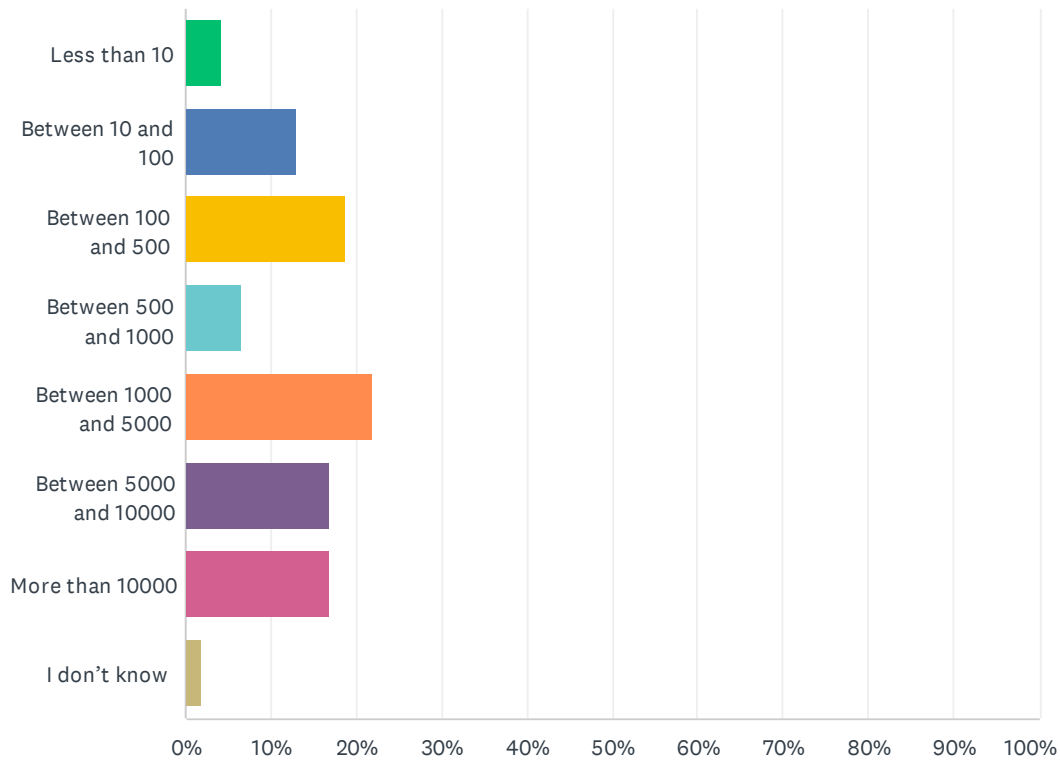


Q1 How many total employees does your company have?

