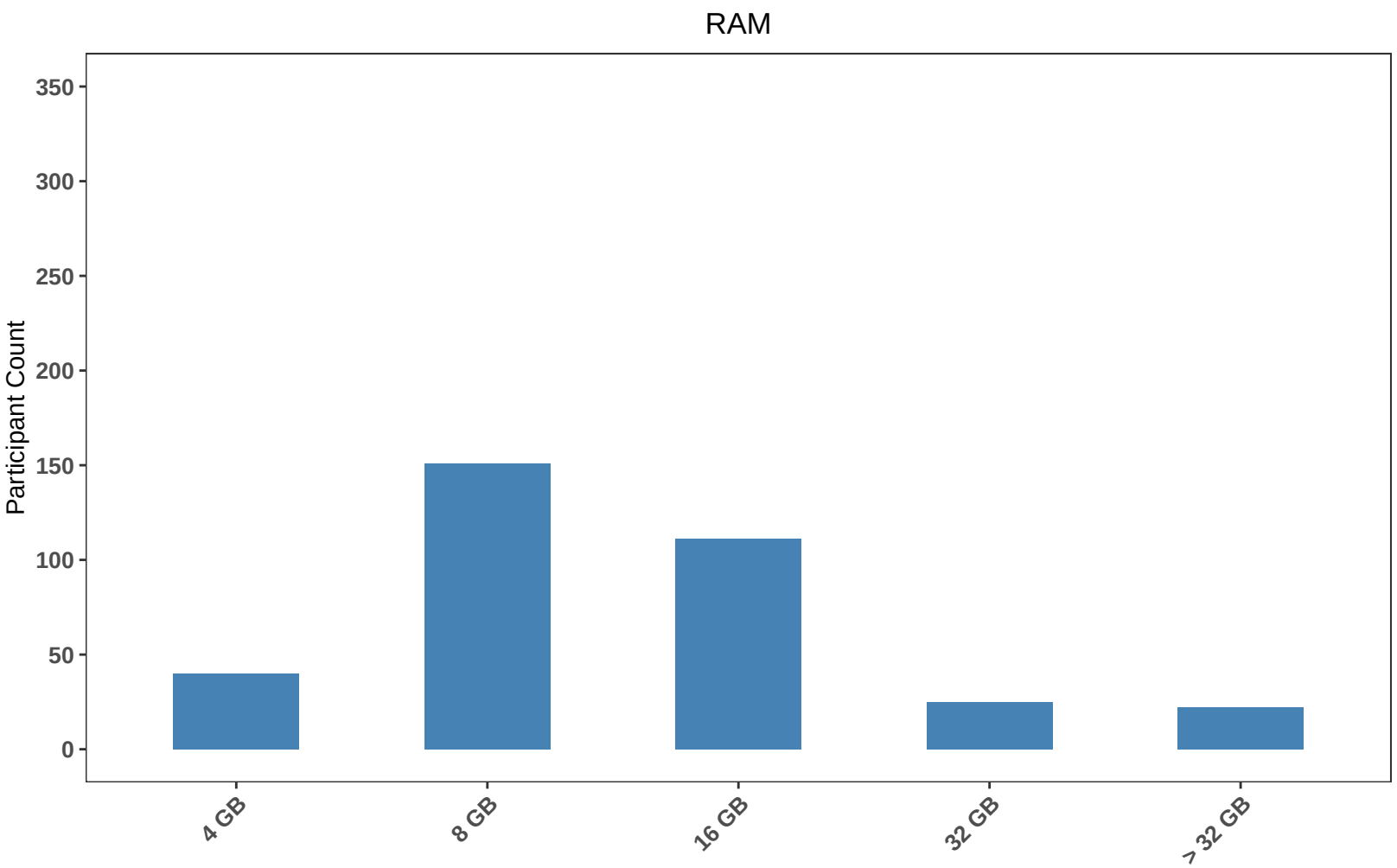

Chrome OS 4.3%
Other 5.2%
Mac OS 33.2%
Windows OS 57.3%

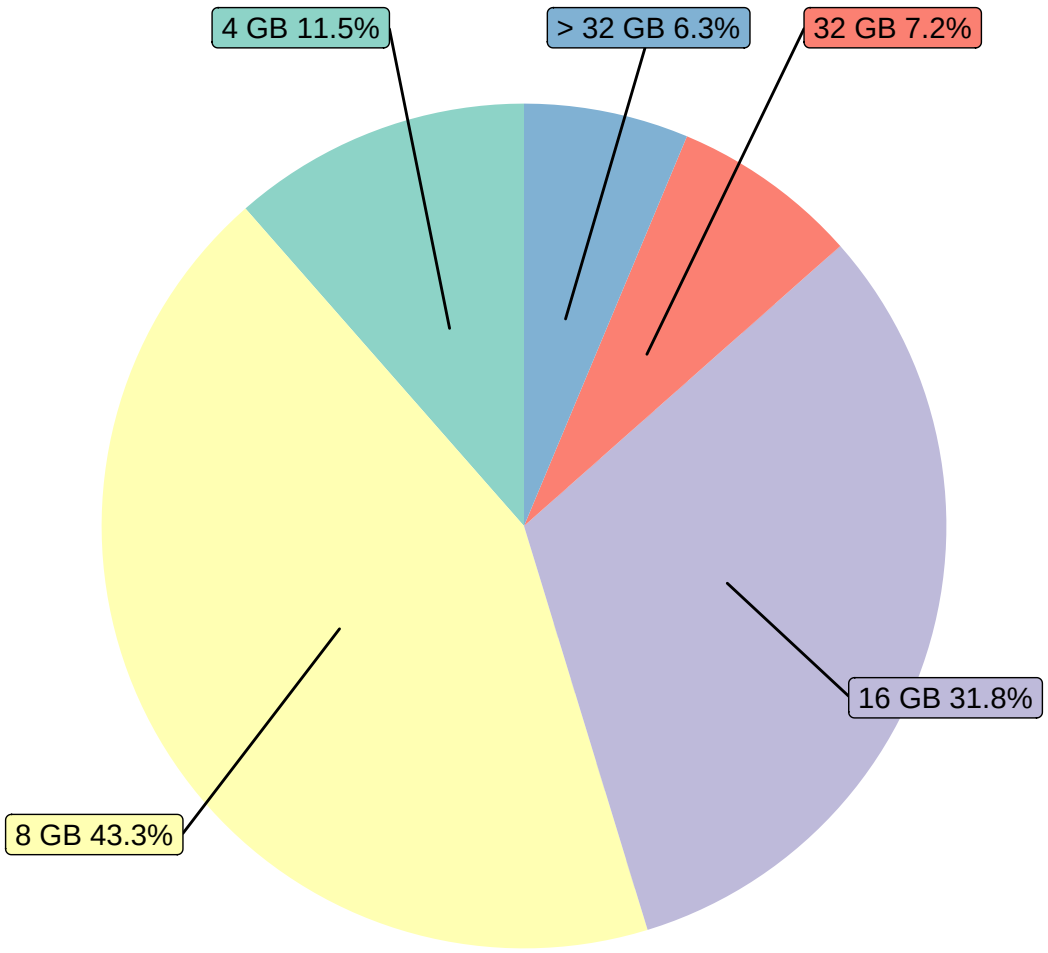

Operating system version
Participant Count
350
300
250
200
150
100
50
0
Catalina
High Sierra
Mojave
Windows 10 Enterprise
Windows 10 Home
Windows 10 Pro
Other

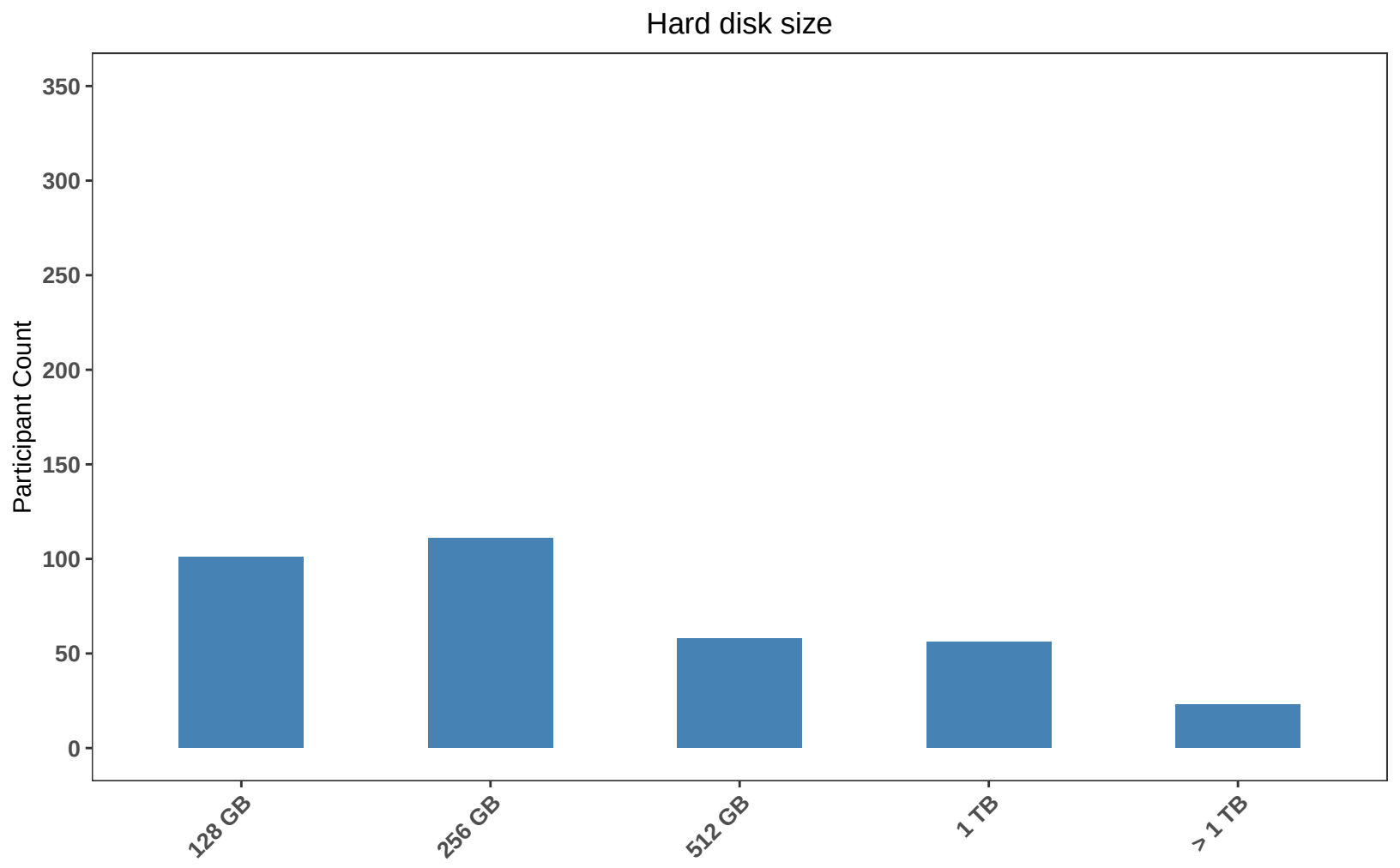

Catalina 20.1%
Other 10.6%
Windows 10 Pro 13.2%
High Sierra 6.0%
Mojave 4.6%
Windows 10 Enterprise 0.6%
Windows 10 Home 45.0%

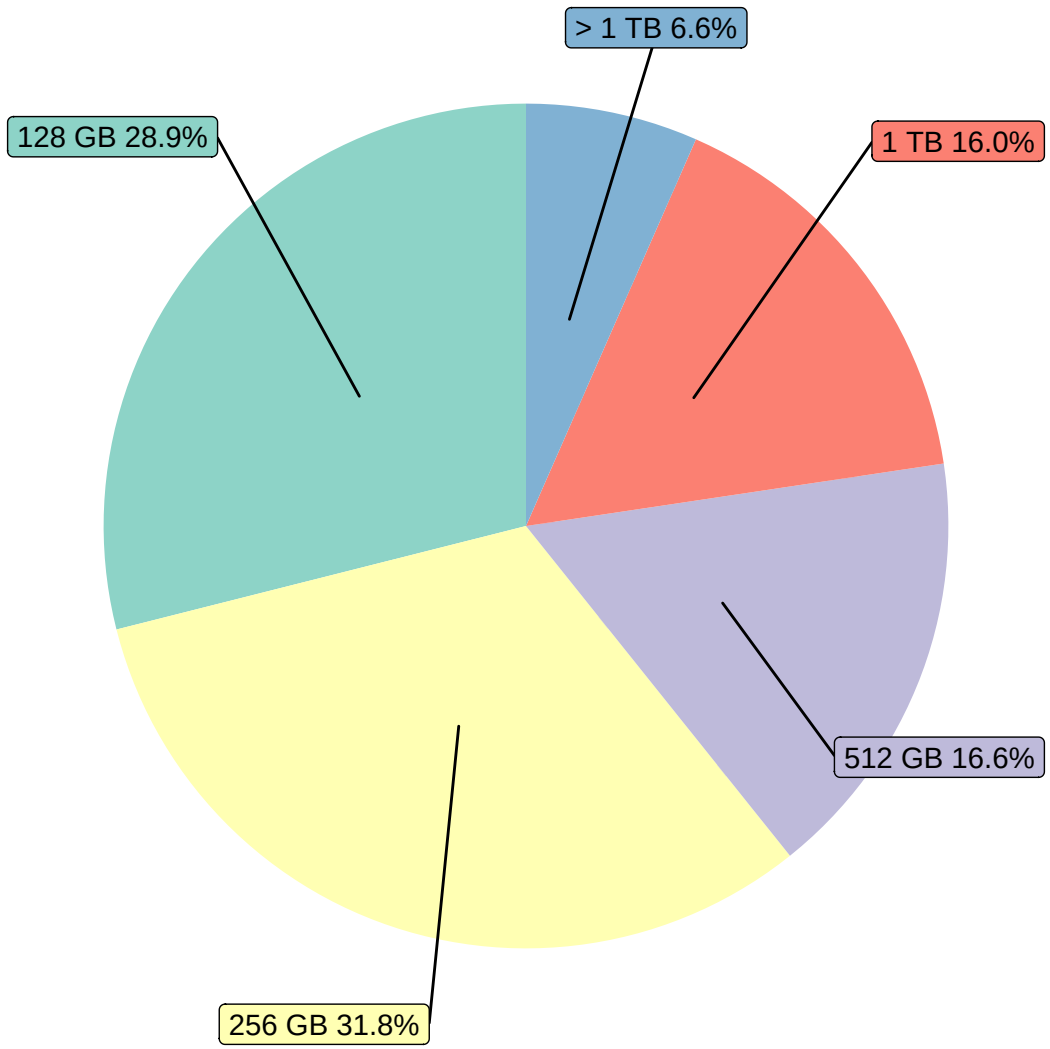

Processor
Participant Count
350
300
250
200
150
100
50
0
AMD Ryzen
Intel Core i5
Intel Core i7
Intel Core i9
Other

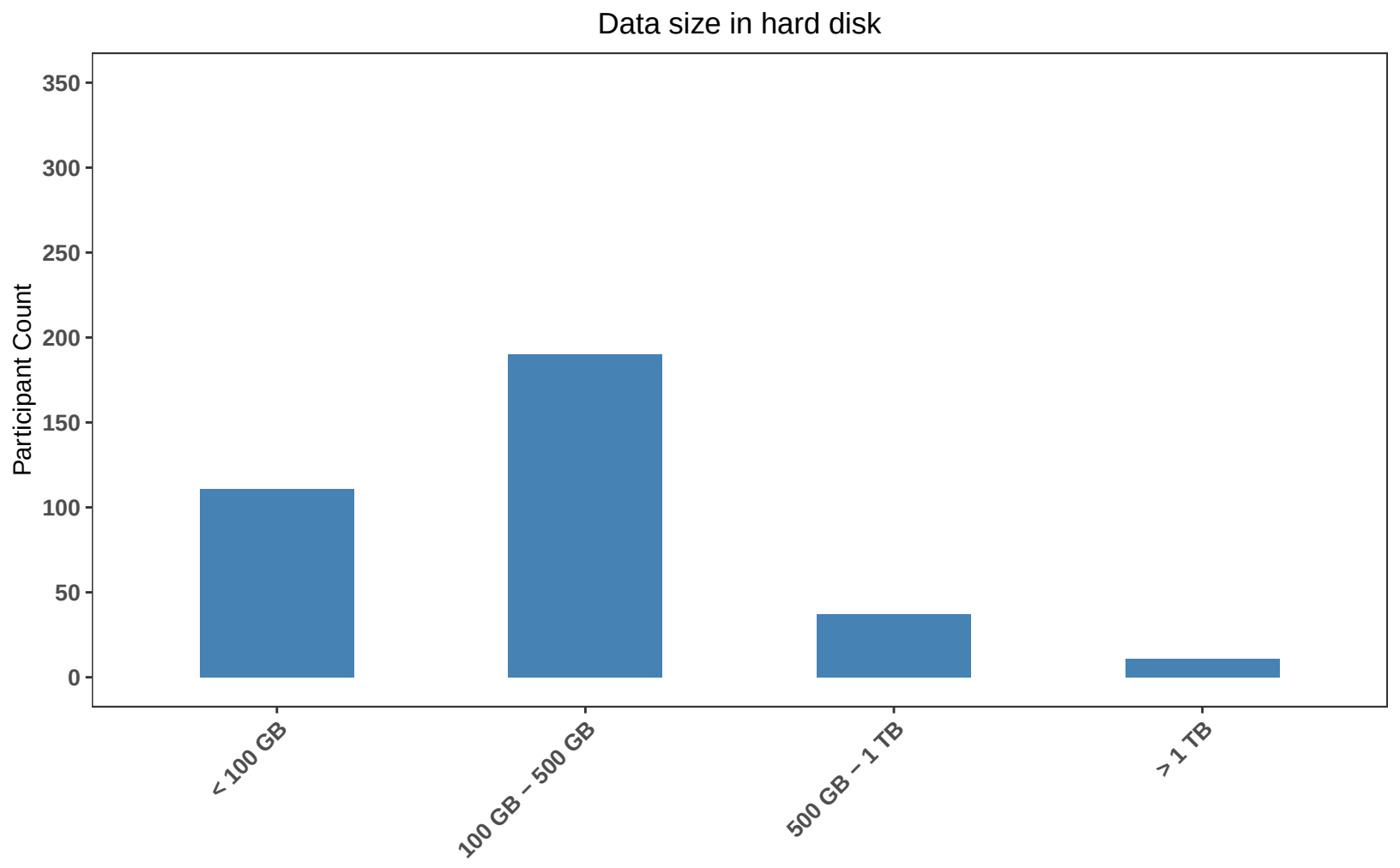

AMD Ryzen 7.2%
Other 8.3%
Intel Core i9 7.4%
Intel Core i5 39.0%
Intel Core i7 38.1%