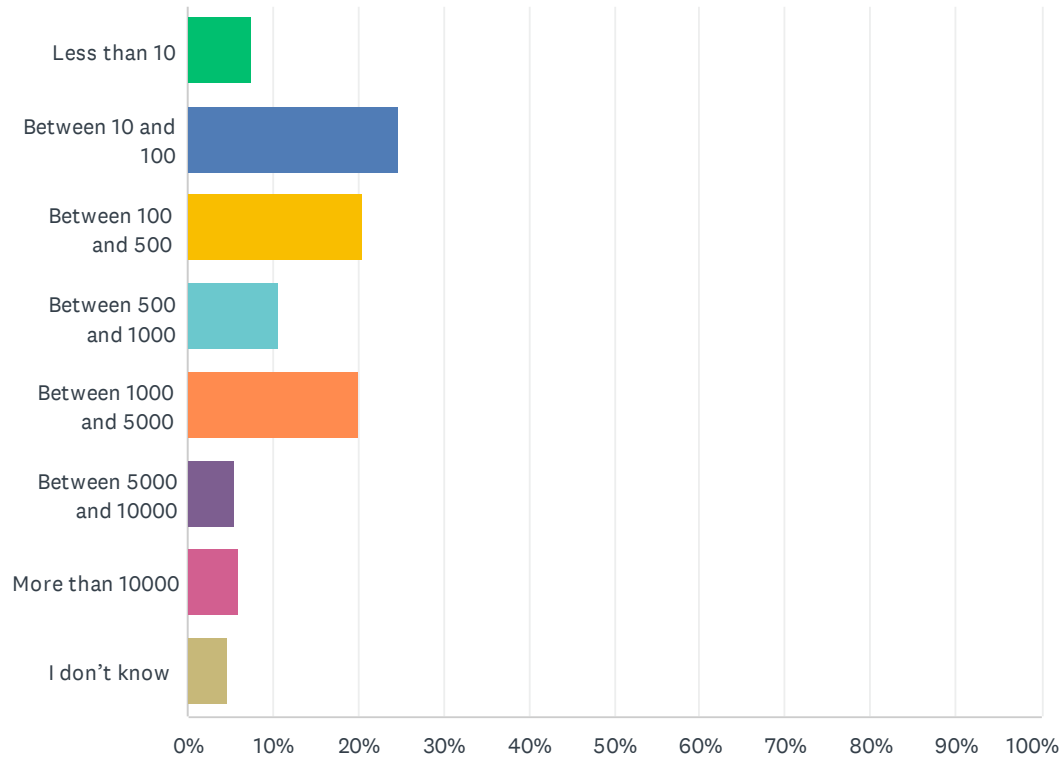
Answered: 214 Skipped: 1



ANSWER CHOICES	RESPONSES	
Less than 10	4.21%	9
Between 10 and 100	13.08%	28
Between 100 and 500	18.69%	40
Between 500 and 1000	6.54%	14
Between 1000 and 5000	21.96%	47
Between 5000 and 10000	16.82%	36
More than 10000	16.82%	36
I don't know	1.87%	4
TOTAL		214

Q2 How many engineers does your company have (total, including non-mobile engineers)?