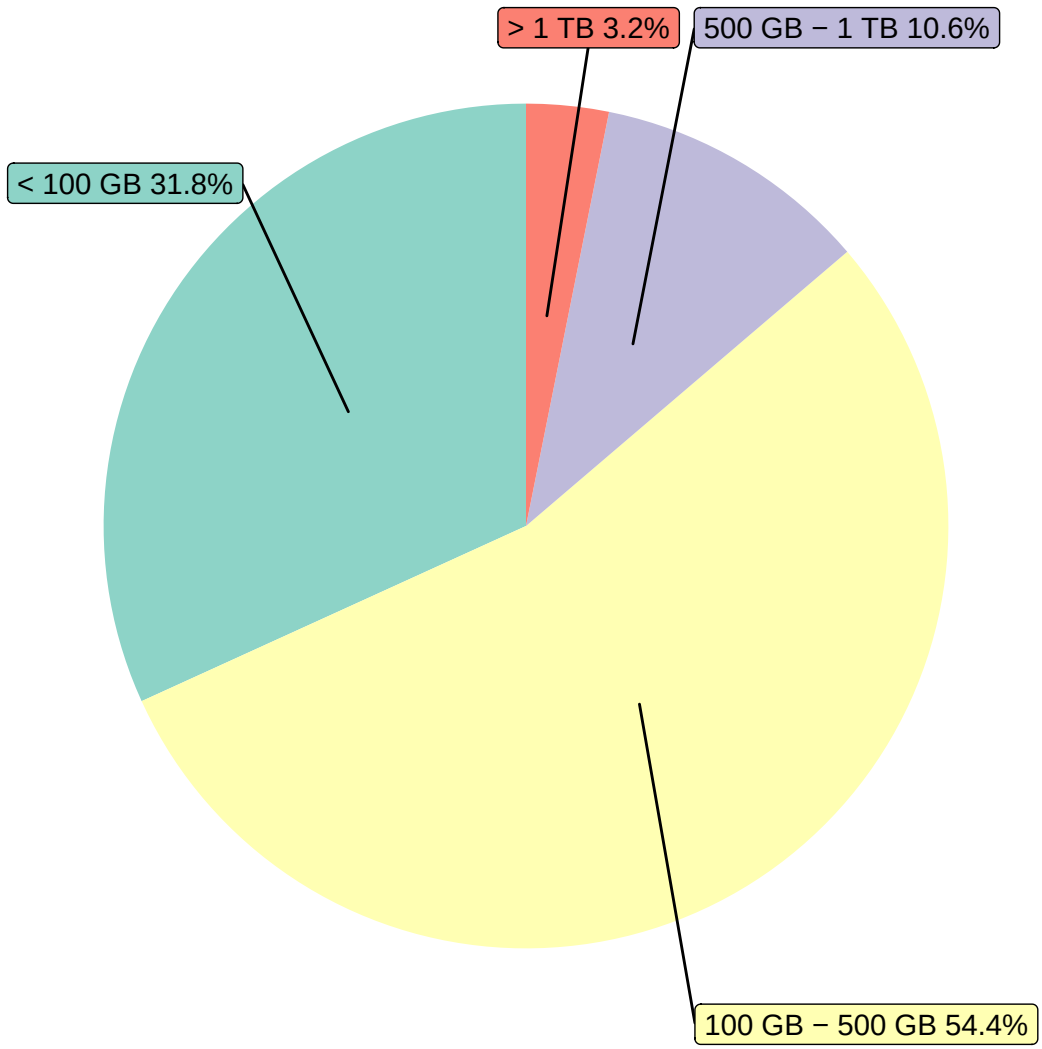

RAM
Participant Count
350
300
250
200
150
100
50
0
4 GB
8 GB
16 GB
32 GB
> 32 GB

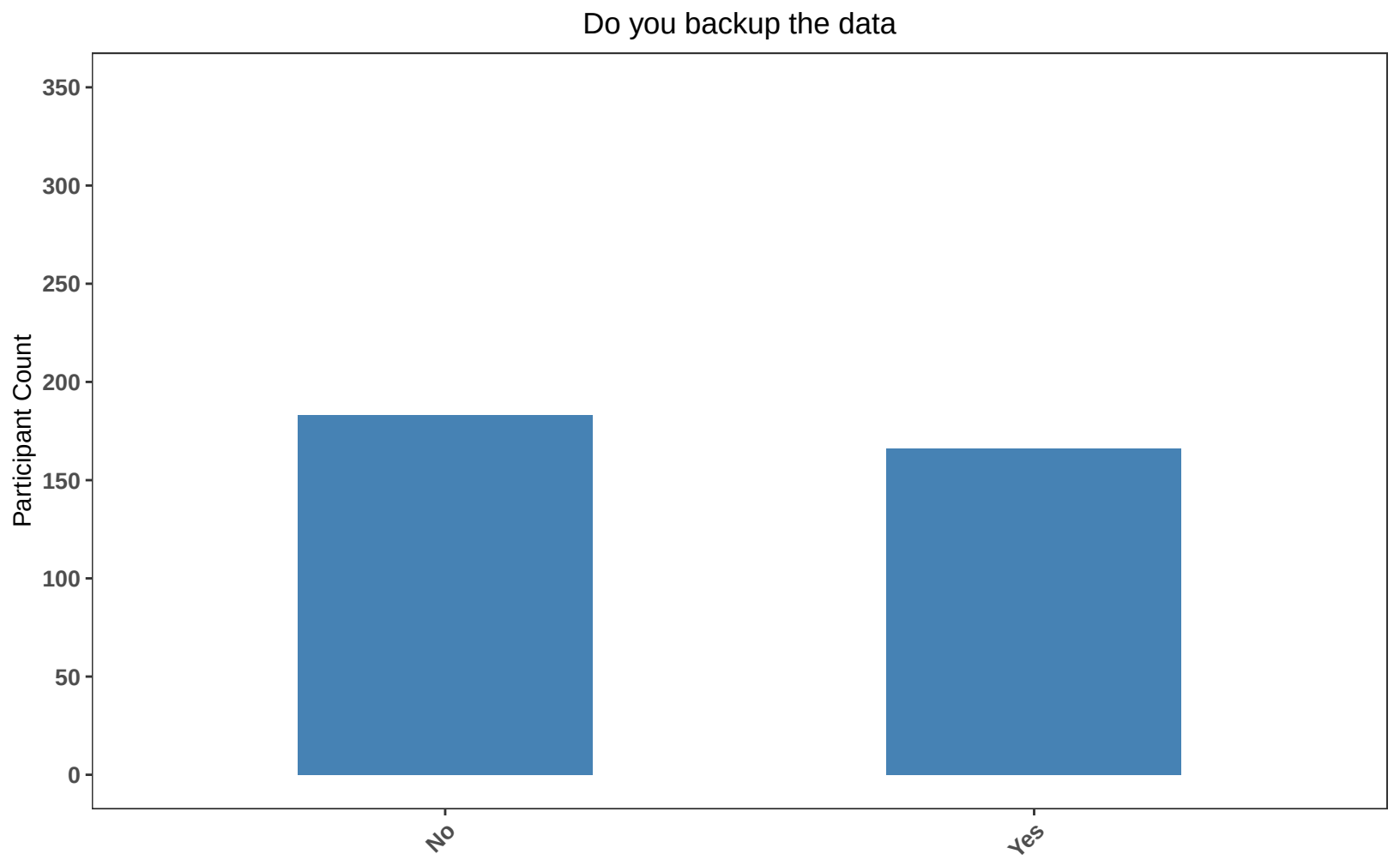

4 GB 11.5%
> 32 GB 6.3%
32 GB 7.2%
16 GB 31.8%
8 GB 43.3%

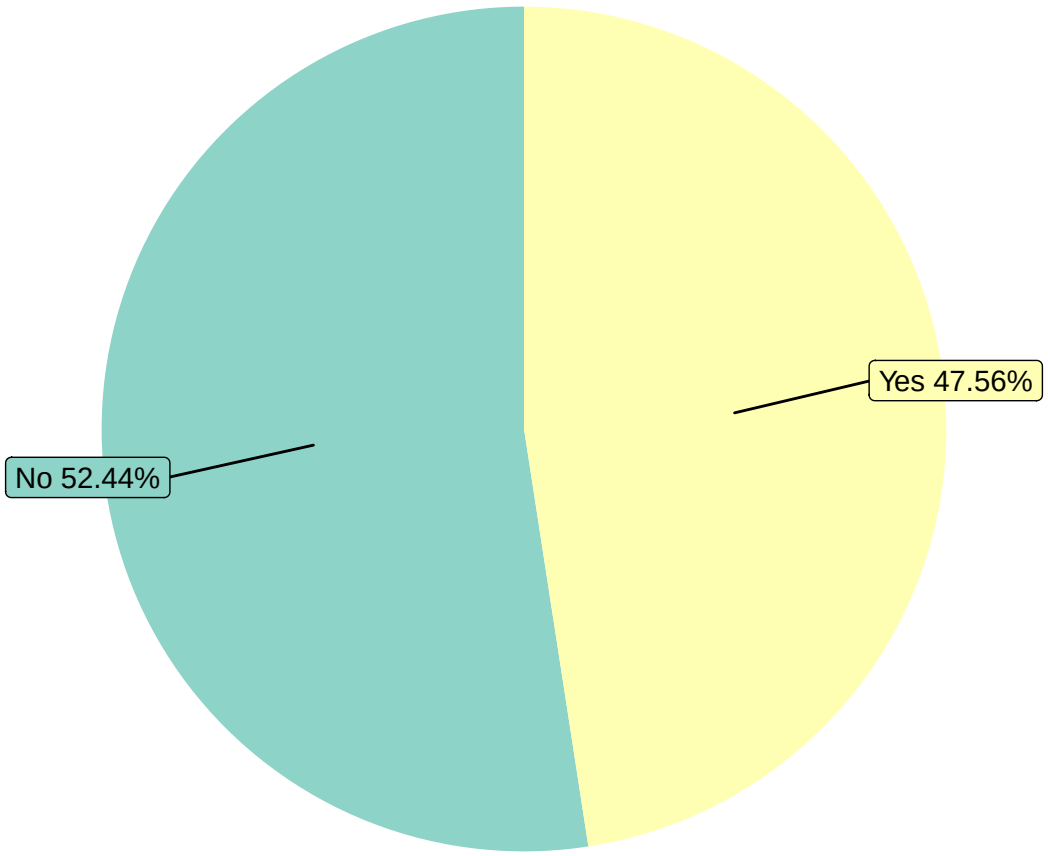

Hard disk size
Participant Count
350
300
250
200
150
100
50
0
128 GB
256 GB
512 GB
1 TB
> 1 TB

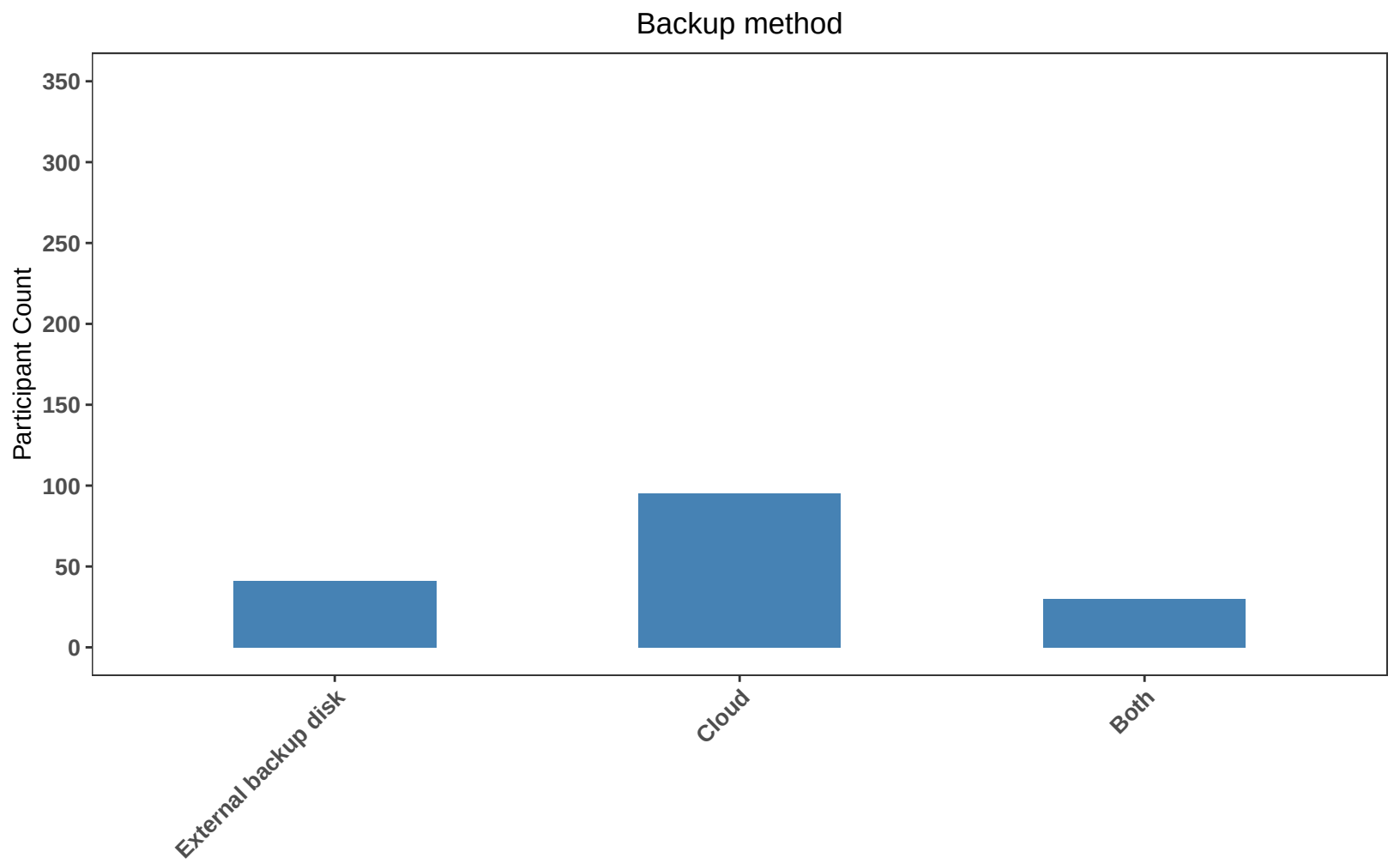

> 1 TB 6.6%
1 TB 16.0%
128 GB 28.9%
512 GB 16.6%
256 GB 31.8%

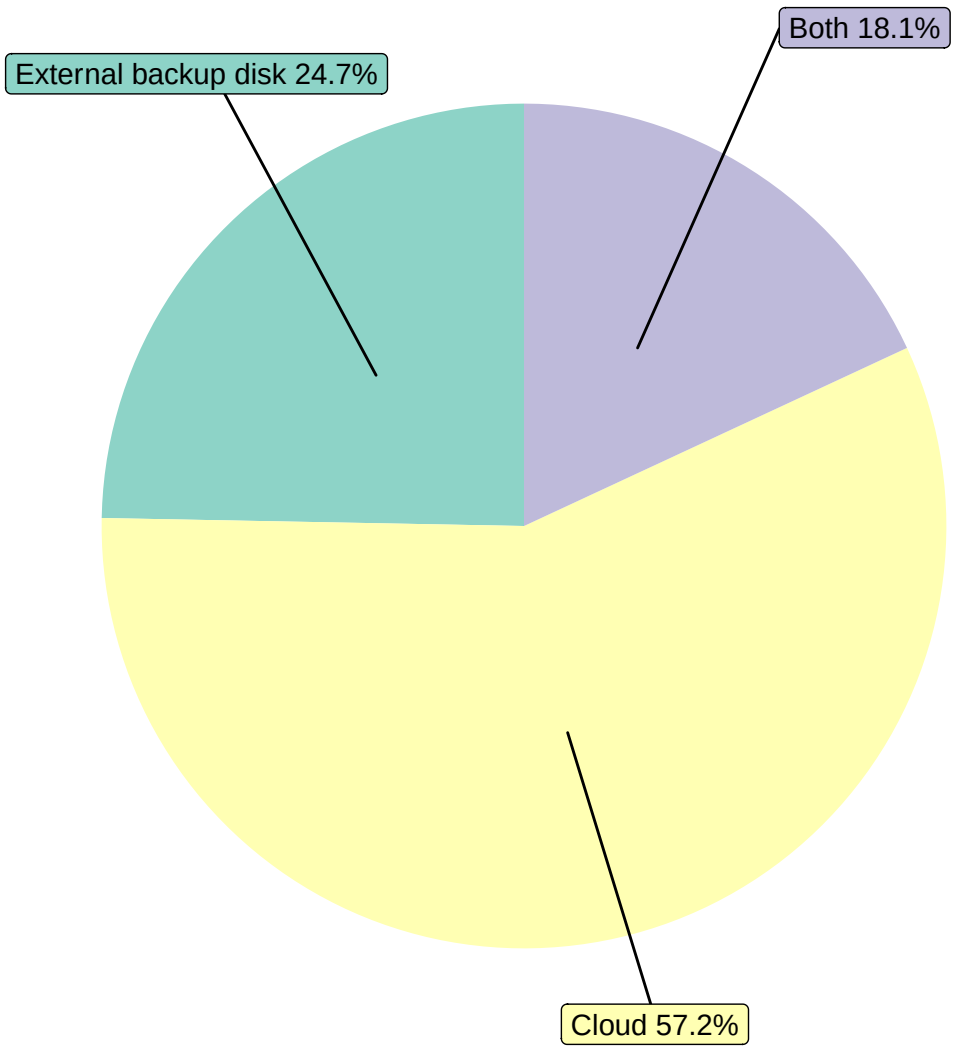

Data size in hard disk
Participant Count
350
300
250
200
150
100
50
0
< 100 GB
100 GB – 500 GB
500 GB – 1 TB
> 1 TB

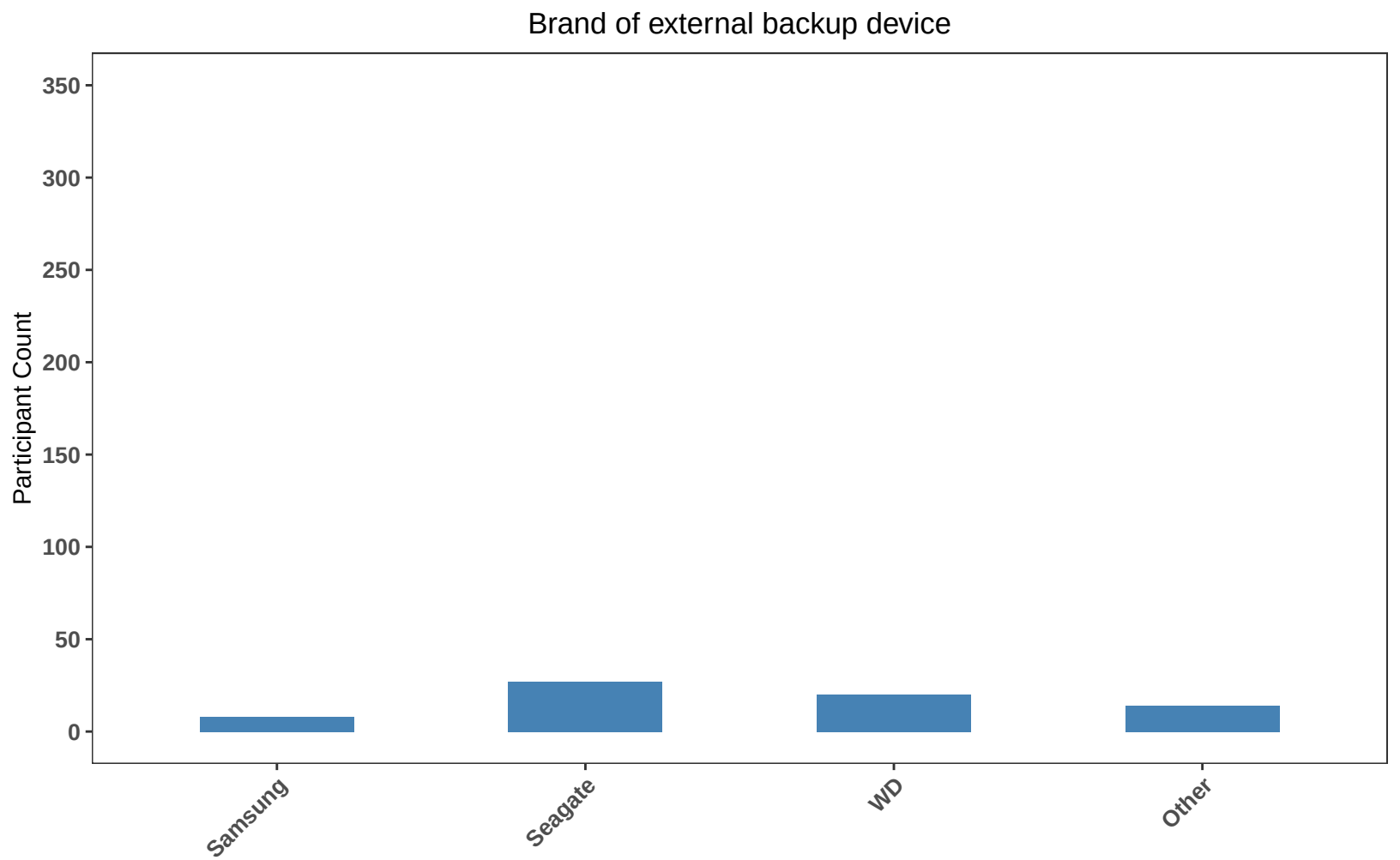

> 1 TB 3.2%
500 GB − 1 TB 10.6%
< 100 GB 31.8%
100 GB − 500 GB 54.4%

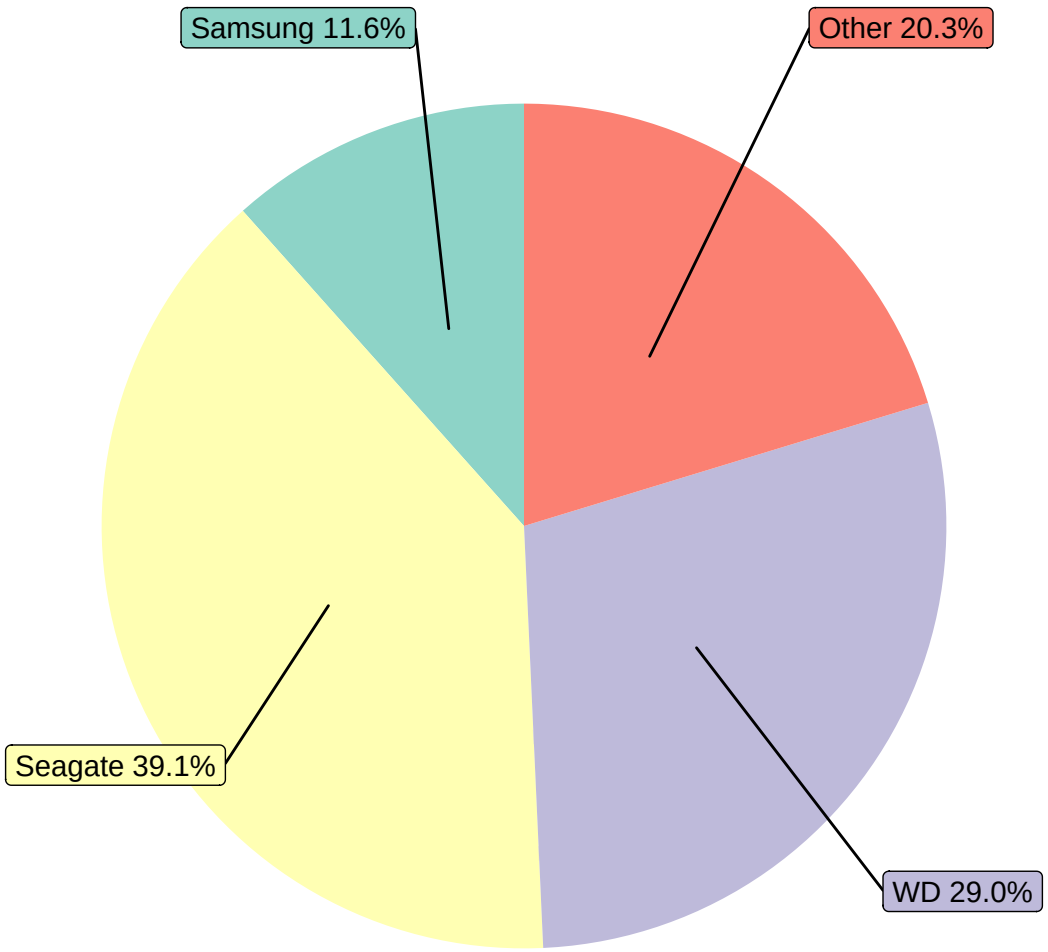

Do you backup the data
Participant Count
350
300
250
200
150
100
50
0
No
Yes

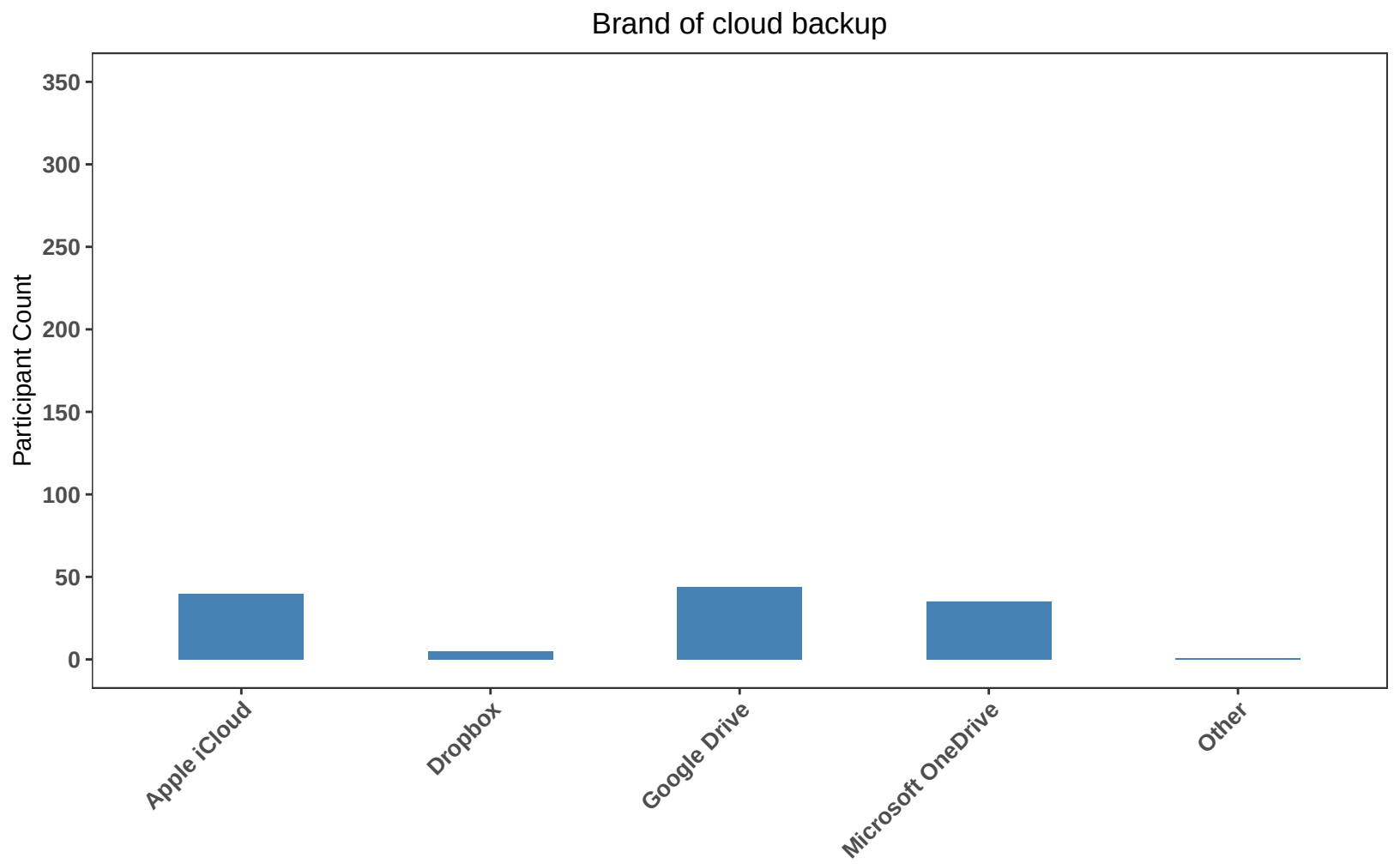

Yes 47.56%
No 52.44%

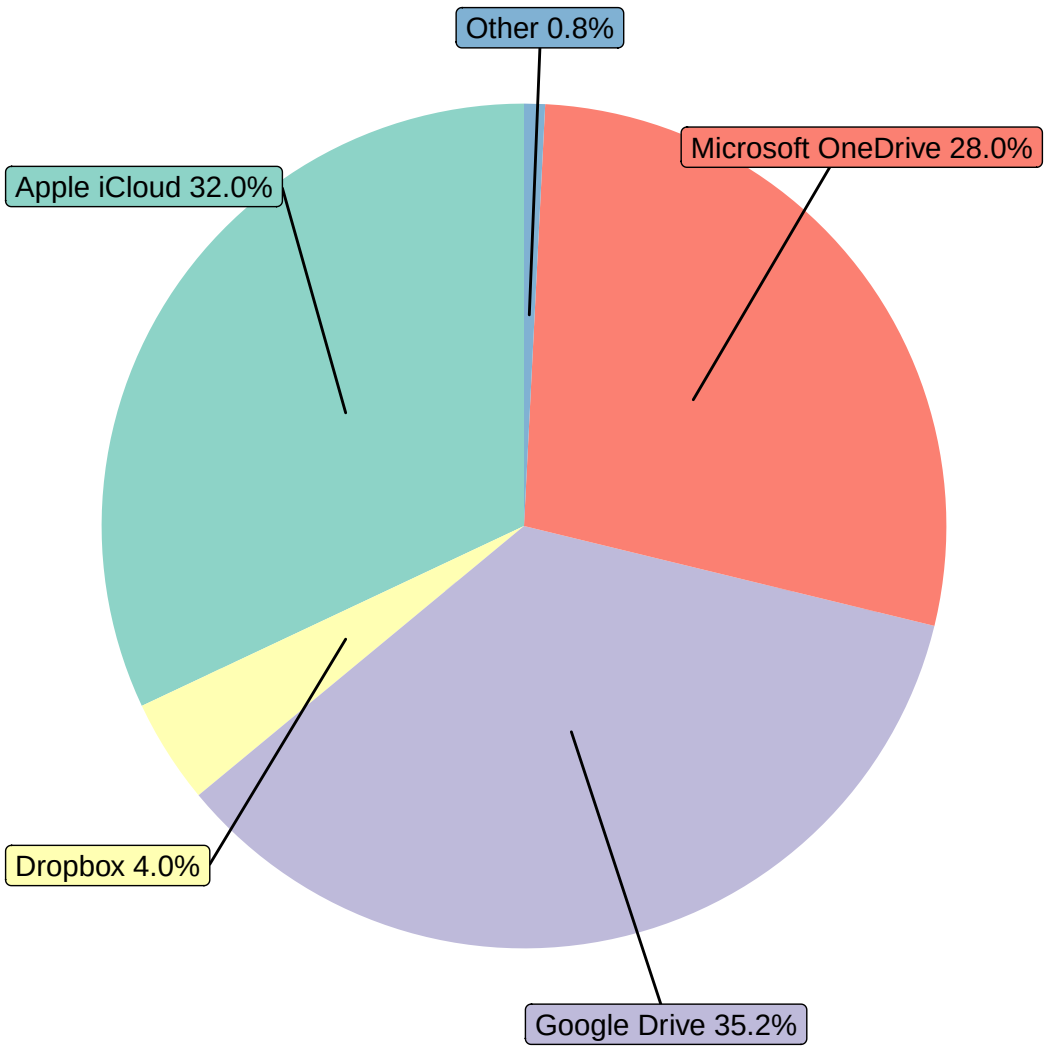

Backup method
Participant Count
350
300
250
200
150
100
50
0
External backup disk
Cloud
Both

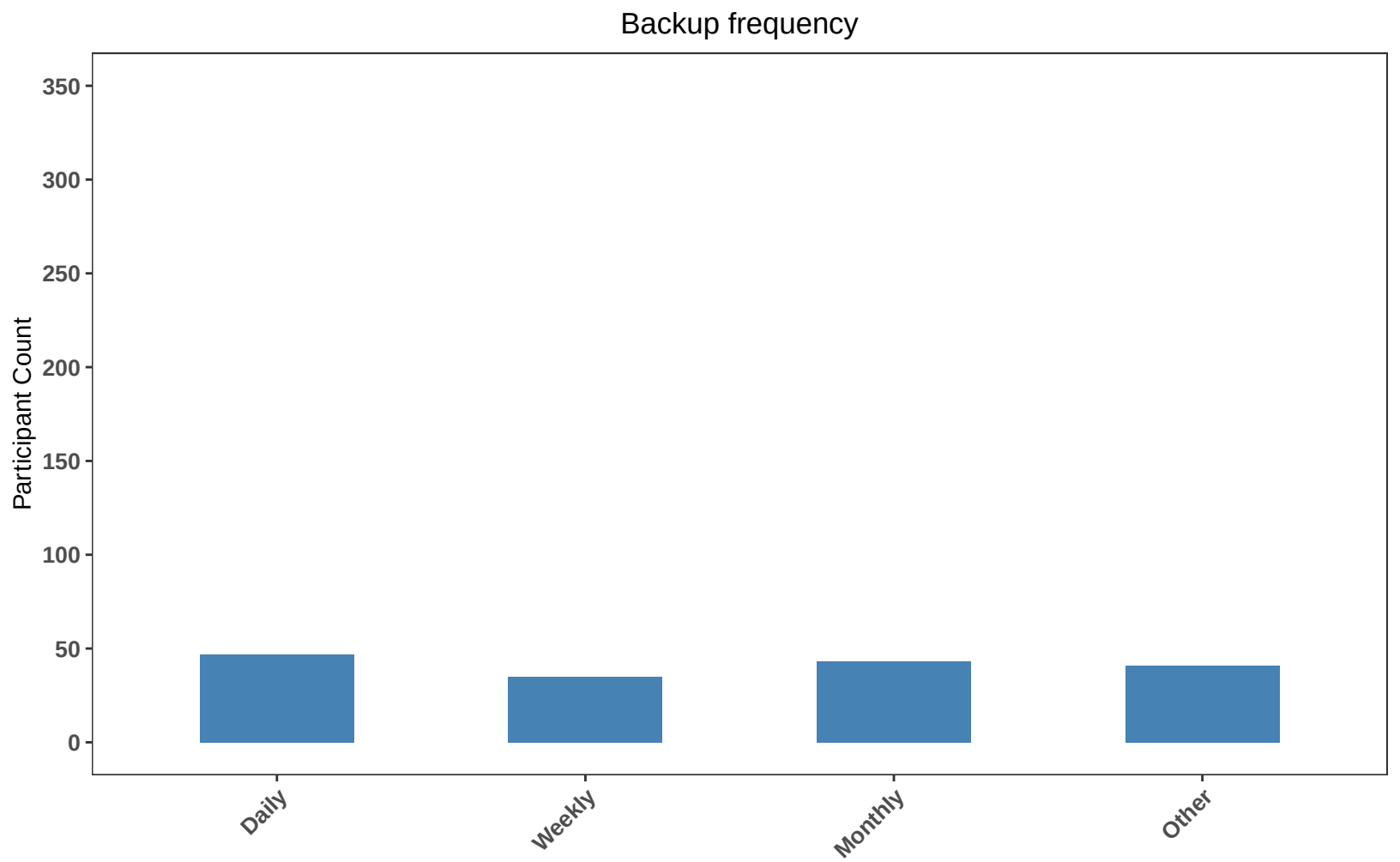

External backup disk 24.7%
Both 18.1%
Cloud 57.2%

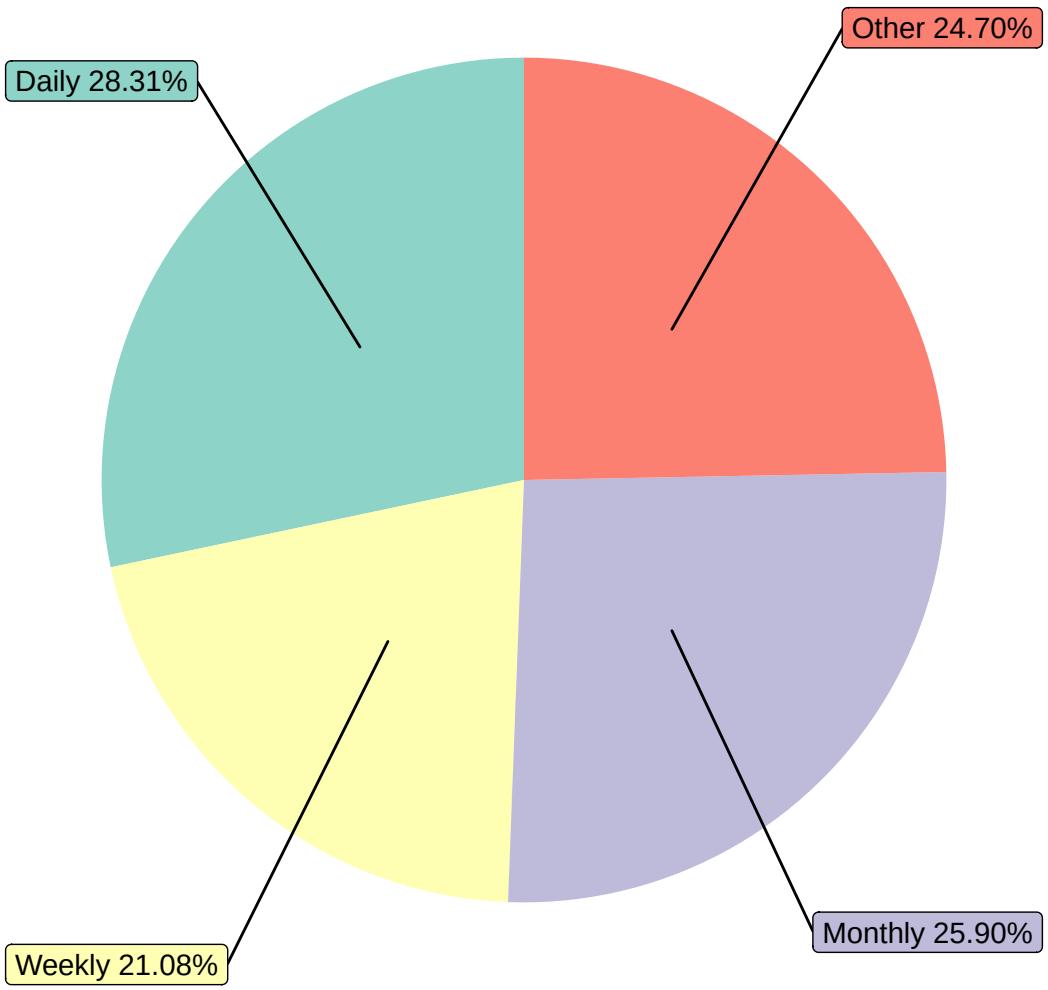

Brand of external backup device
Participant Count
350
300
250
200
150
100
50
0
Samsung
Seagate
WD
Other

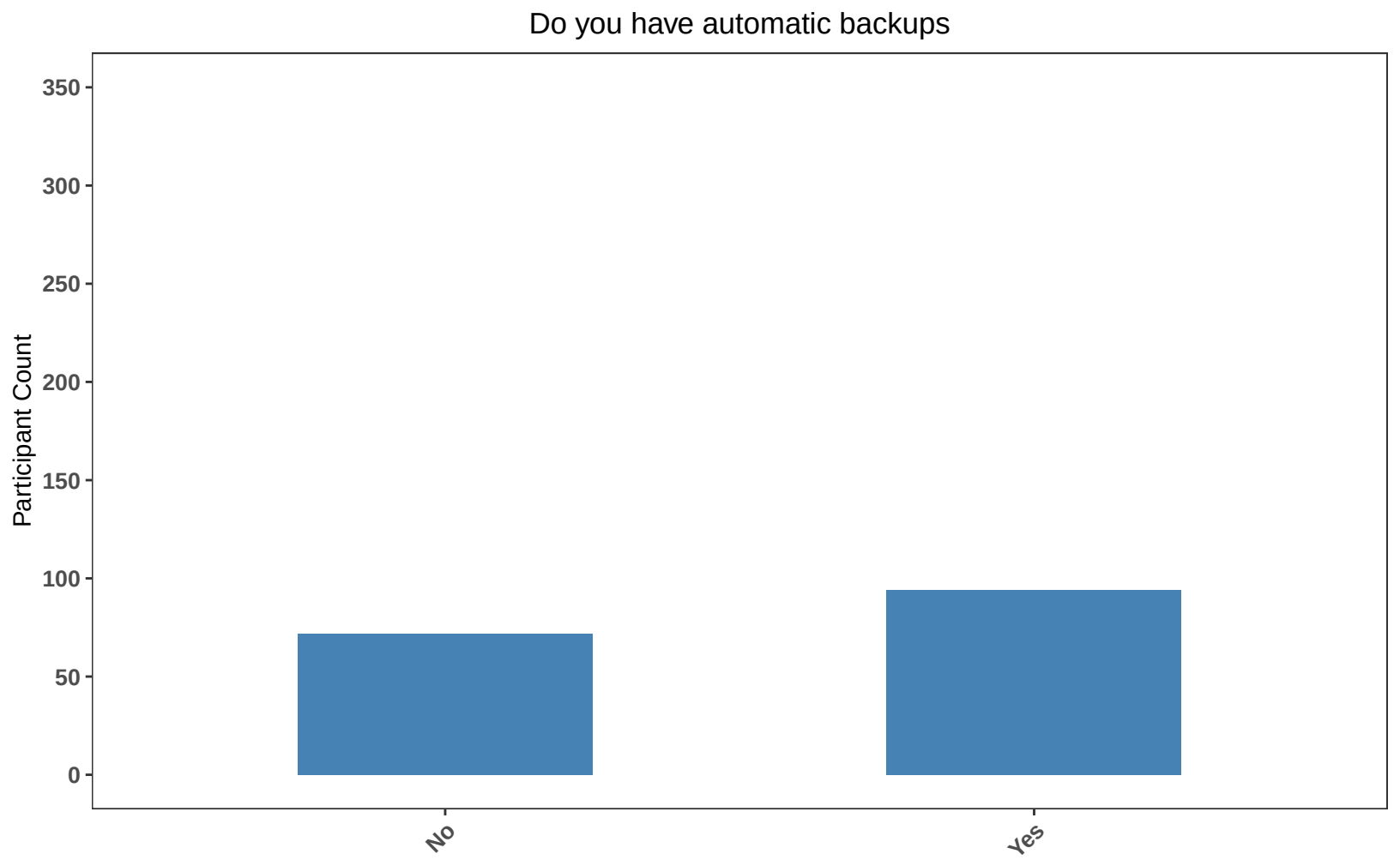

Samsung 11.6%
Other 20.3%
Seagate 39.1%
WD 29.0%

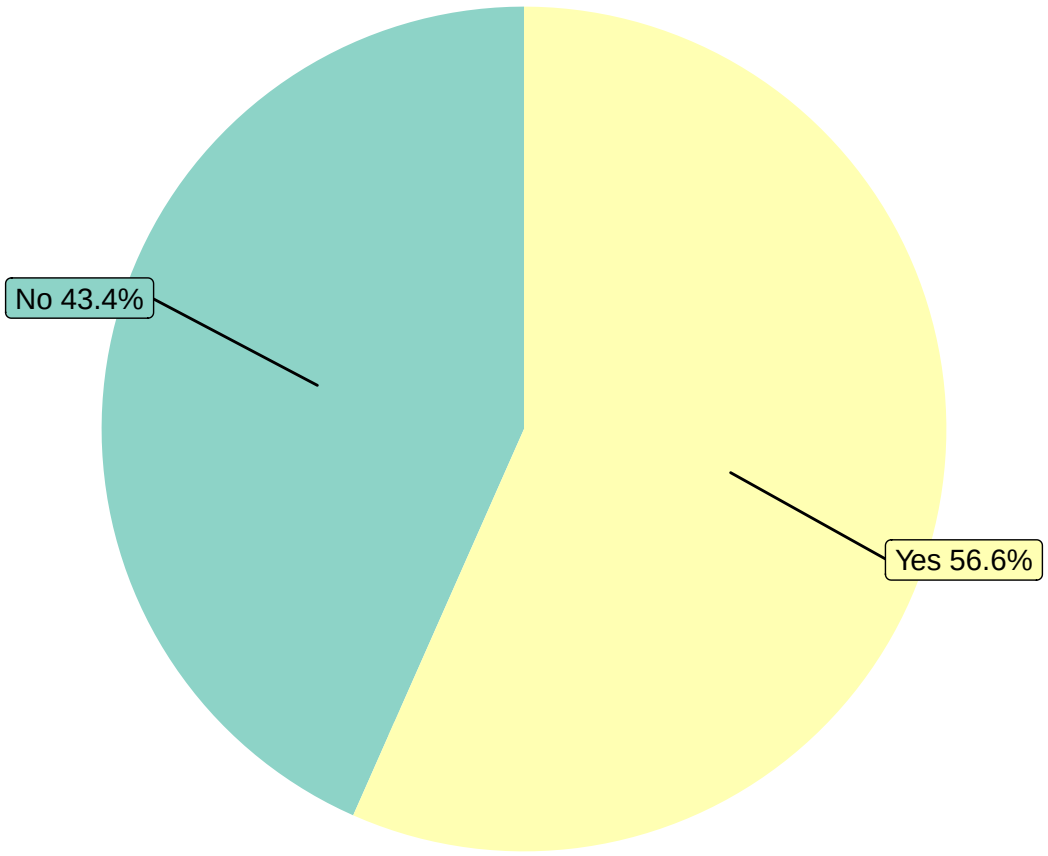

Brand of cloud backup
Participant Count
350
300
250
200
150
100
50
0
Apple iCloud
Dropbox
Google Drive
Microsoft OneDrive
Other

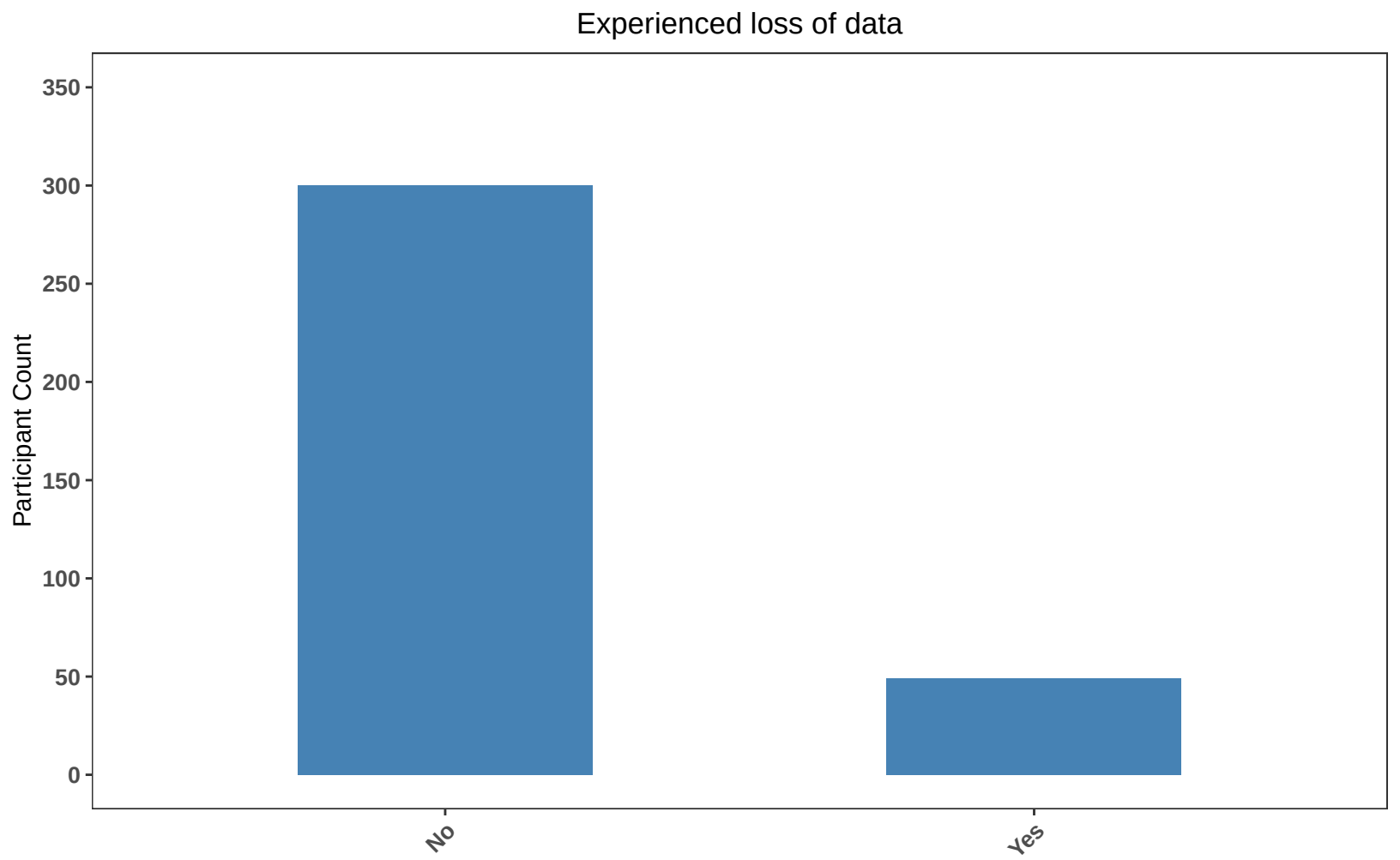

Other 0.8%
Microsoft OneDrive 28.0%
Apple iCloud 32.0%
Dropbox 4.0%
Google Drive 35.2%