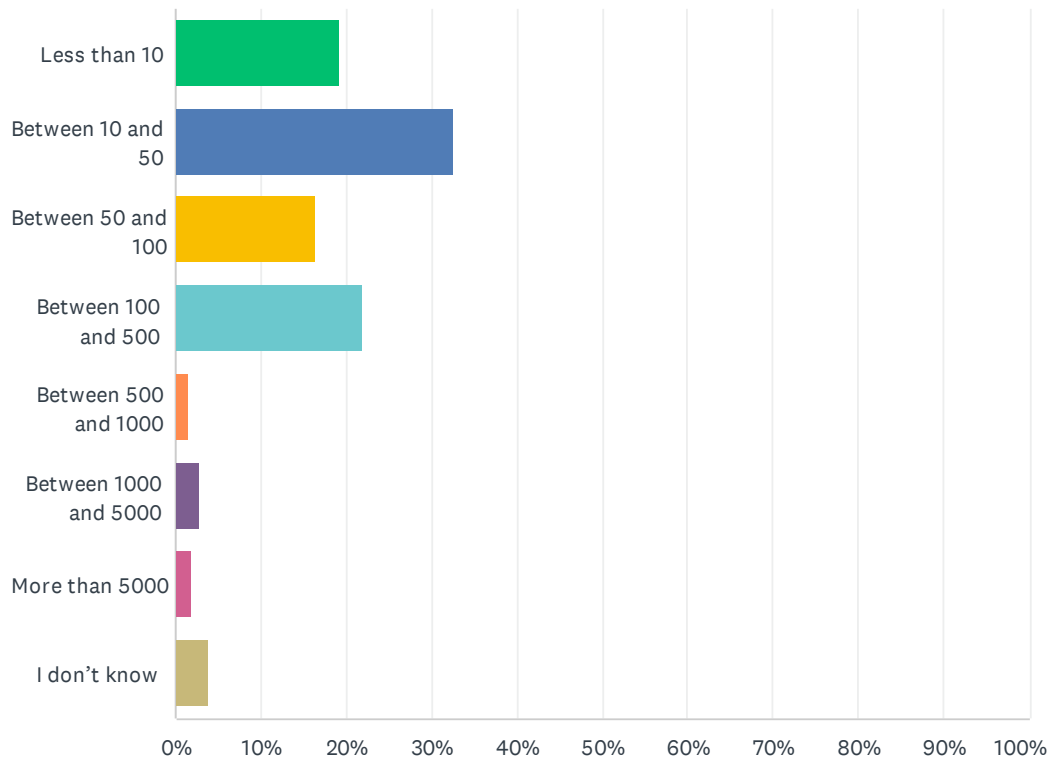
Answered: 214 Skipped: 1



ANSWER CHOICES	RESPONSES	
Less than 10	7.48%	16
Between 10 and 100	24.77%	53
Between 100 and 500	20.56%	44
Between 500 and 1000	10.75%	23
Between 1000 and 5000	20.09%	43
Between 5000 and 10000	5.61%	12
More than 10000	6.07%	13
I don't know	4.67%	10
TOTAL		214

Q3 How many mobile engineers does your company have?

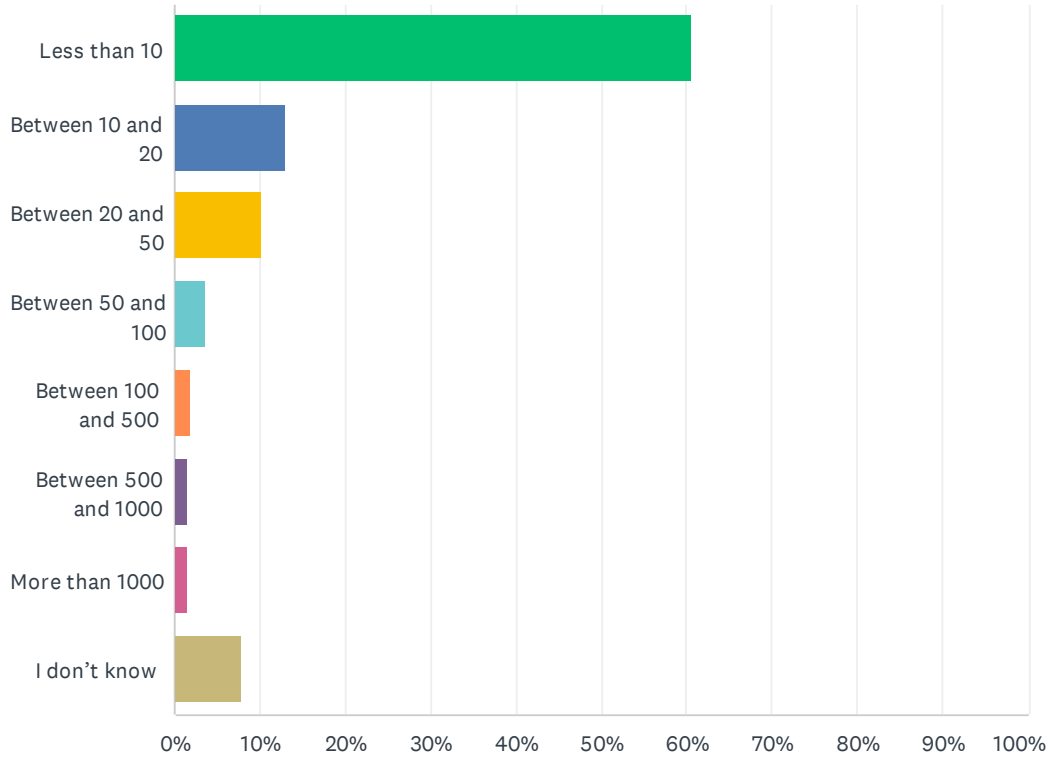
Answered: 214 Skipped: 1



ANSWER CHOICES	RESPONSES	
Less than 10	19.16%	41
Between 10 and 50	32.71%	70
Between 50 and 100	16.36%	35
Between 100 and 500	21.96%	47
Between 500 and 1000	1.40%	3
Between 1000 and 5000	2.80%	6
More than 5000	1.87%	4
I don't know	3.74%	8
TOTAL		214

Q4 How many platform/infrastructure mobile engineers does your company have?