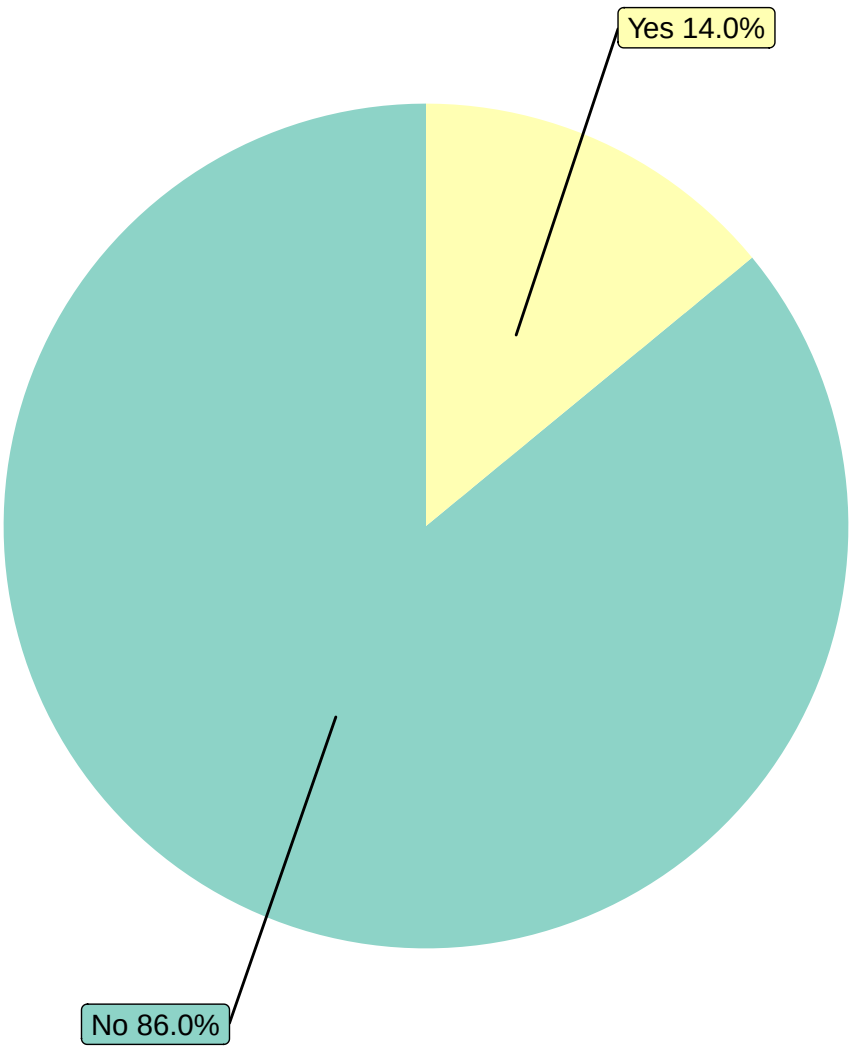

Backup frequency
Participant Count
350
300
250
200
150
100
50
0
Daily
Weekly
Monthly
Other

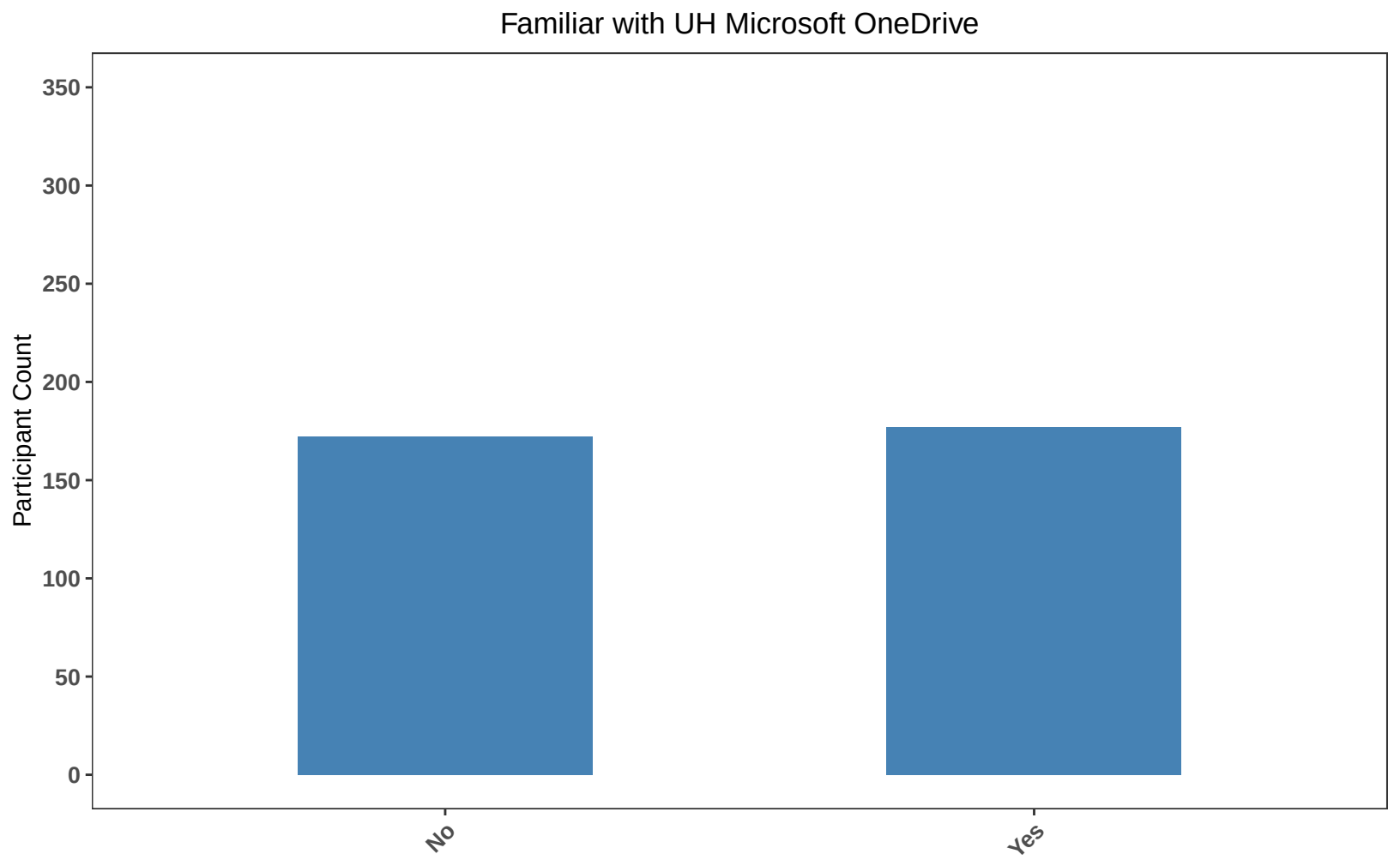

Other 24.70%
Daily 28.31%
Monthly 25.90%
Weekly 21.08%

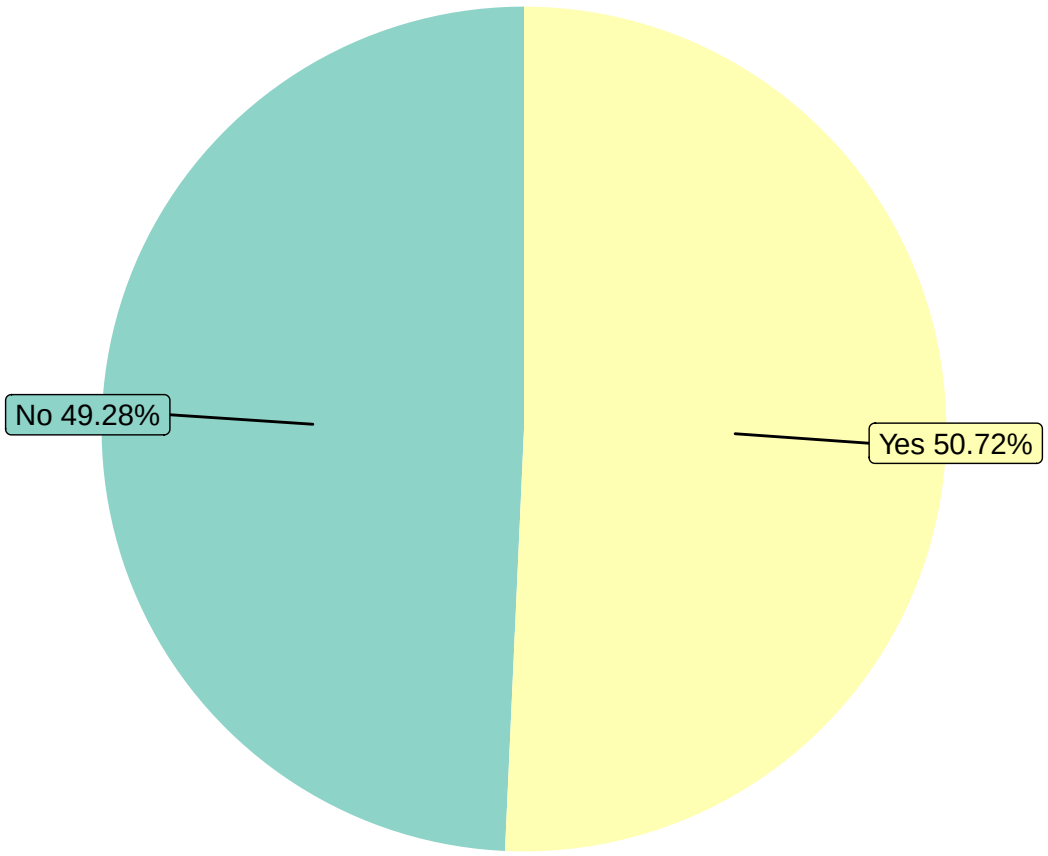

Do you have automatic backups
Participant Count
350
300
250
200
150
100
50
0
No
Yes

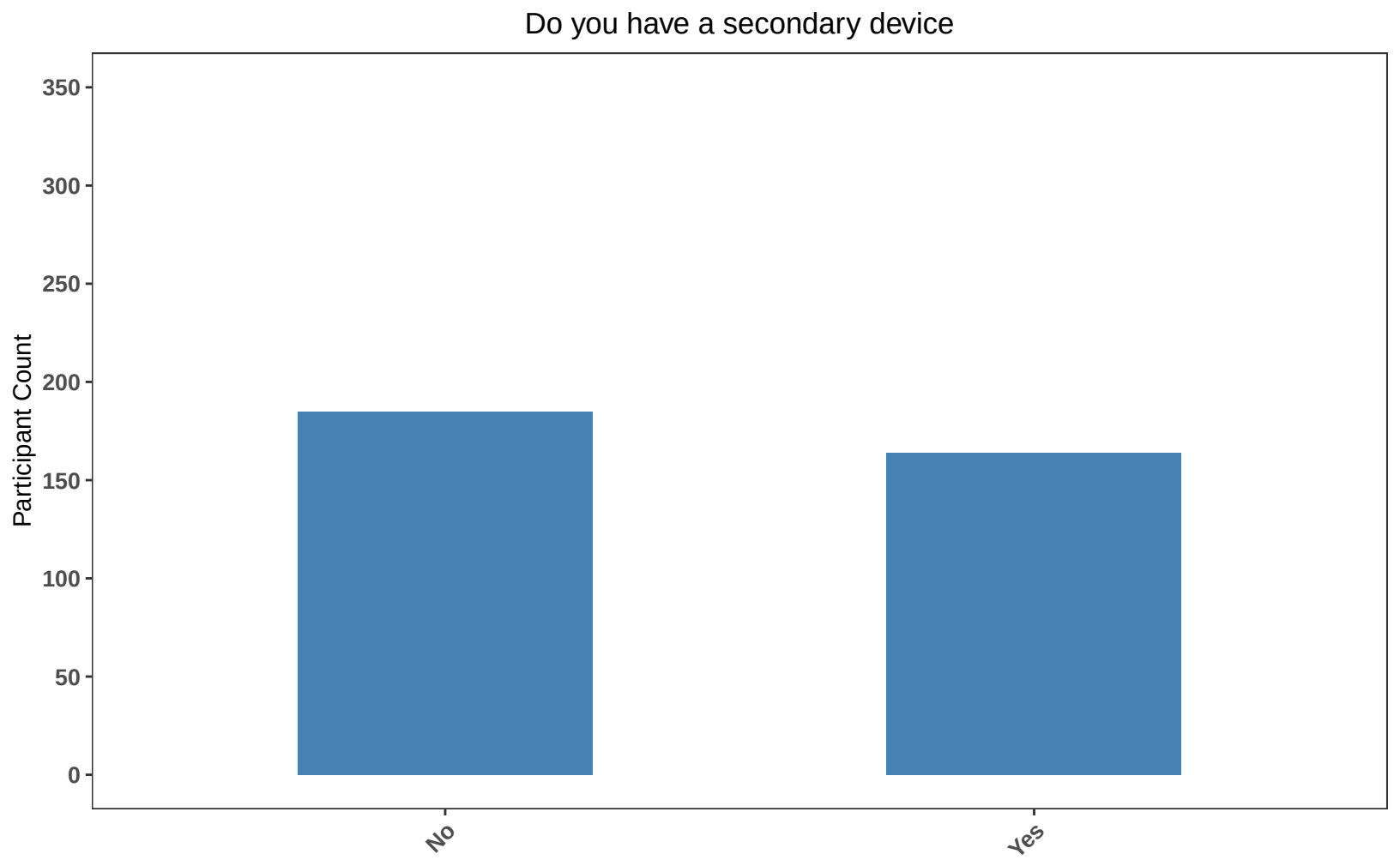

No 43.4%
Yes 56.6%

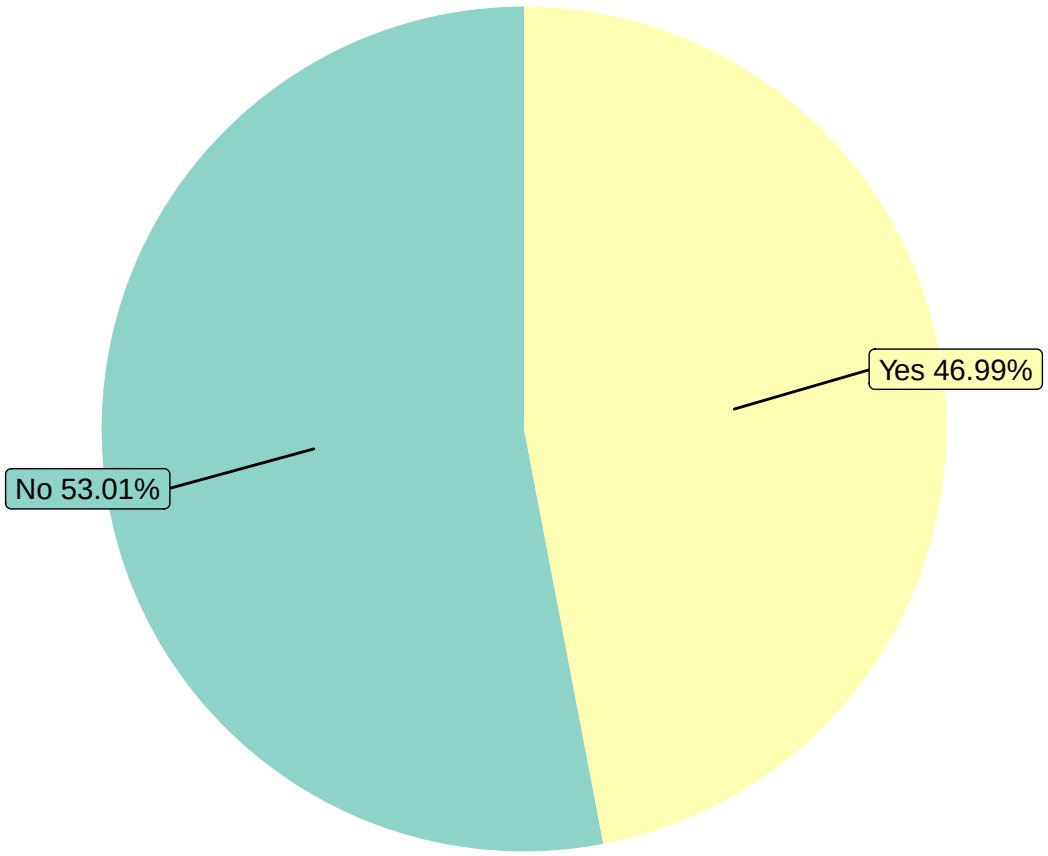

Experienced loss of data
Participant Count
350
300
250
200
150
100
50
0
No
Yes

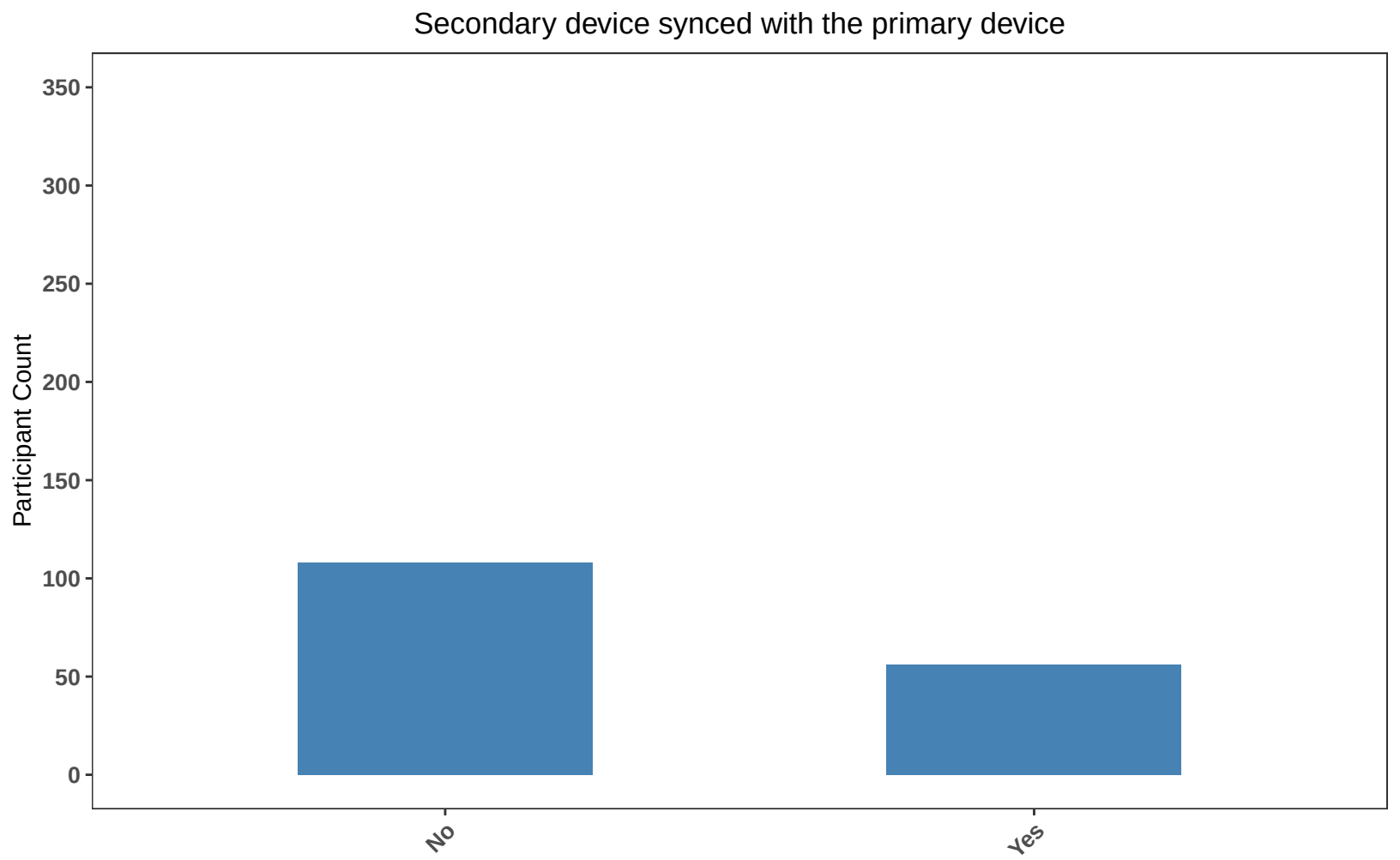

Yes 14.0%
No 86.0%

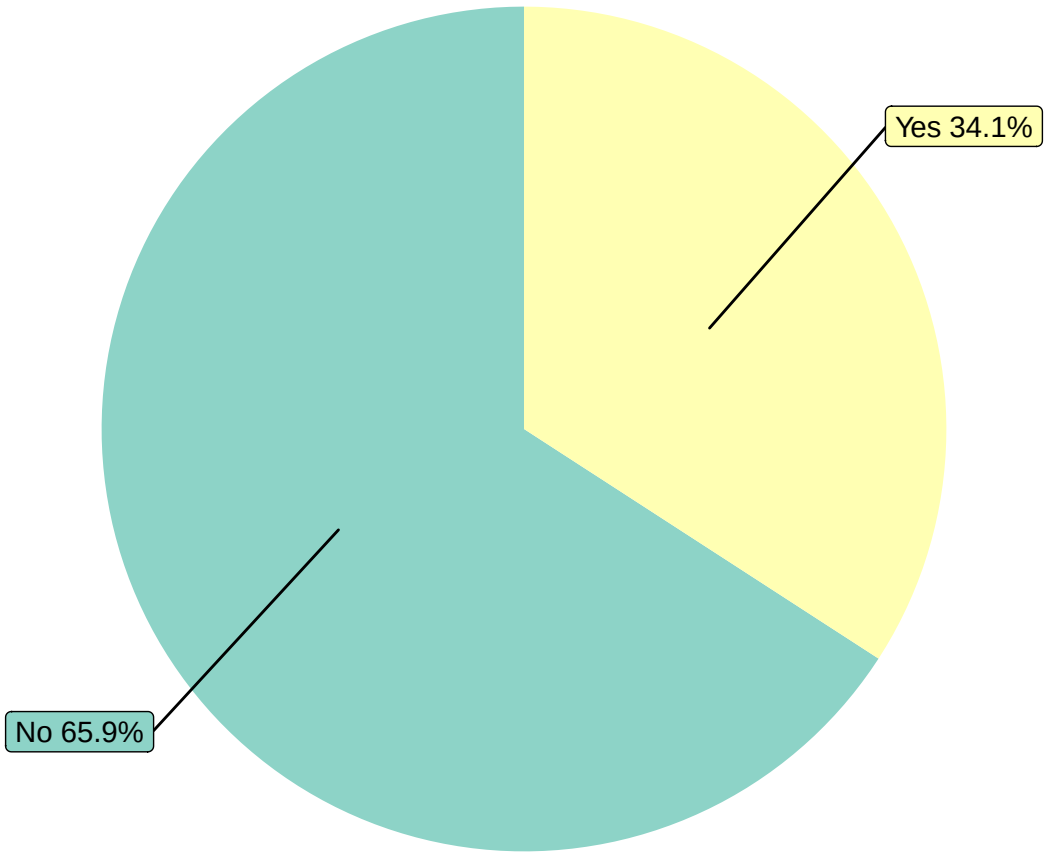

Familiar with UH Microsoft OneDrive
Participant Count
350
300
250
200
150
100
50
0
No
Yes

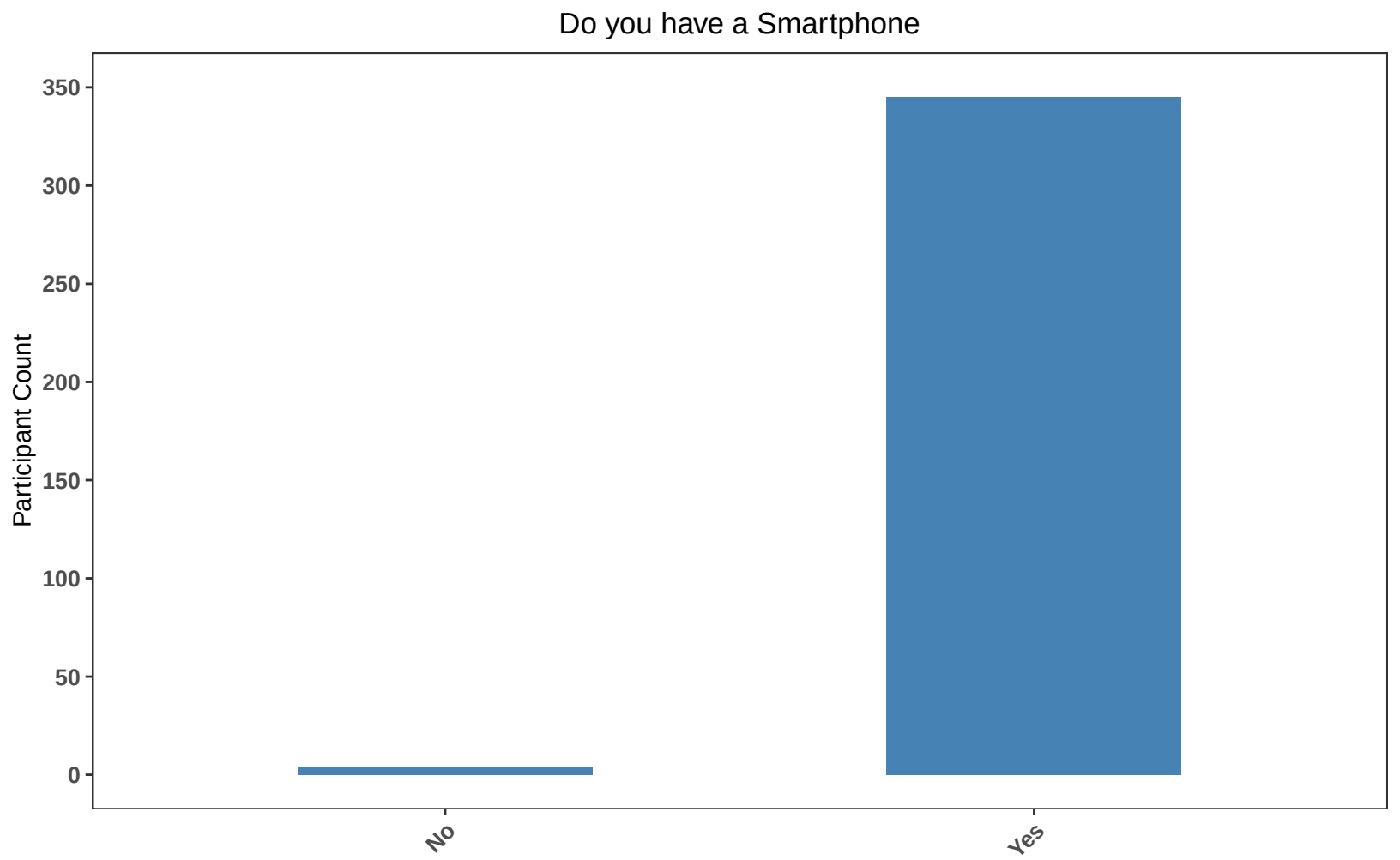

No 49.28%
Yes 50.72%

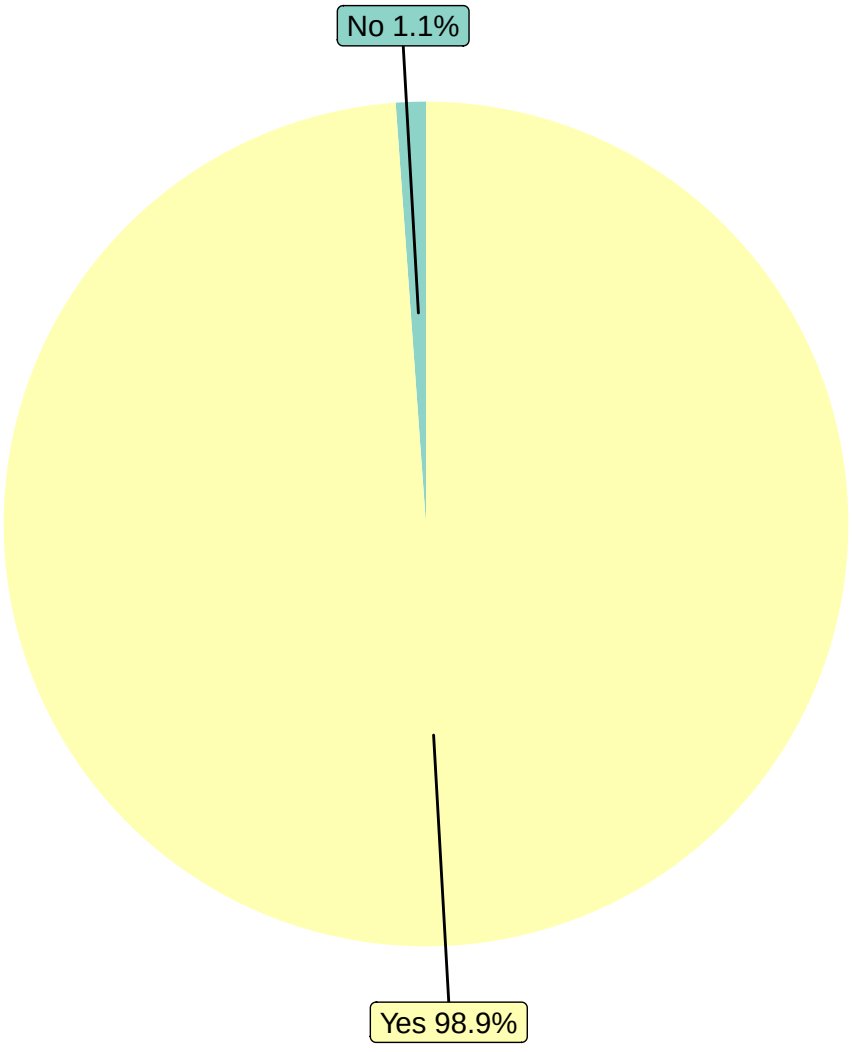

Do you have a secondary device
Participant Count
350
300
250
200
150
100
50
0
No
Yes

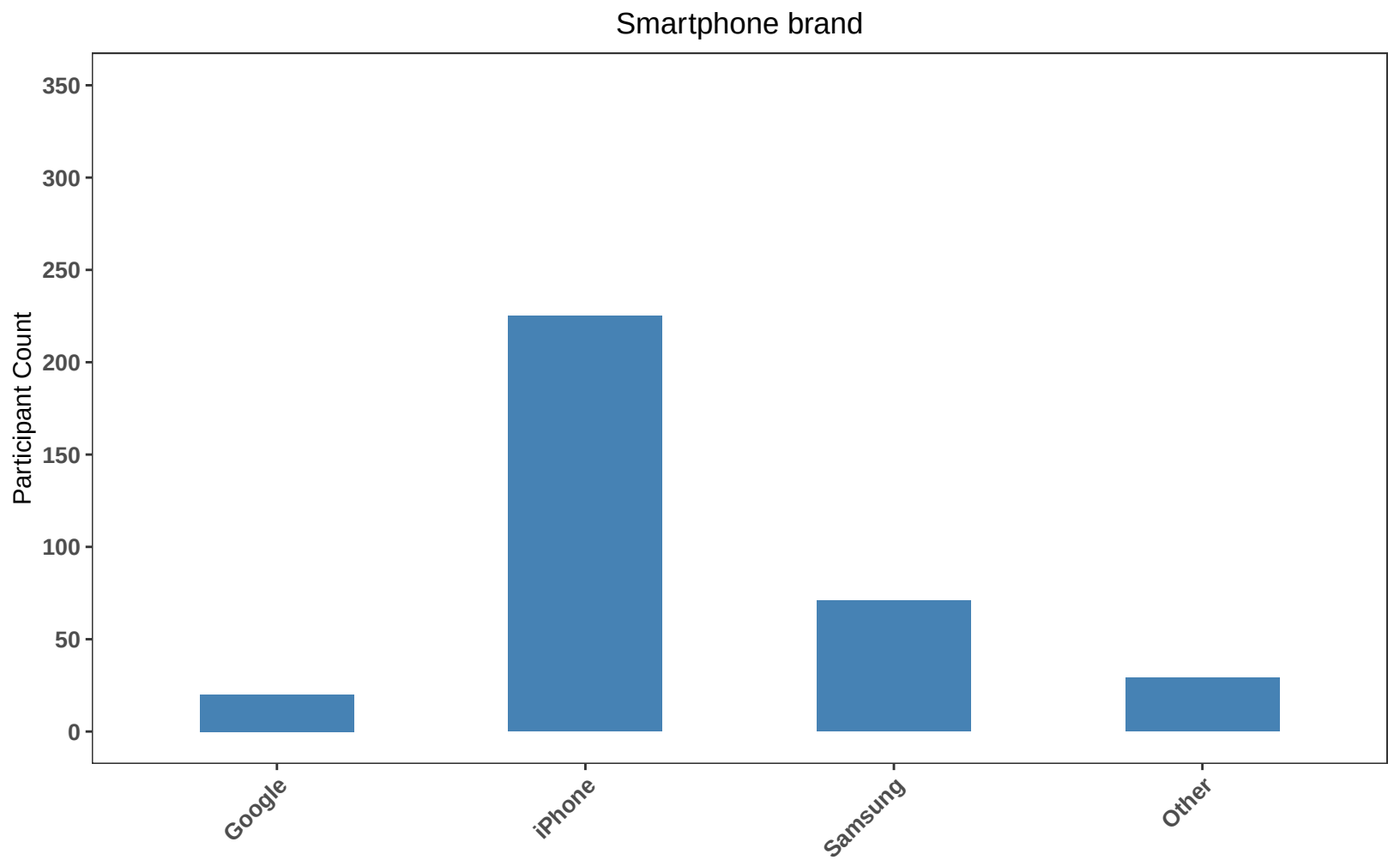

Yes 46.99%
No 53.01%

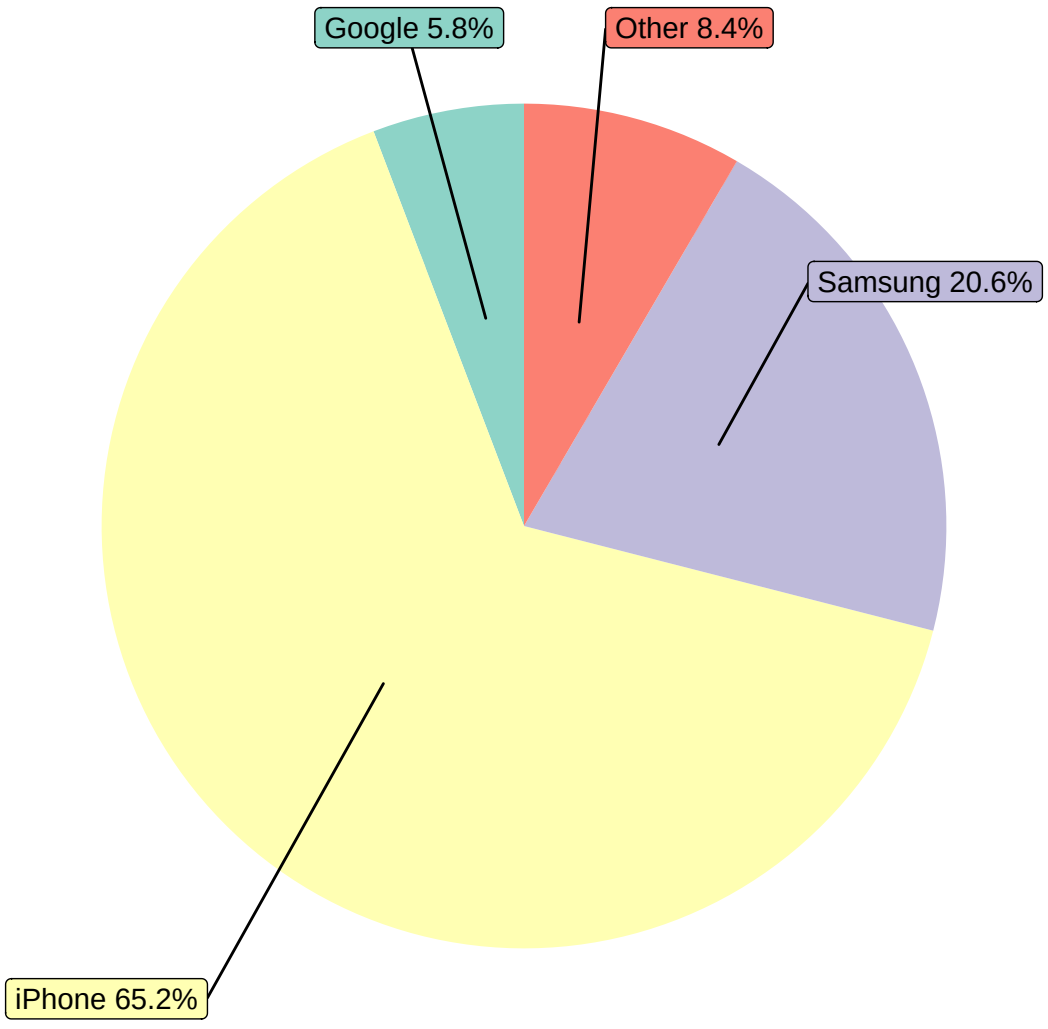

Secondary device synced with the primary device
Participant Count
350
300
250
200
150
100
50
0
No
Yes