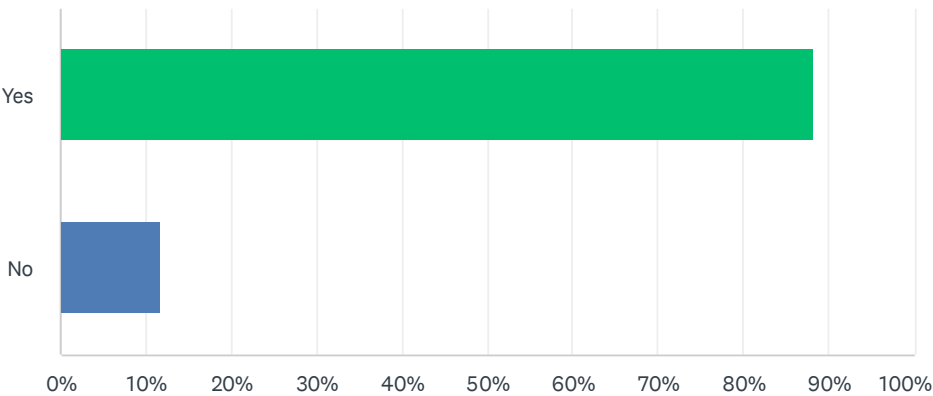
Answered: 215 Skipped: 0



ANSWER CHOICES	RESPONSES	
Less than 10	60.47%	130
Between 10 and 20	13.02%	28
Between 20 and 50	10.23%	22
Between 50 and 100	3.72%	8
Between 100 and 500	1.86%	4
Between 500 and 1000	1.40%	3
More than 1000	1.40%	3
I don't know	7.91%	17
TOTAL		215

Q5 Does your company provide office space to its employees?

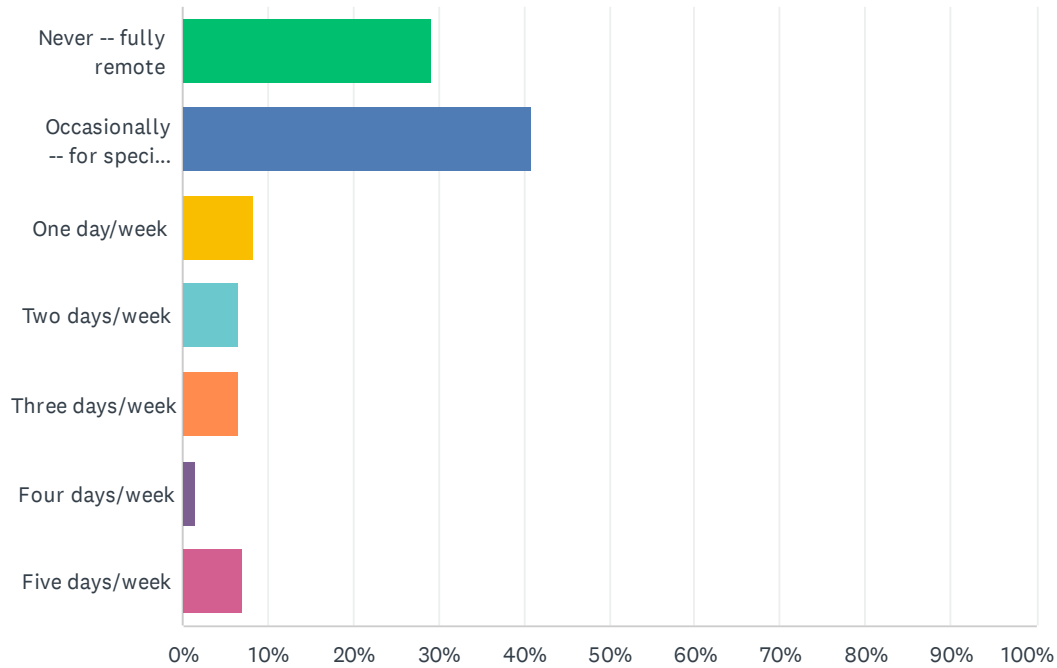
Answered: 214 Skipped: 1



ANSWER CHOICES		RESPONSES	
Yes		88.32%	189
No		11.68%	25
TOTAL			214

Q6 How often do you go into an office?

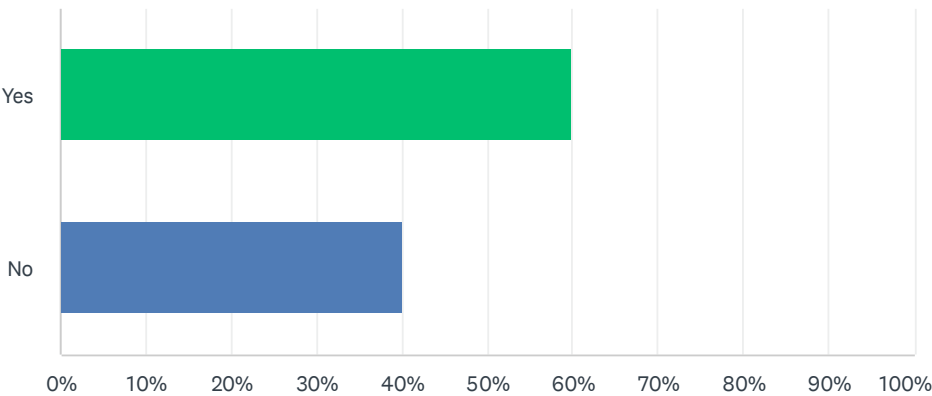
Answered: 215 Skipped: 0



ANSWER CHOICES	RESPONSES	
Never -- fully remote	29.30%	63
Occasionally -- for specific meetings, team activities. May include travel	40.93%	88
One day/week	8.37%	18
Two days/week	6.51%	14
Three days/week	6.51%	14
Four days/week	1.40%	3
Five days/week	6.98%	15
TOTAL		215

Q7 Does your company adjust pay based on location?