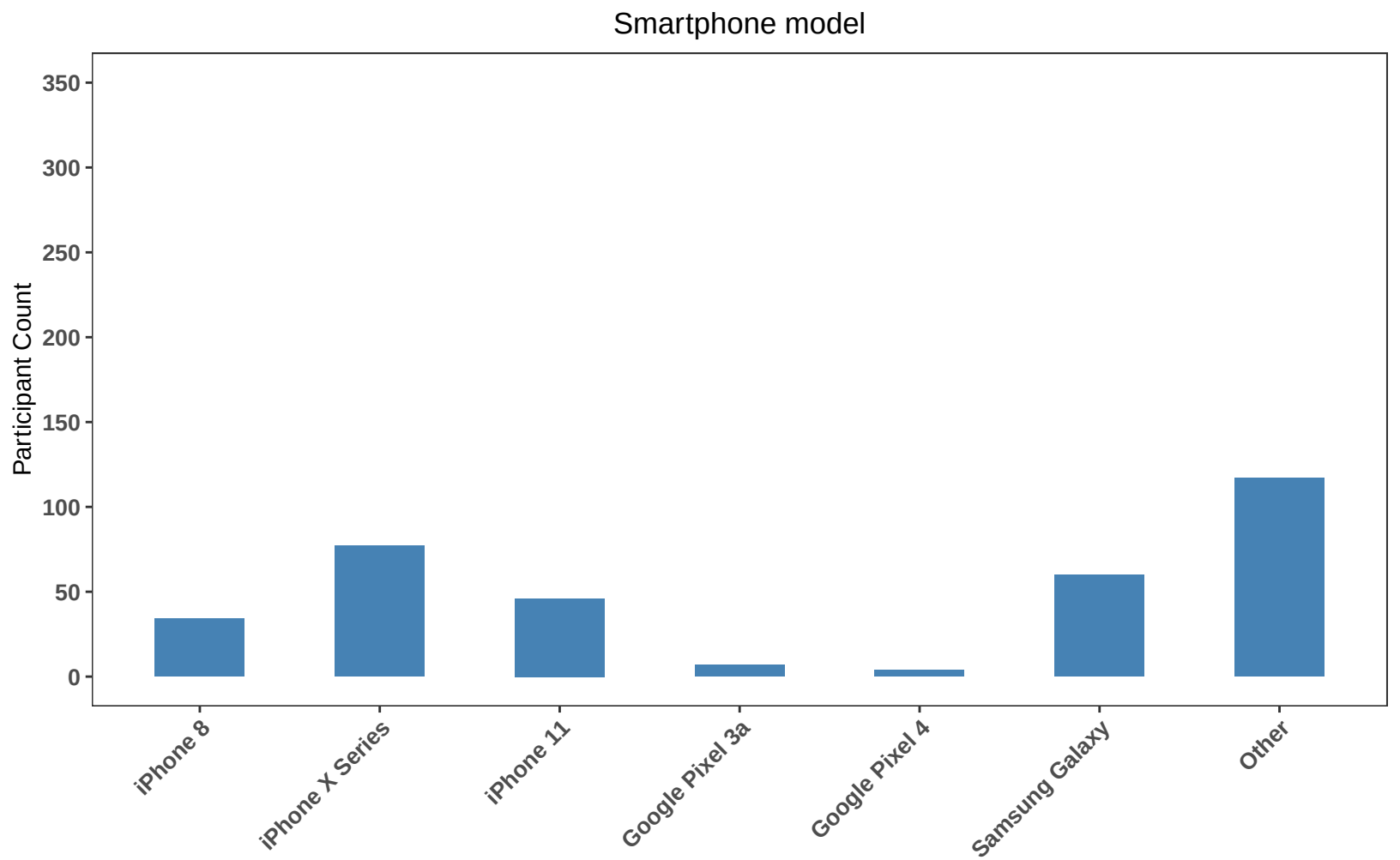

Yes 34.1%
No 65.9%

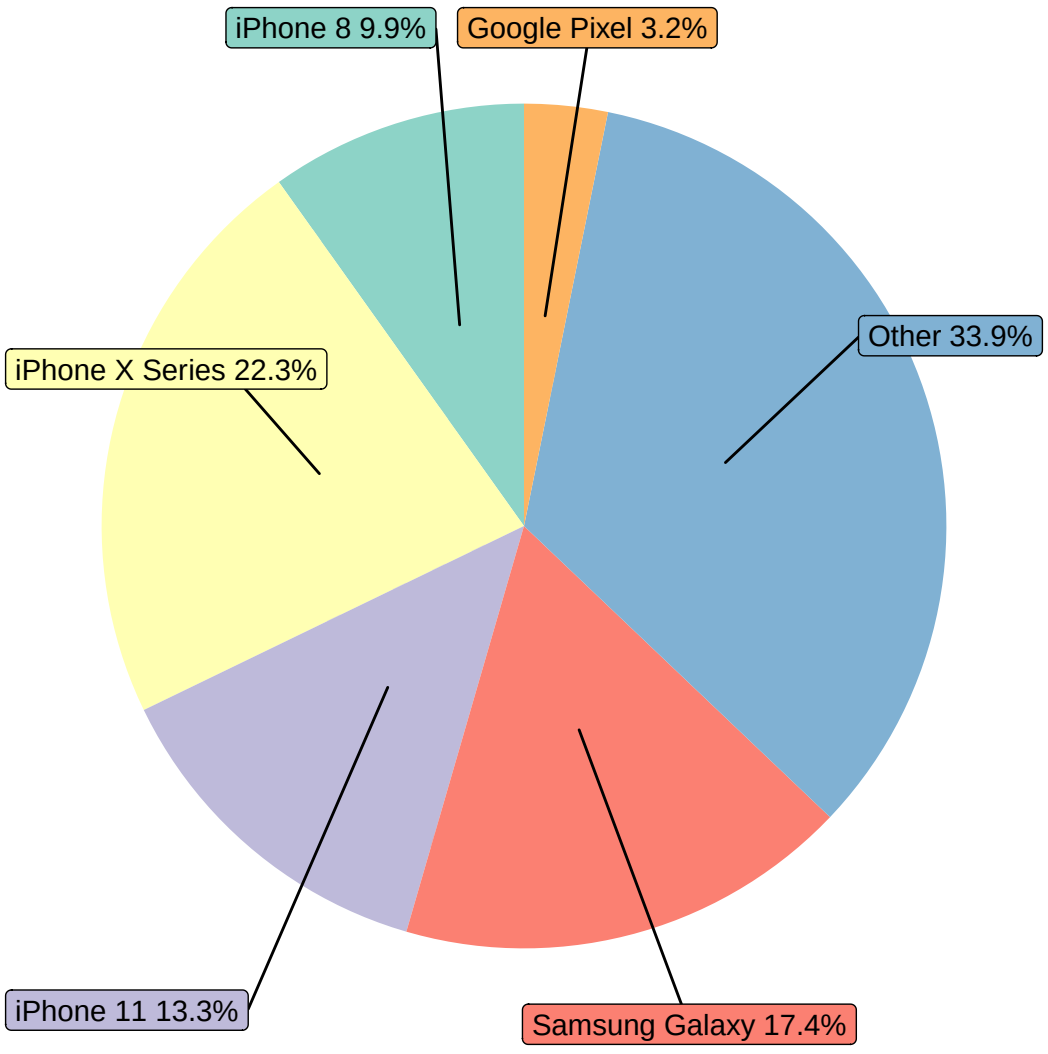

Do you have a Smartphone
Participant Count
350
300
250
200
150
100
50
0
No
Yes

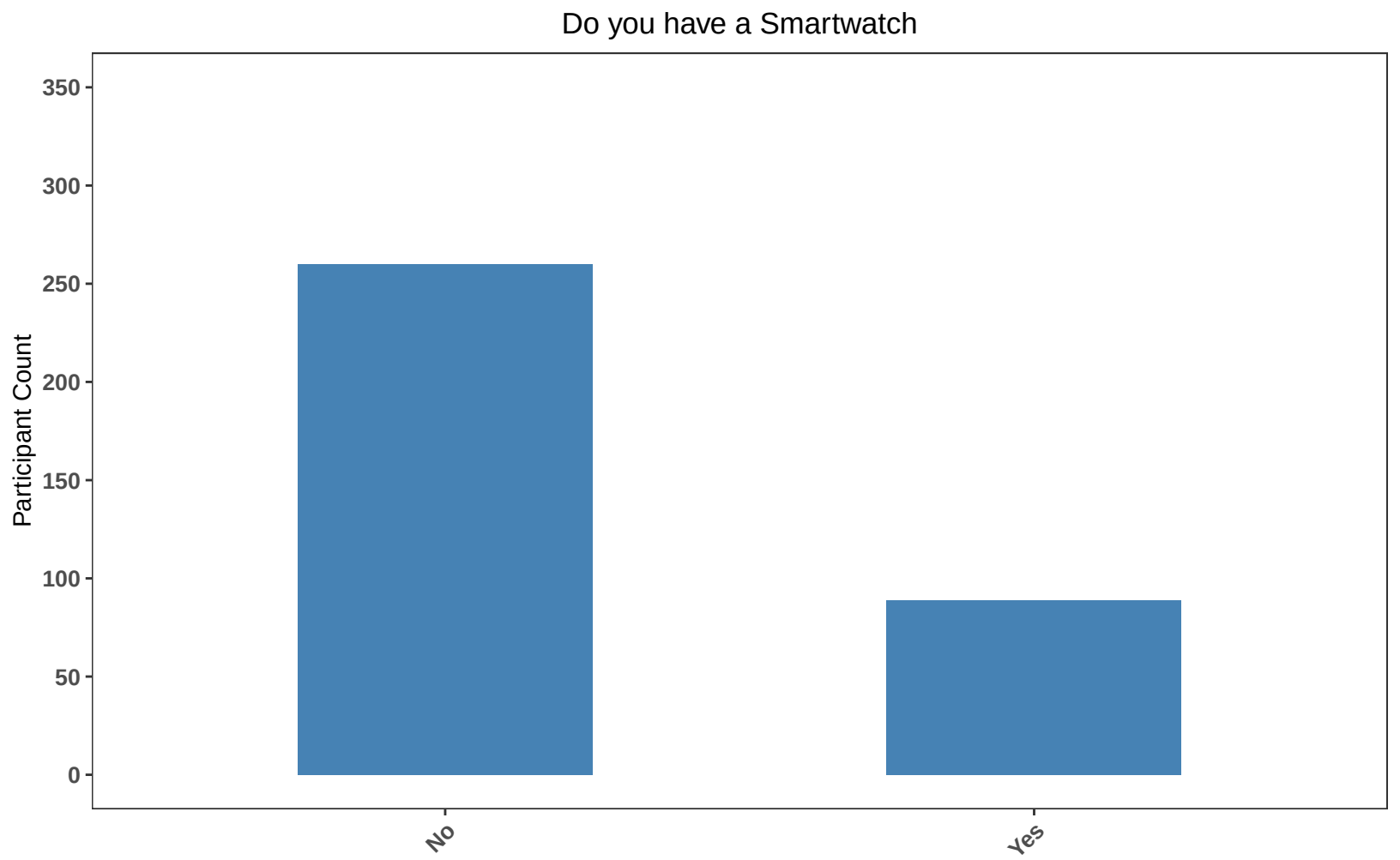

No 1.1%
Yes 98.9%

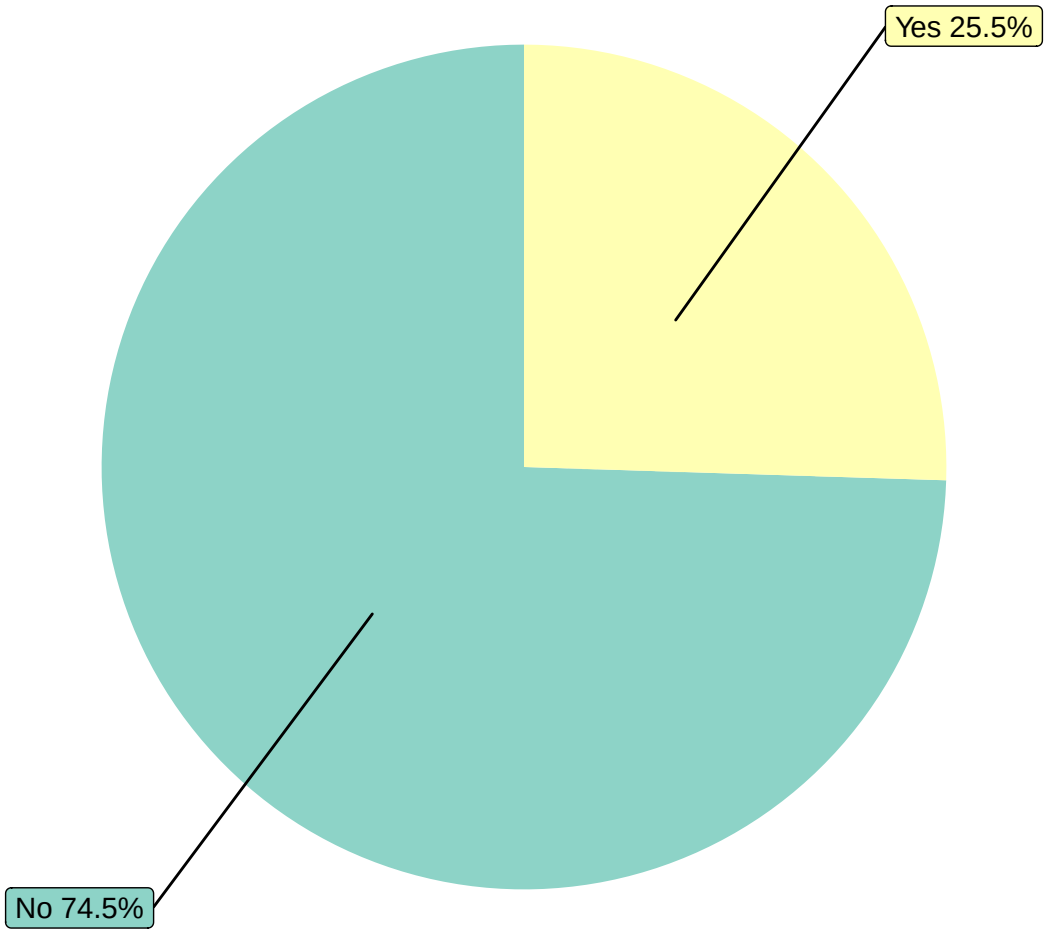

Smartphone brand
Participant Count
350
300
250
200
150
100
50
0
Google
iPhone
Samsung
Other

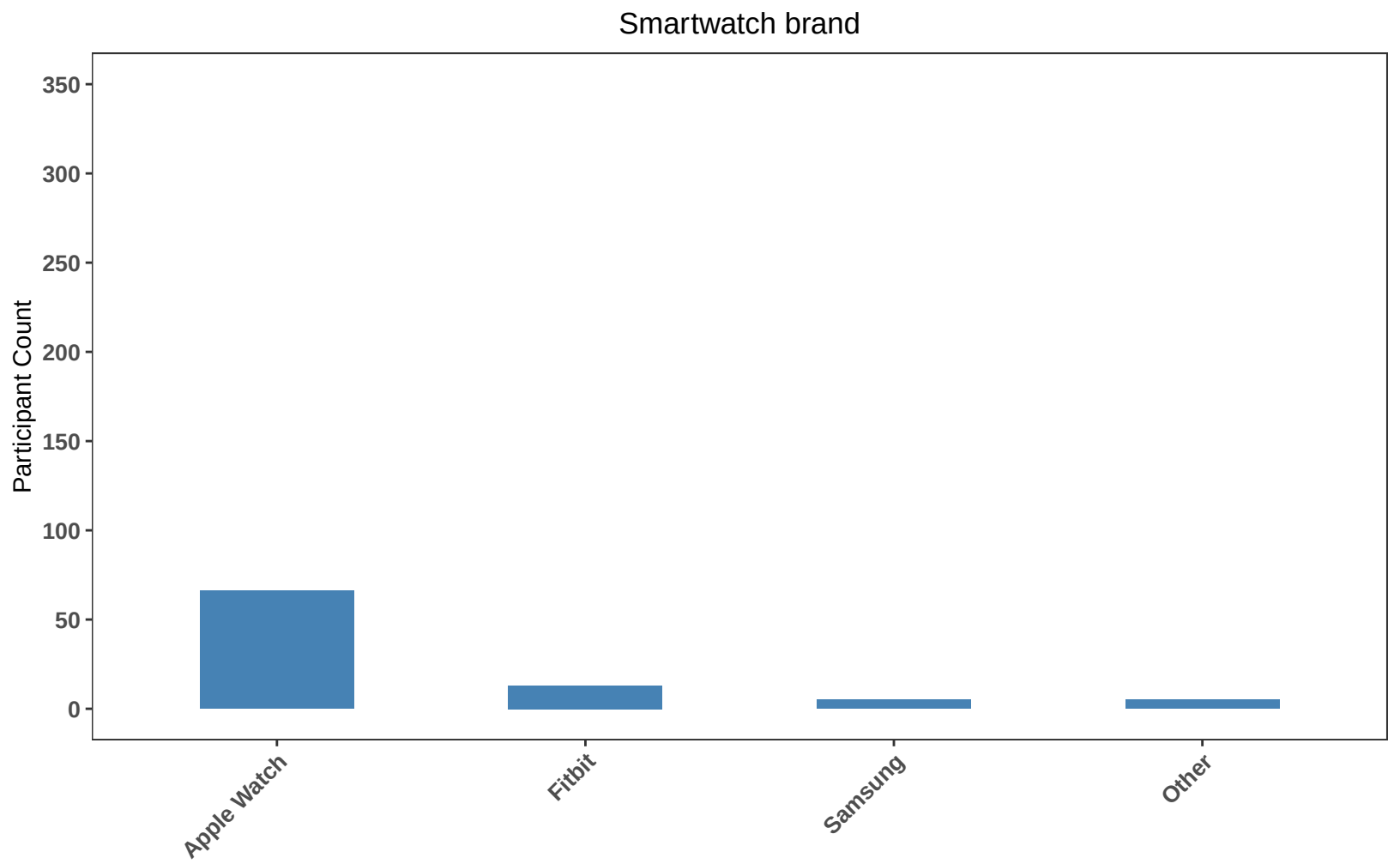

Google 5.8%
Other 8.4%
Samsung 20.6%
iPhone 65.2%

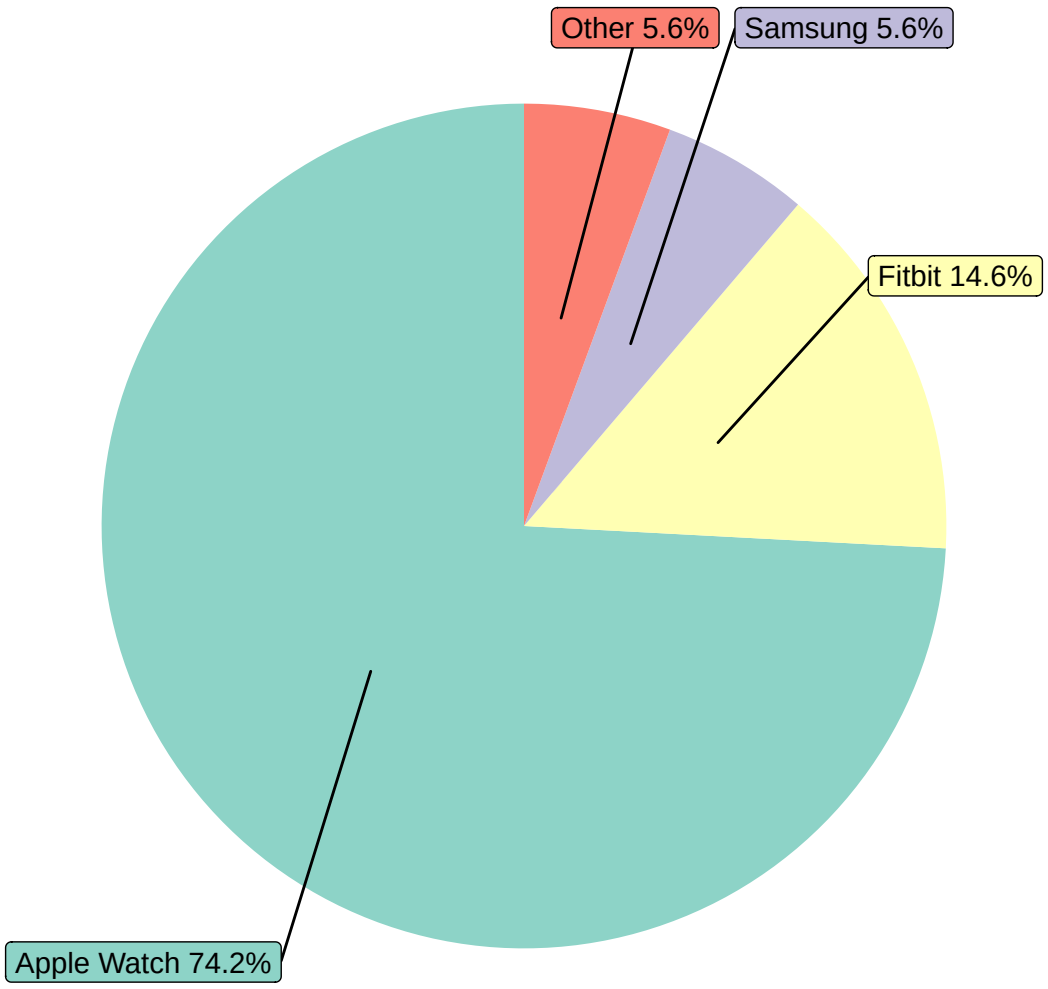

Smartphone model
Participant Count
350
300
250
200
150
100
50
0
iPhone 8
iPhone X Series
iPhone 11
Google Pixel 3a
Google Pixel 4
Samsung Galaxy
Other

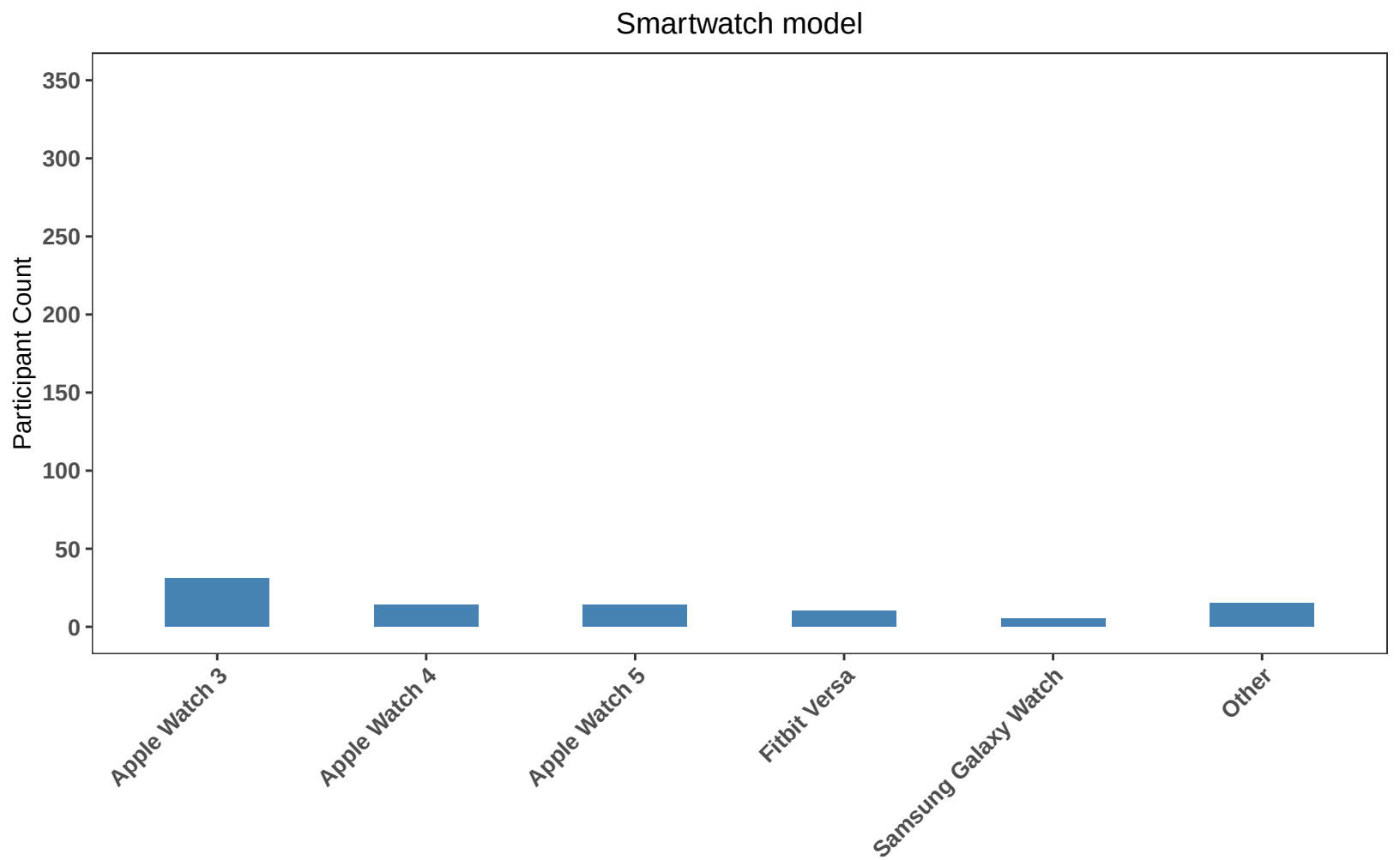

iPhone 8 9.9%
Google Pixel 3.2%
Other 33.9%
iPhone X Series 22.3%
iPhone 11 13.3%
Samsung Galaxy 17.4%