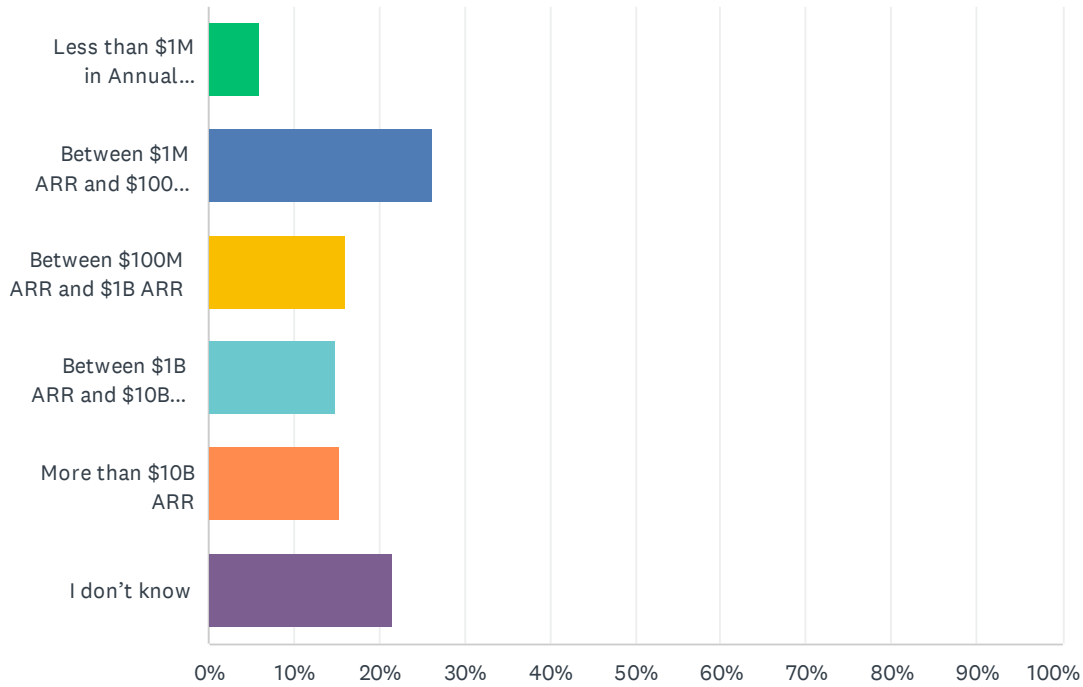
Answered: 214 Skipped: 1



ANSWER CHOICES		RESPONSES	
Yes		59.81%	128
No		40.19%	86
TOTAL			214

Q8 How big is your company, from a revenue perspective?

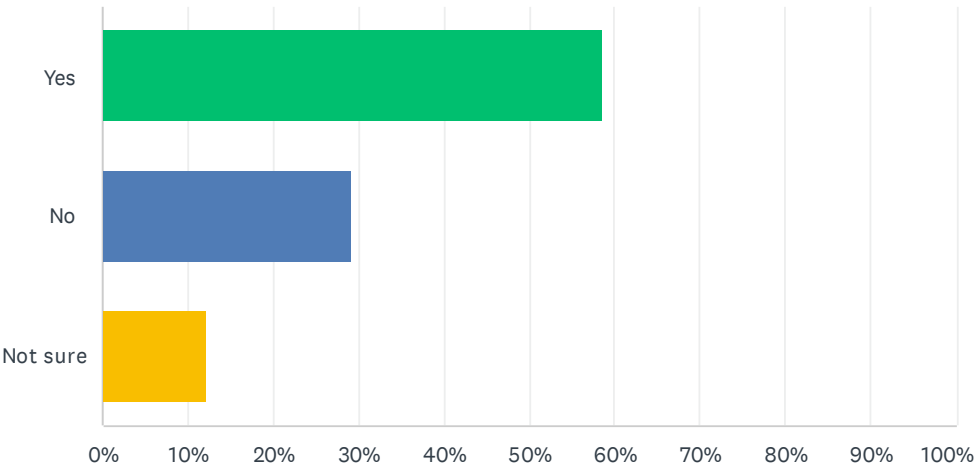
Answered: 214 Skipped: 1



ANSWER CHOICES	RESPONSES	
Less than \$1M in Annual Recurring Revenue (ARR)	6.07%	13
Between \$1M ARR and \$100M ARR	26.17%	56
Between \$100M ARR and \$1B ARR	15.89%	34
Between \$1B ARR and \$10B ARR	14.95%	32
More than \$10B ARR	15.42%	33
I don't know	21.50%	46
TOTAL		214

Q9 Do you consider your company to be engineering driven?

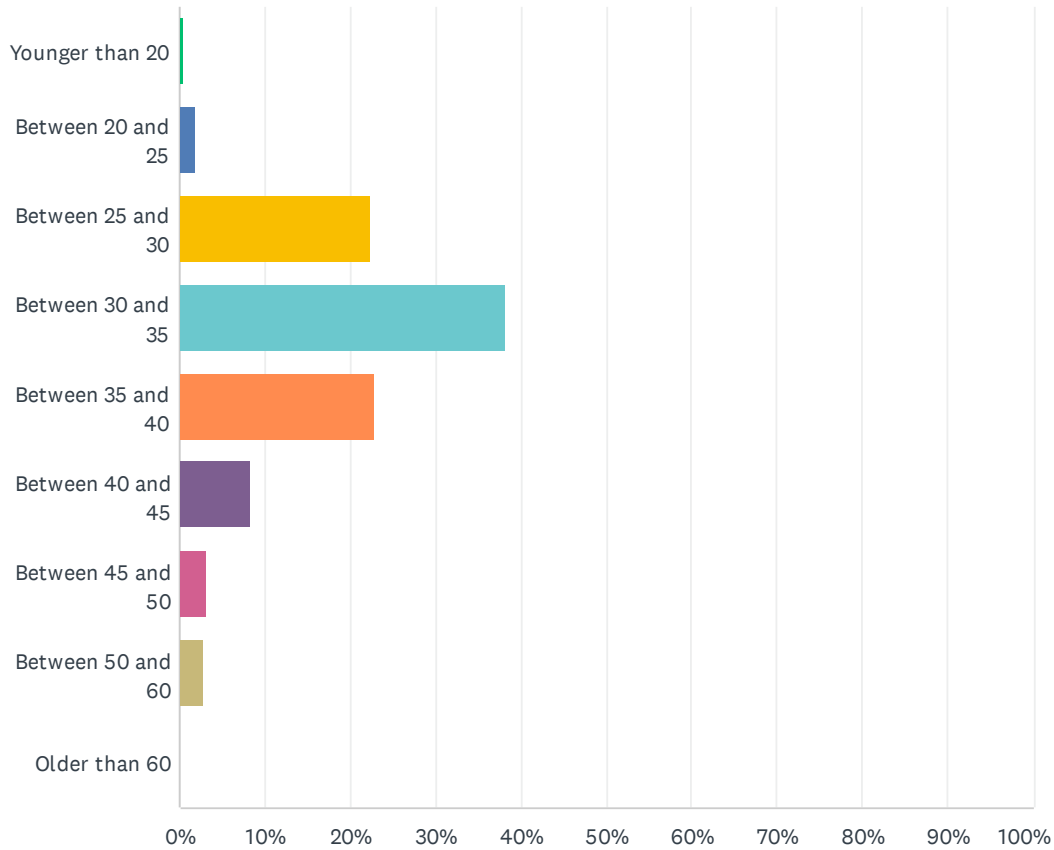
Answered: 215 Skipped: 0



ANSWER CHOICES	RESPONSES	
Yes	58.60%	126
No	29.30%	63
Not sure	12.09%	26
TOTAL		215

Q10 How old are you?