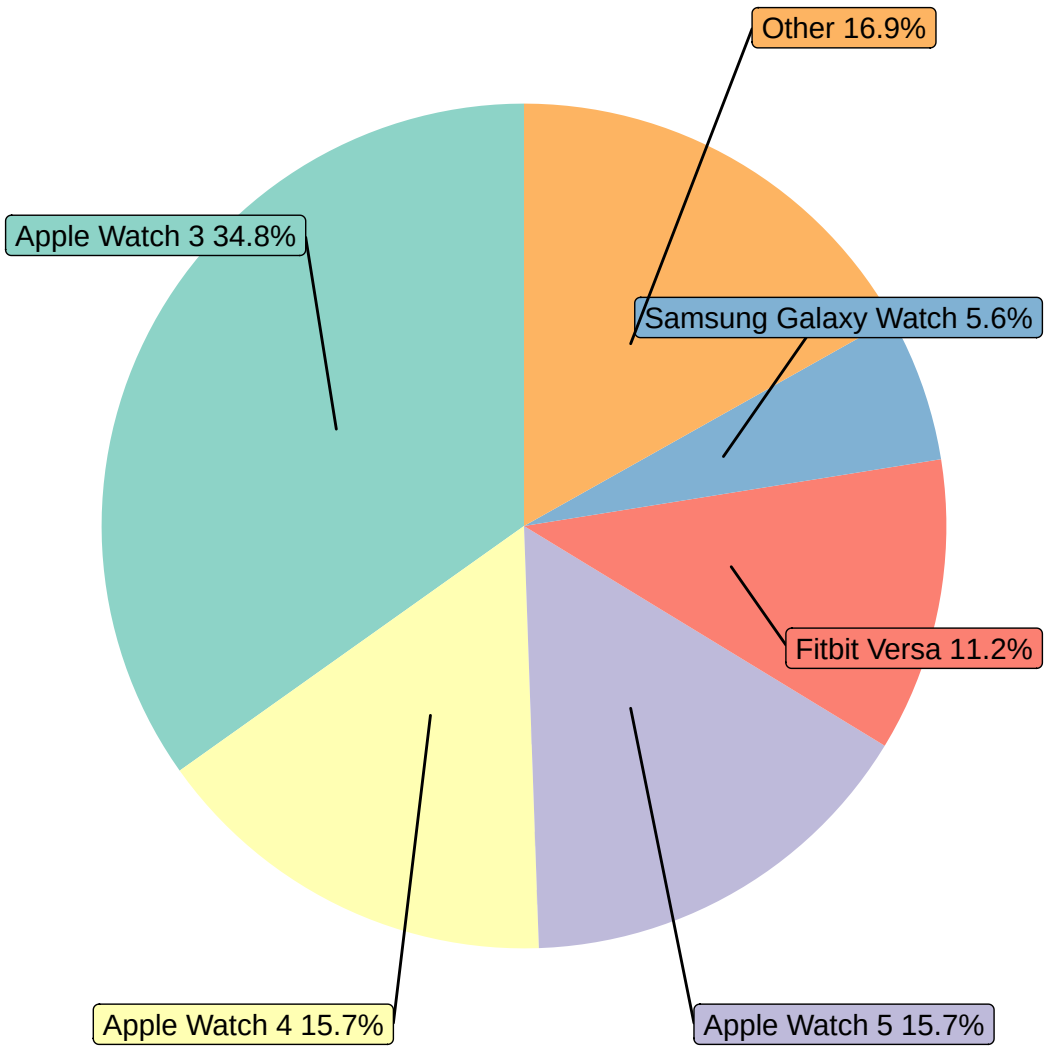

Do you have a Smartwatch
Participant Count
350
300
250
200
150
100
50
0
No
Yes

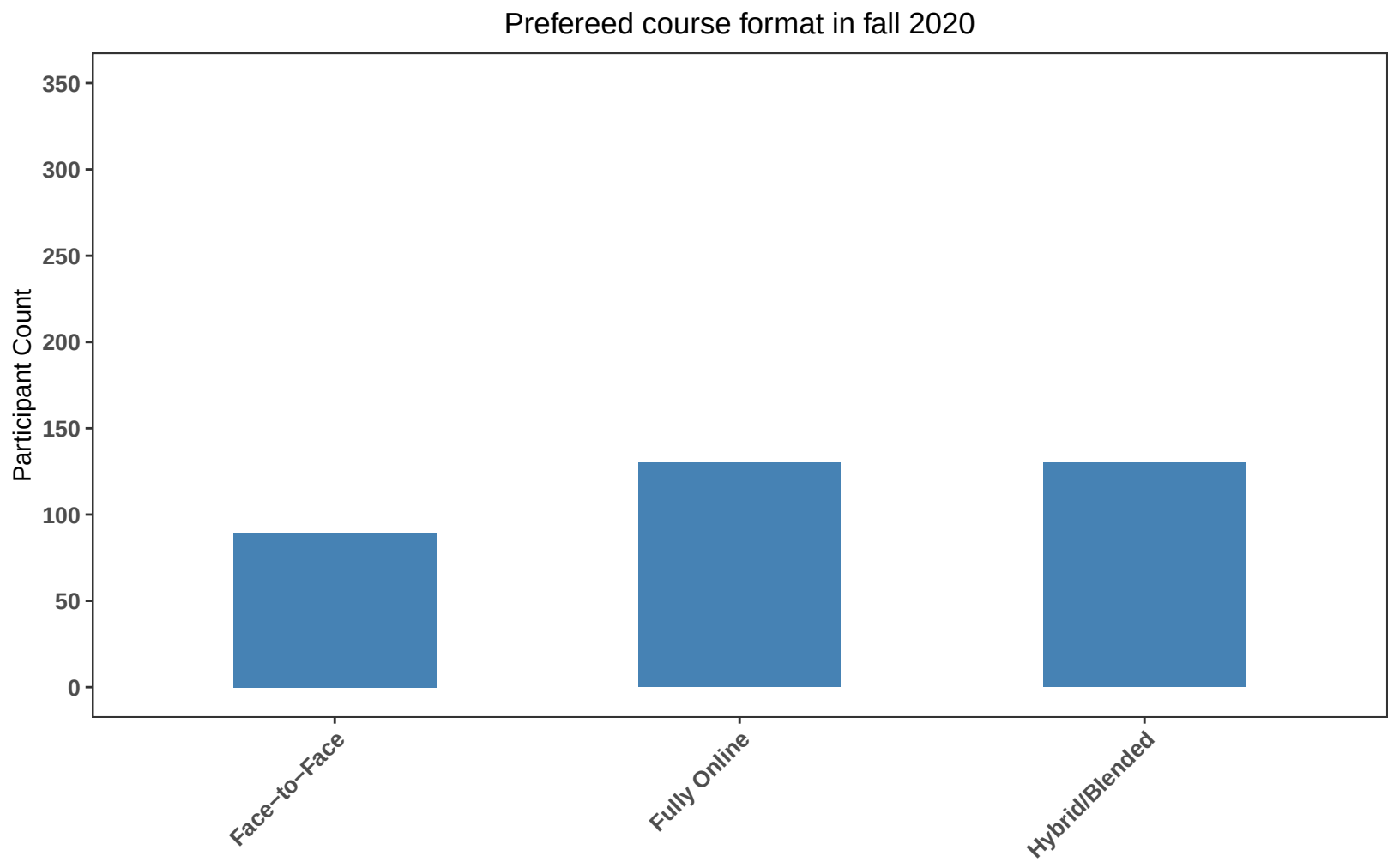

Yes 25.5%
No 74.5%

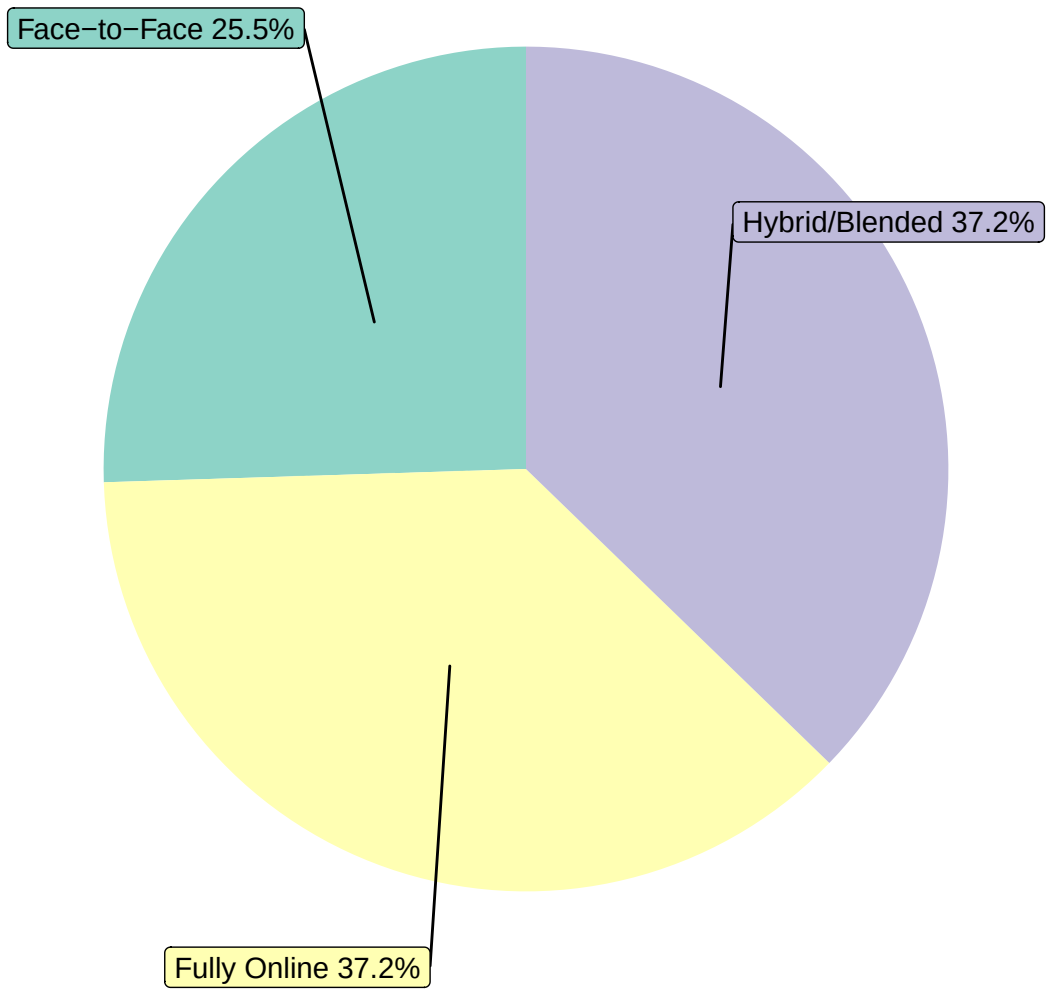

Smartwatch brand
Participant Count
350
300
250
200
150
100
50
0
Apple Watch
Fitbit
Samsung
Other

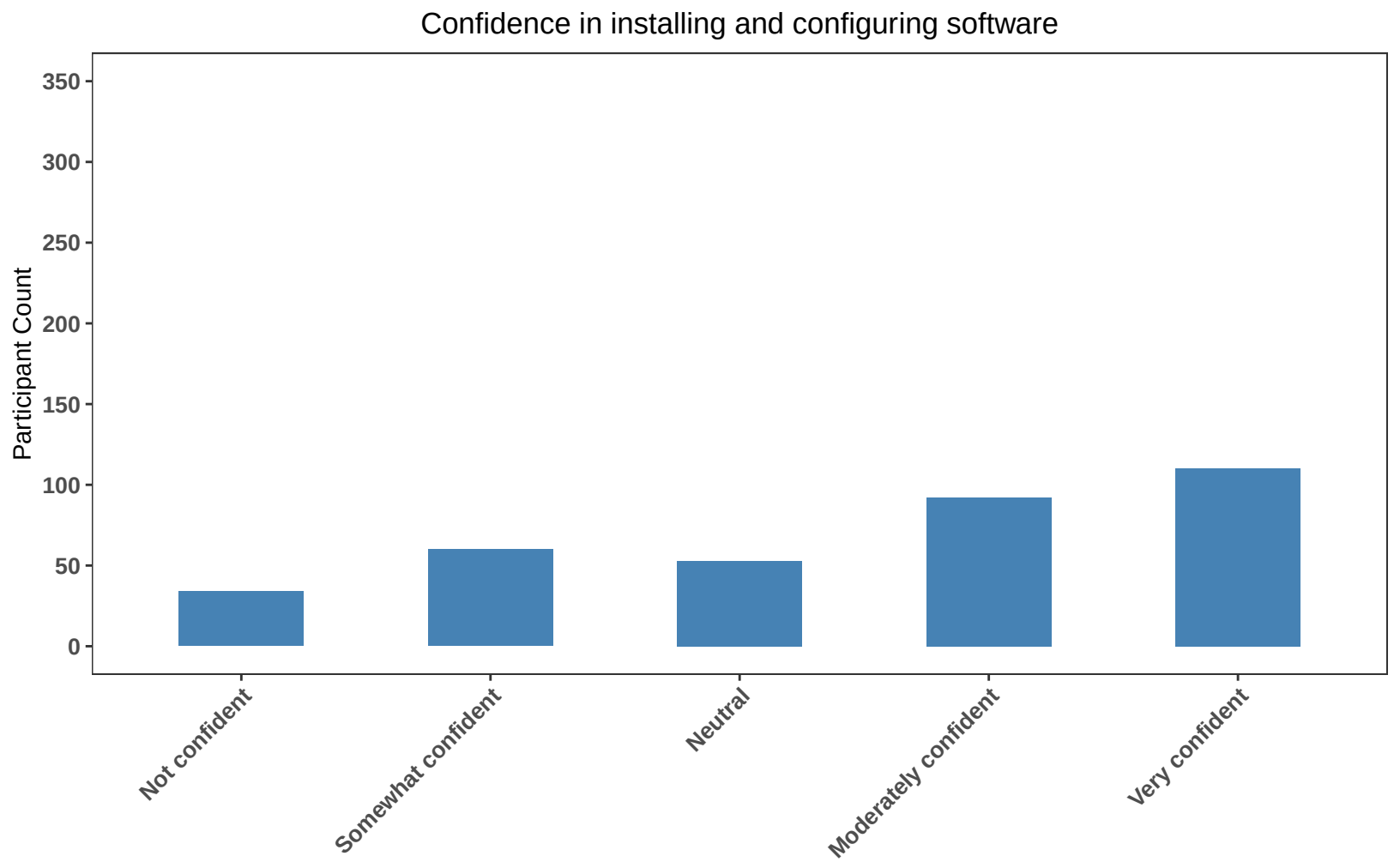

Other 5.6%
Samsung 5.6%
Fitbit 14.6%
Apple Watch 74.2%

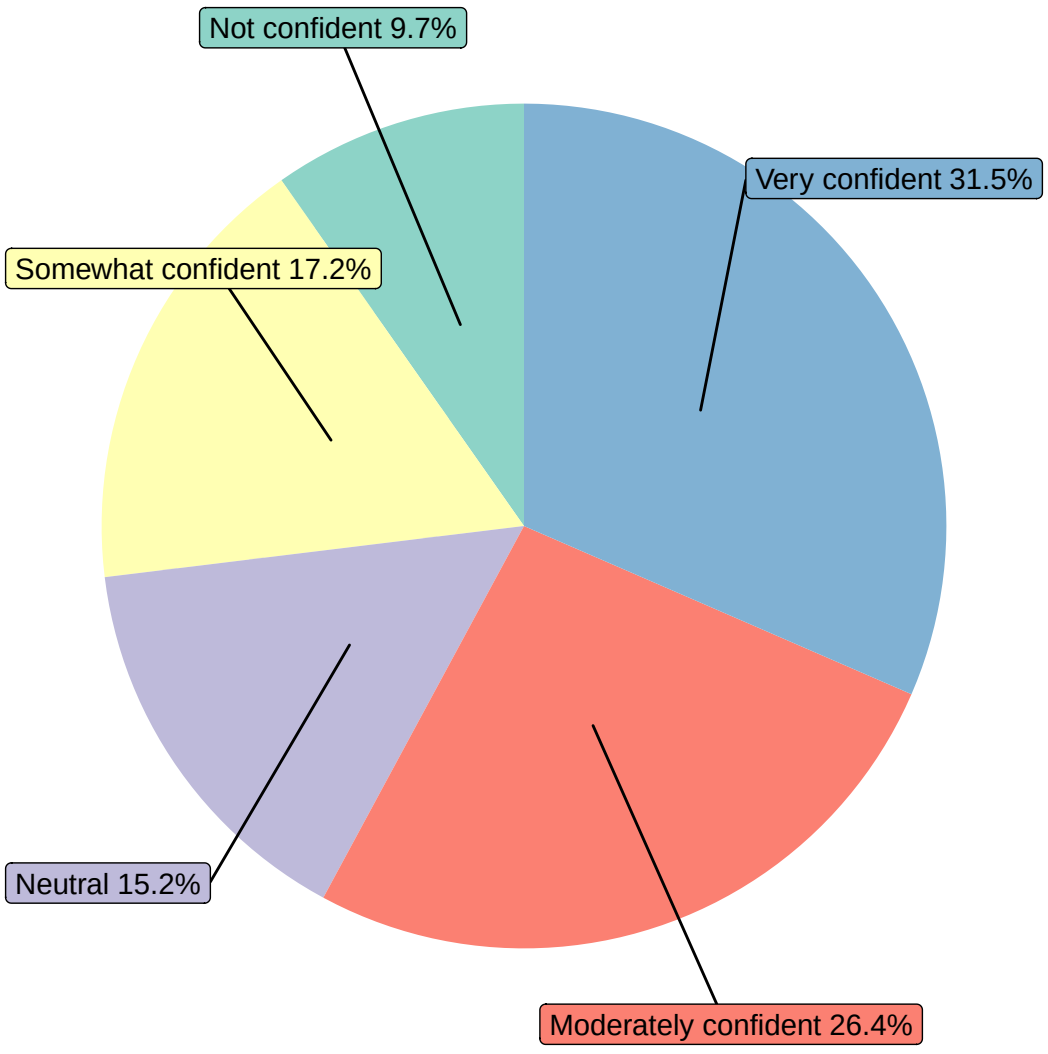

Smartwatch model
Participant Count
350
300
250
200
150
100
50
0
Apple Watch 3
Apple Watch 4
Apple Watch 5
Fitbit Versa
Samsung Galaxy Watch
Other

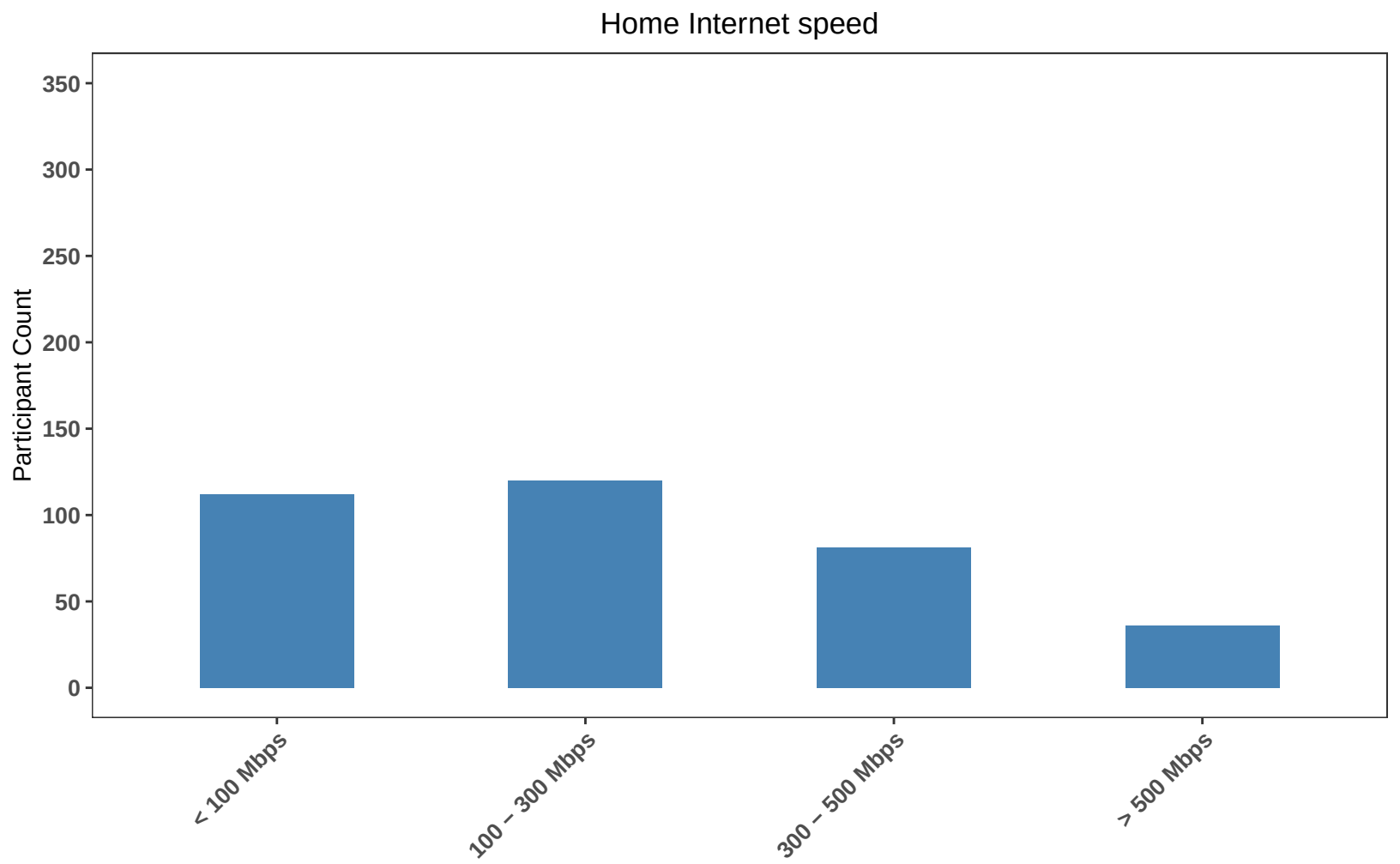

Other 16.9%
Apple Watch 3 34.8%
Samsung Galaxy Watch 5.6%
Fitbit Versa 11.2%
Apple Watch 4 15.7%
Apple Watch 5 15.7%

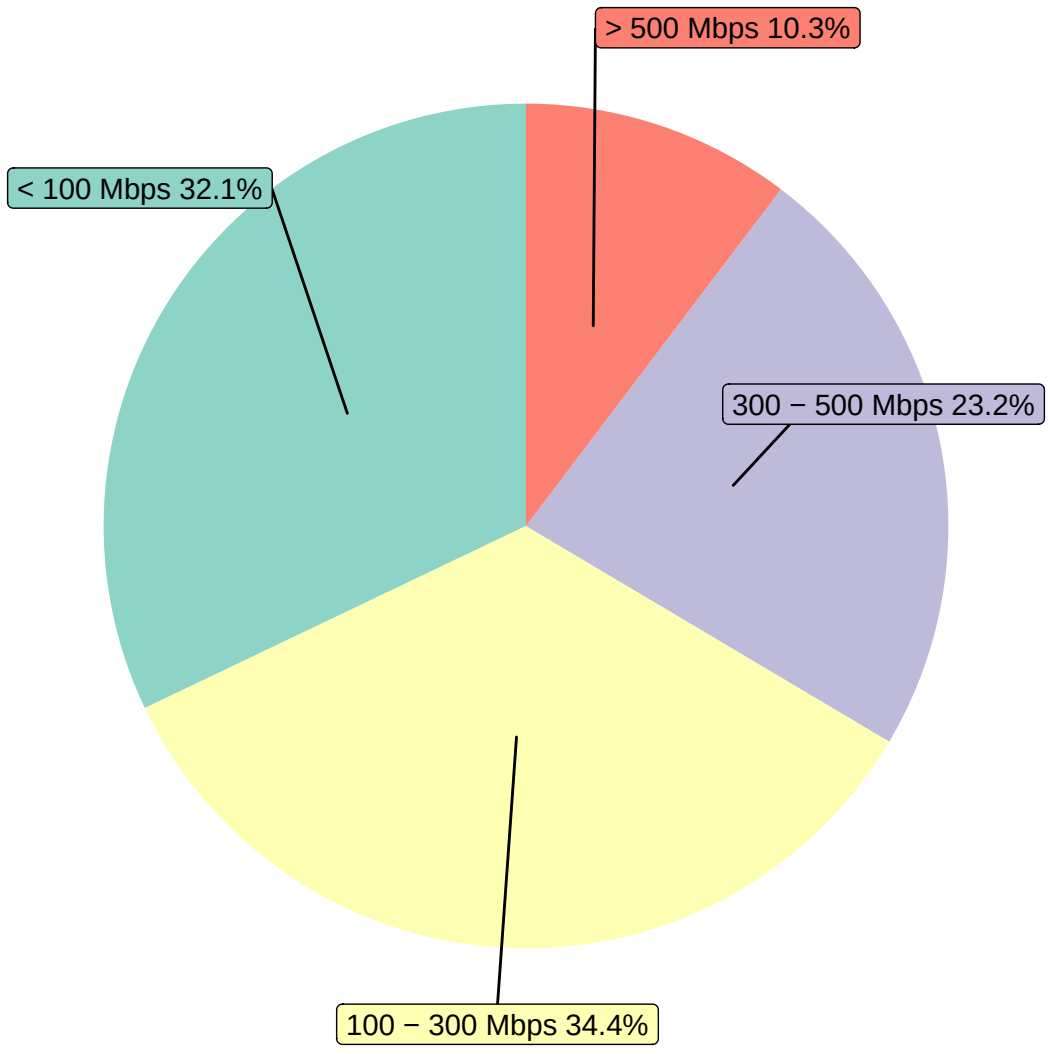

Prefereed course format in fall 2020
Participant Count
350
300
250
200
150
100
50
0
Face−to−Face
Fully Online
Hybrid/Blended

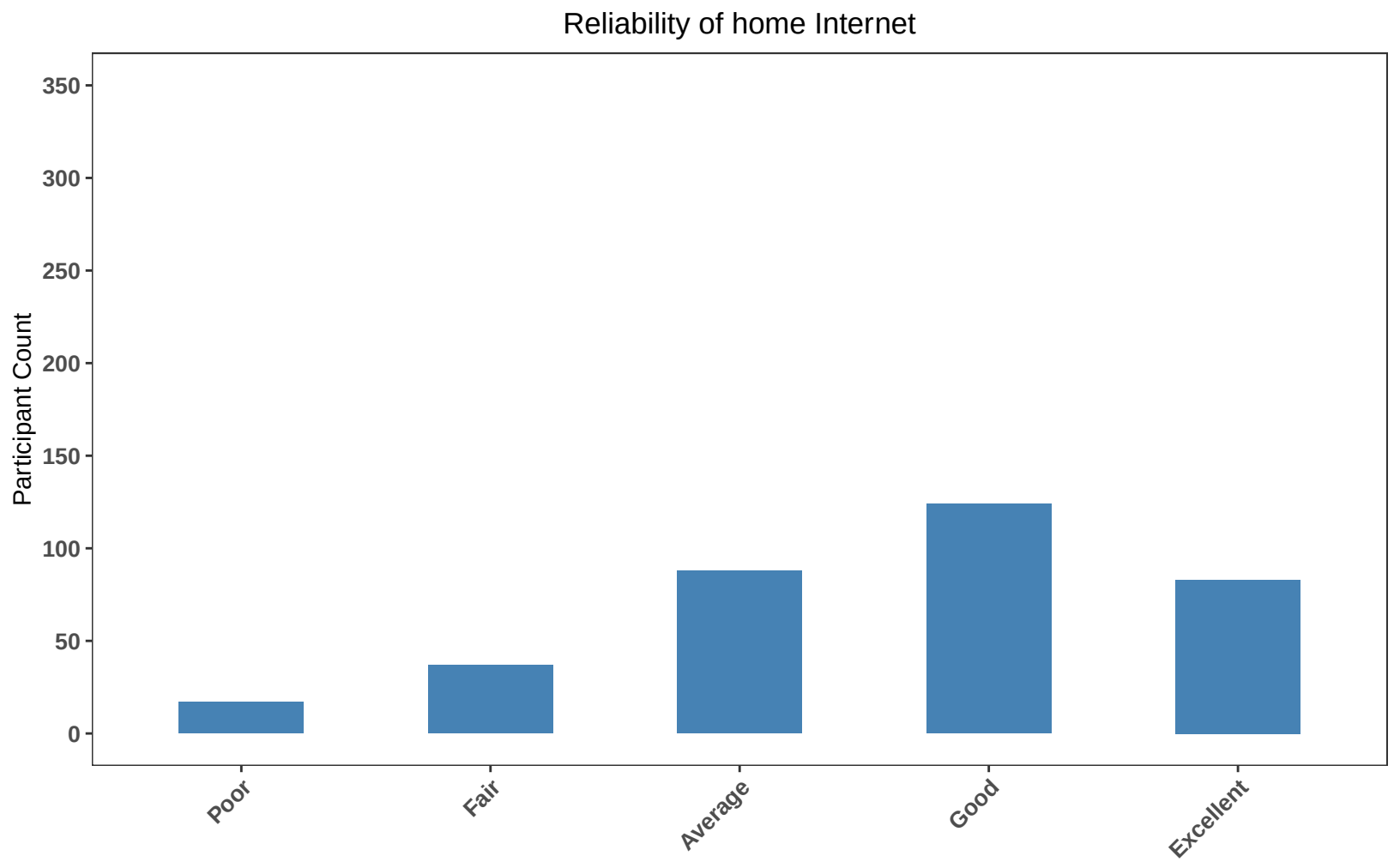

Face−to−Face 25.5%
Hybrid/Blended 37.2%
Fully Online 37.2%

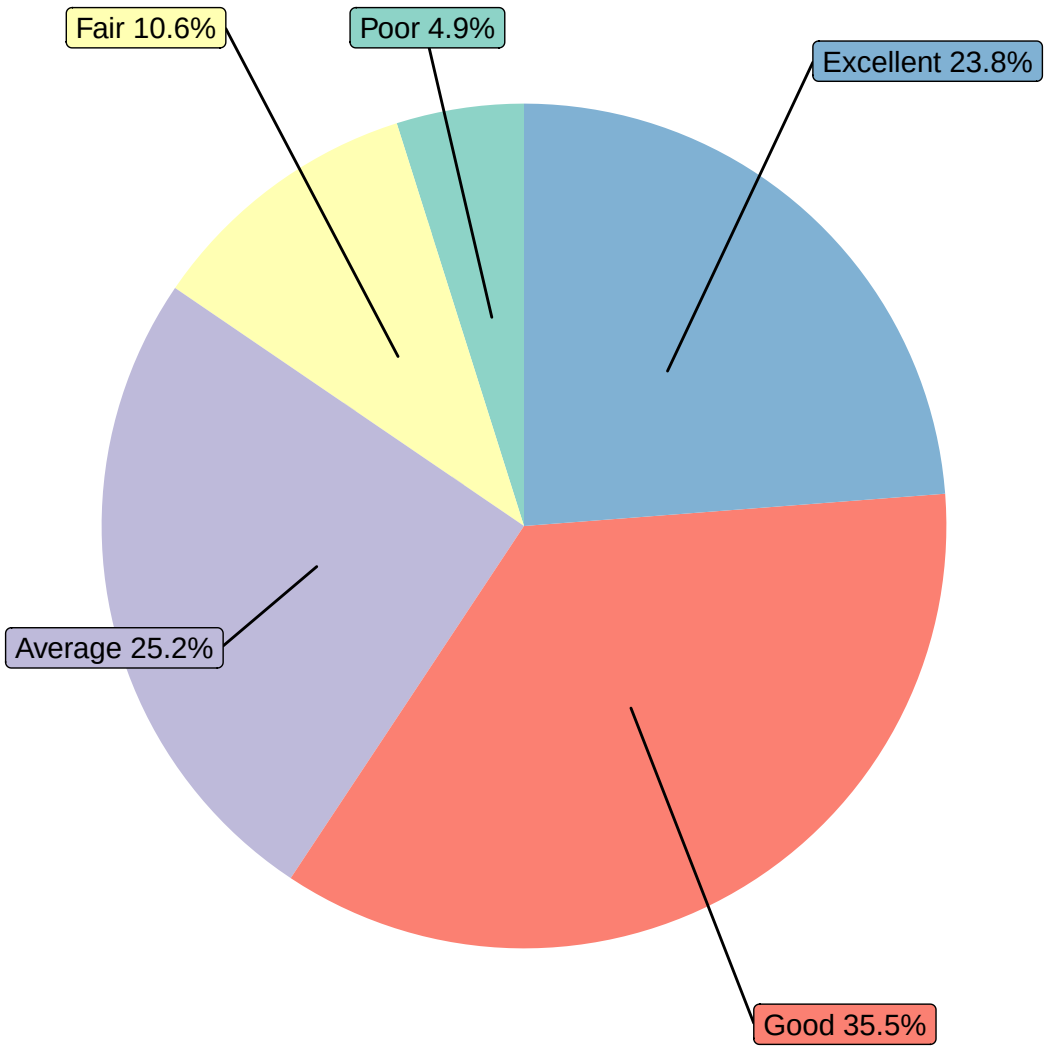

Confidence in installing and configuring software
Participant Count
350
300
250
200
150
100
50
0
Not confident
Somewhat confident
Neutral
Moderately confident
Very confident

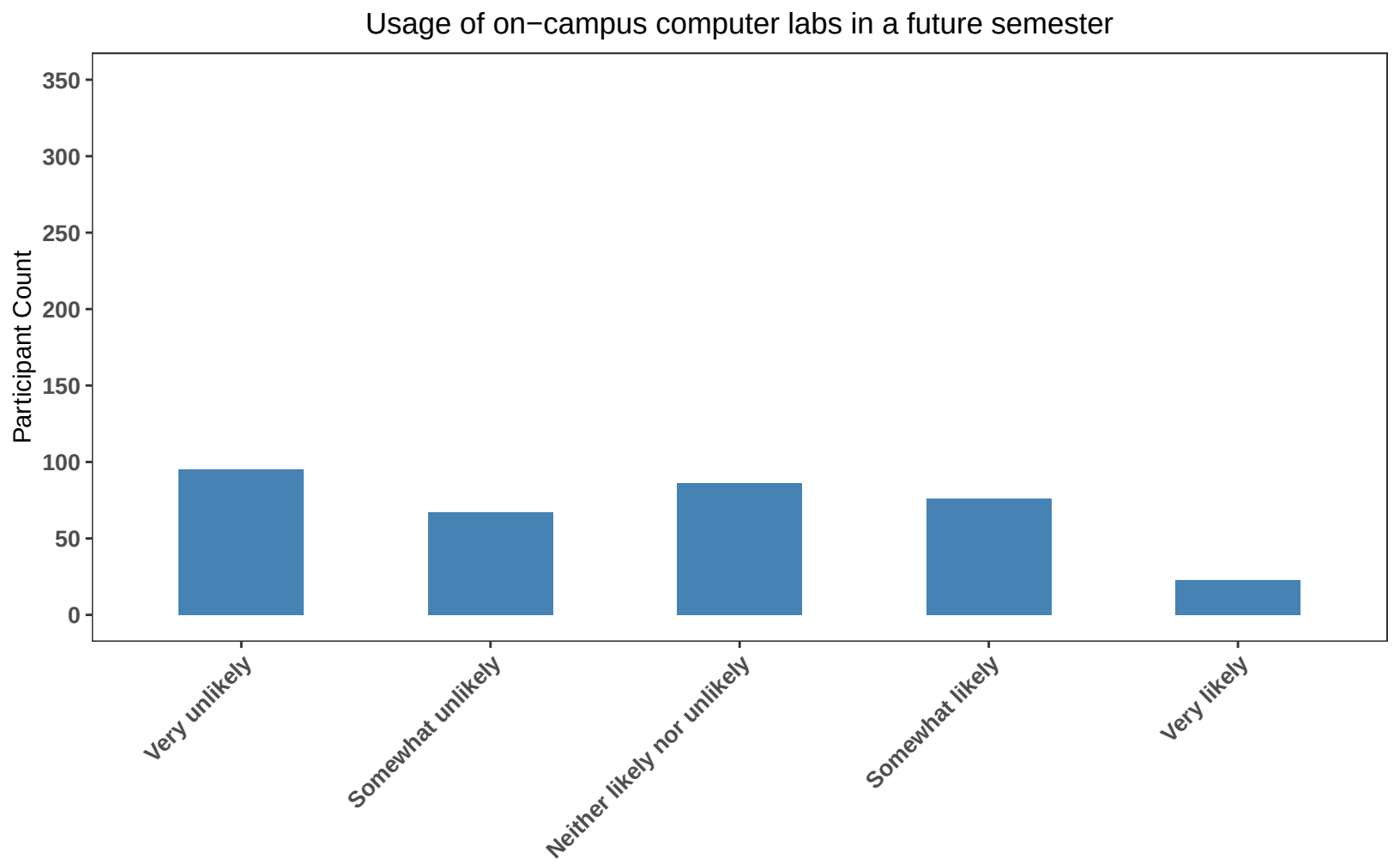

Not confident 9.7%
Very confident 31.5%
Somewhat confident 17.2%
Neutral 15.2%
Moderately confident 26.4%

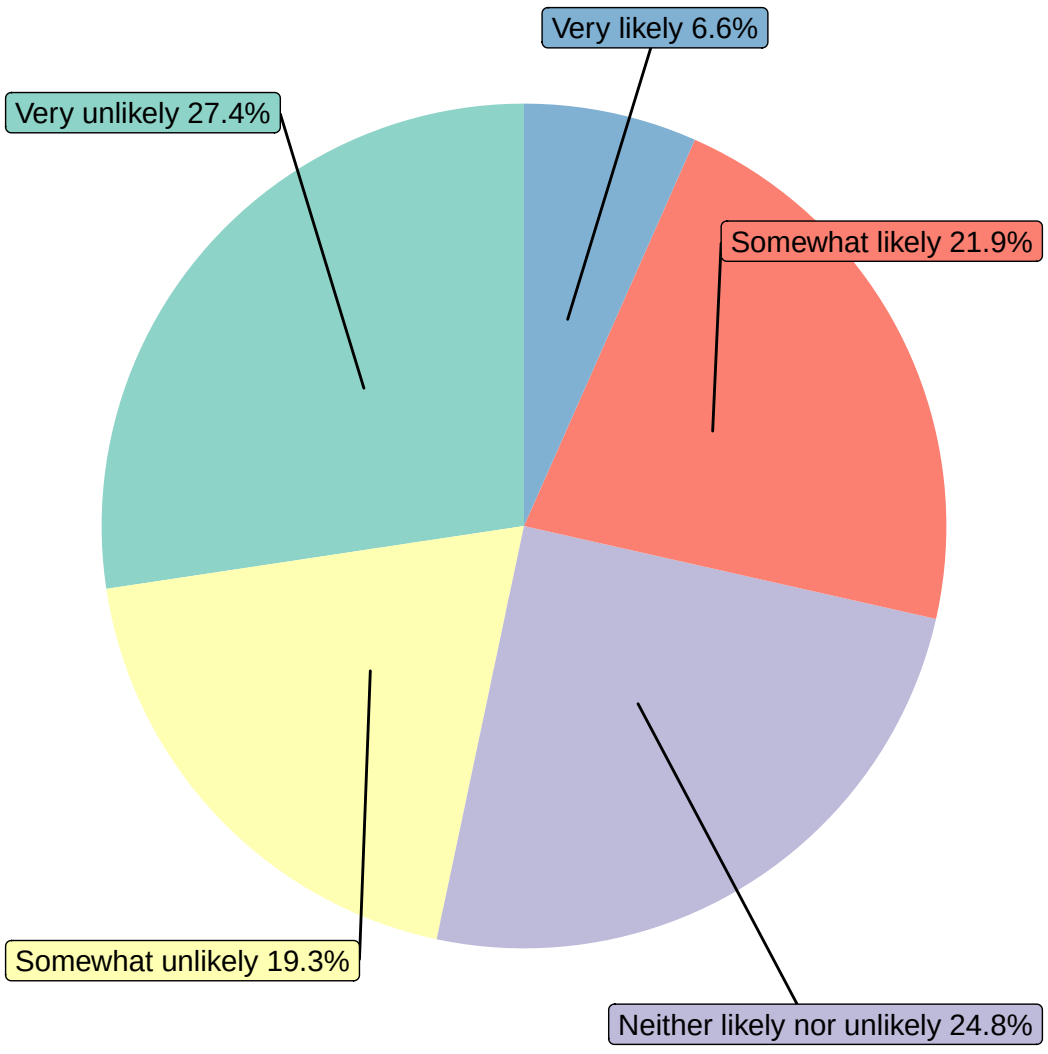

Home Internet speed
Participant Count
350
300
250
200
150
100
50
0
< 100 Mbps
100 – 300 Mbps
300 – 500 Mbps
> 500 Mbps

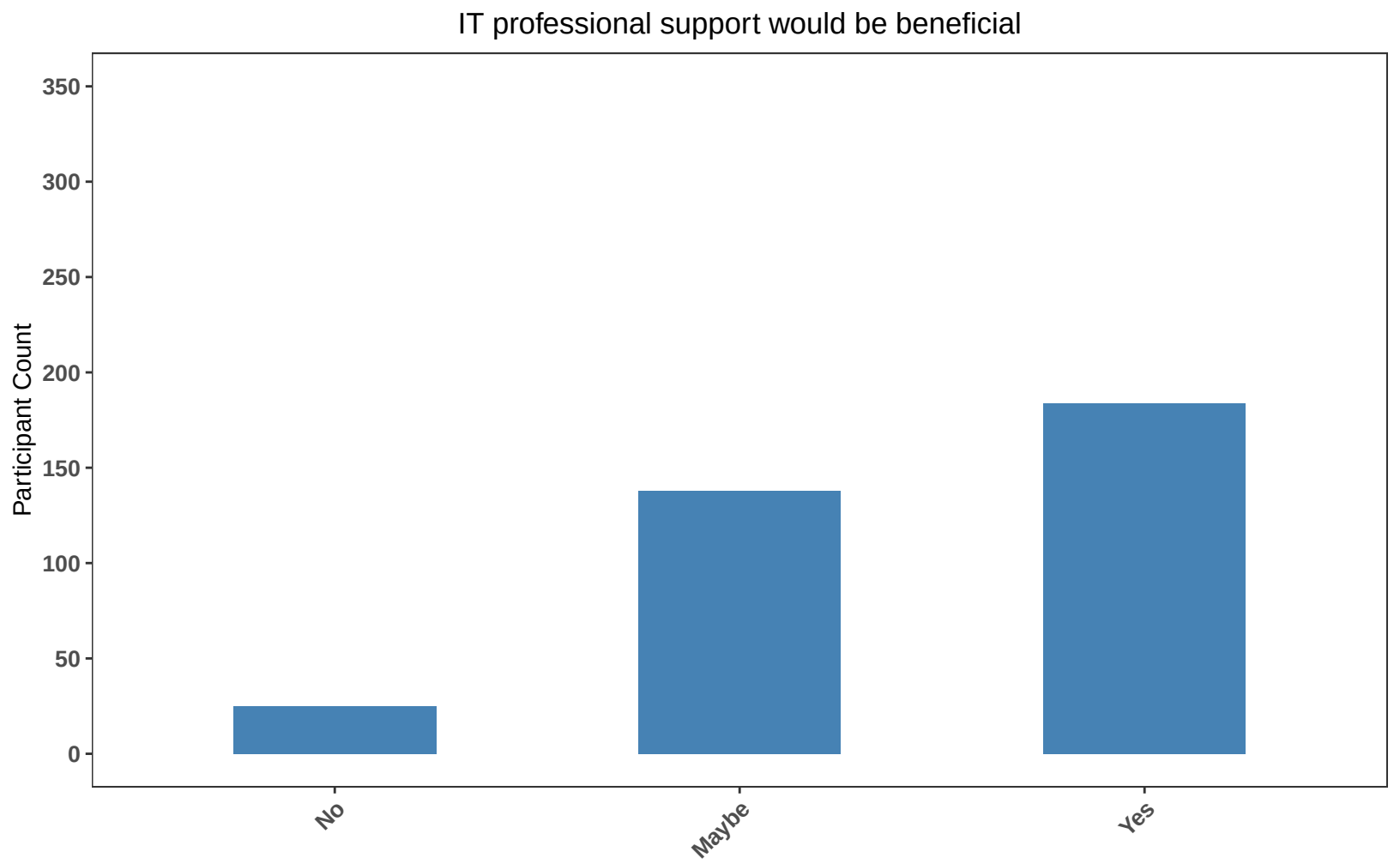

> 500 Mbps 10.3%
< 100 Mbps 32.1%
300 − 500 Mbps 23.2%
100 − 300 Mbps 34.4%

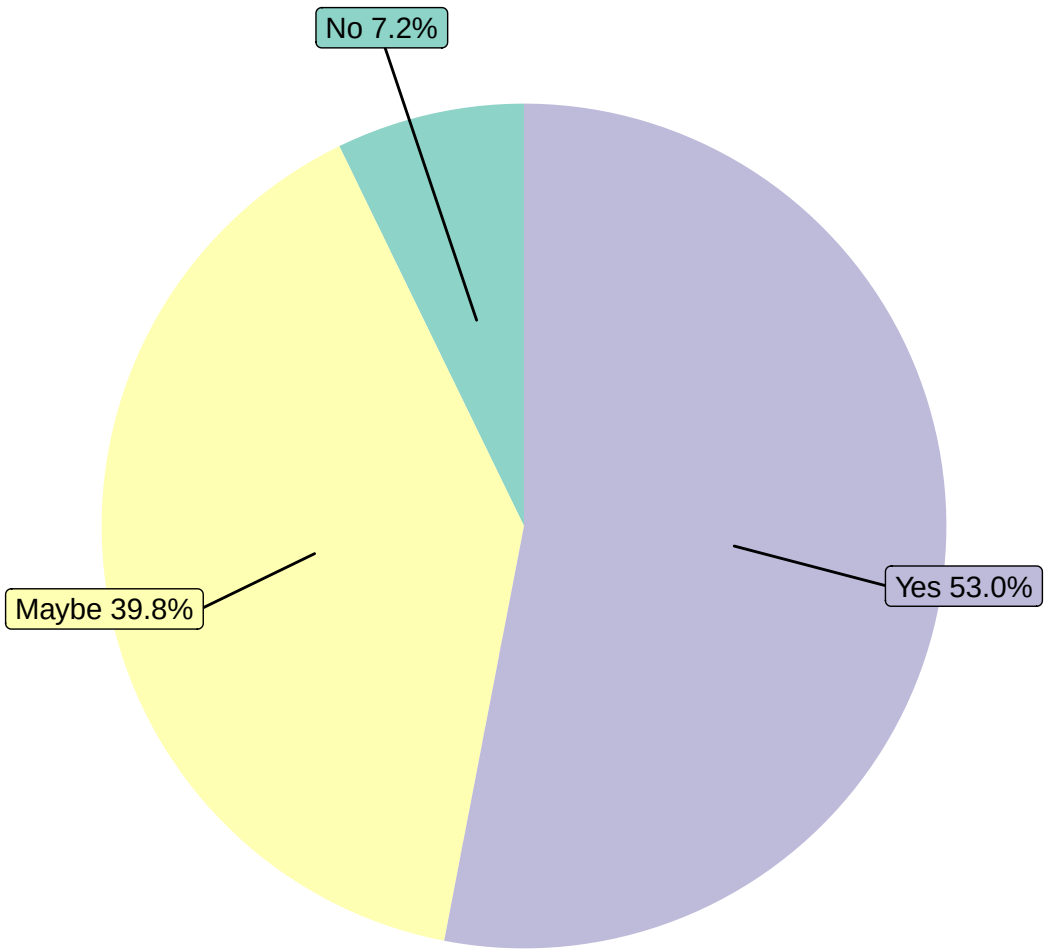

Reliability of home Internet
Participant Count
350
300
250
200
150
100
50
0
Poor
Fair
Average
Good
Excellent


Fair 10.6%
Poor 4.9%
Excellent 23.8%
Average 25.2%
Good 35.5%


Usage of on−campus computer labs in a future semester
Participant Count
350
300
250
200
150
100
50
0
Very unlikely
Somewhat unlikely
Neither likely nor unlikely
Somewhat likely
Very likely


Very likely 6.6%
Very unlikely 27.4%
Somewhat likely 21.9%
Somewhat unlikely 19.3%
Neither likely nor unlikely 24.8%


IT professional support would be beneficial
Participant Count
350
300
250
200
150
100
50
0
No
Maybe
Yes


No 7.2%
Maybe 39.8%
Yes 53.0%