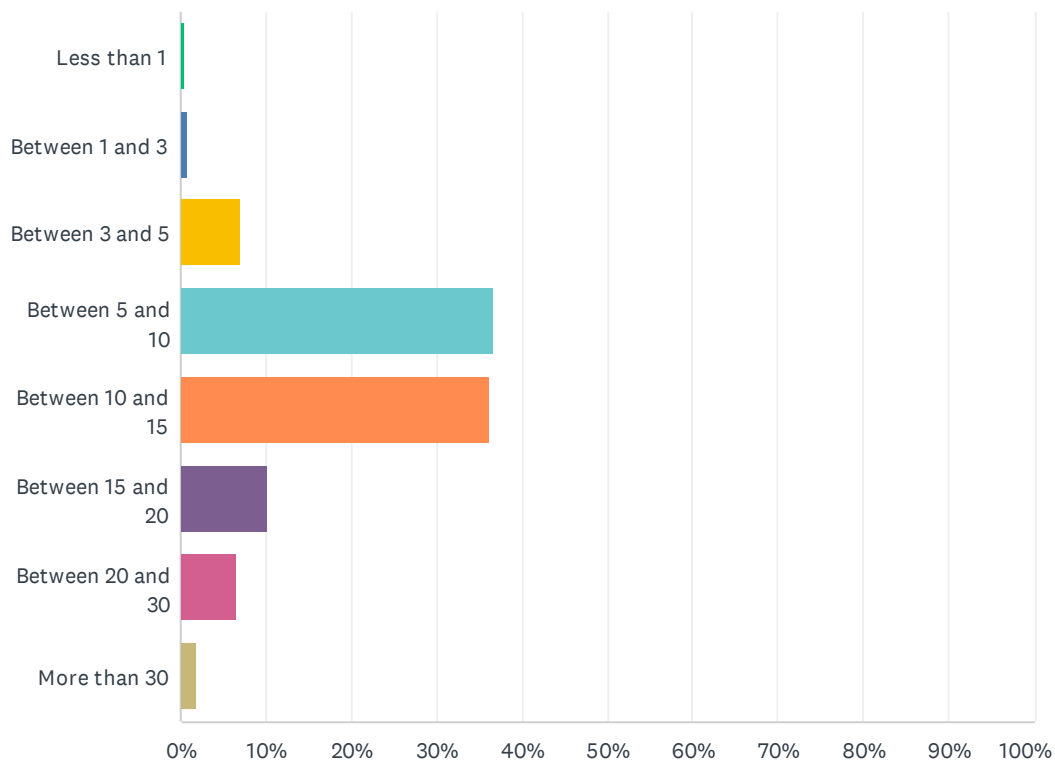
Answered: 215 Skipped: 0



ANSWER CHOICES	RESPONSES	
Younger than 20	0.47%	1
Between 20 and 25	1.86%	4
Between 25 and 30	22.33%	48
Between 30 and 35	38.14%	82
Between 35 and 40	22.79%	49
Between 40 and 45	8.37%	18
Between 45 and 50	3.26%	7
Between 50 and 60	2.79%	6
Older than 60	0.00%	0
TOTAL		215

Q11 How many years have you been a software engineer?

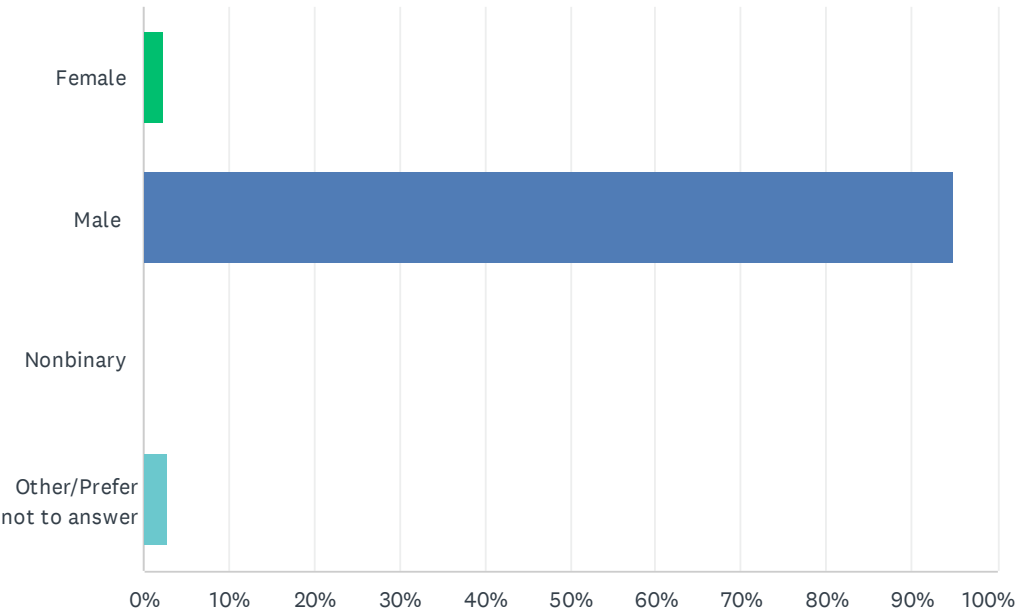
Answered: 215 Skipped: 0



ANSWER CHOICES	RESPONSES	
Less than 1	0.47%	1
Between 1 and 3	0.93%	2
Between 3 and 5	6.98%	15
Between 5 and 10	36.74%	79
Between 10 and 15	36.28%	78
Between 15 and 20	10.23%	22
Between 20 and 30	6.51%	14
More than 30	1.86%	4
TOTAL		215

Q12 What is your gender?

Answered: 215 Skipped: 0



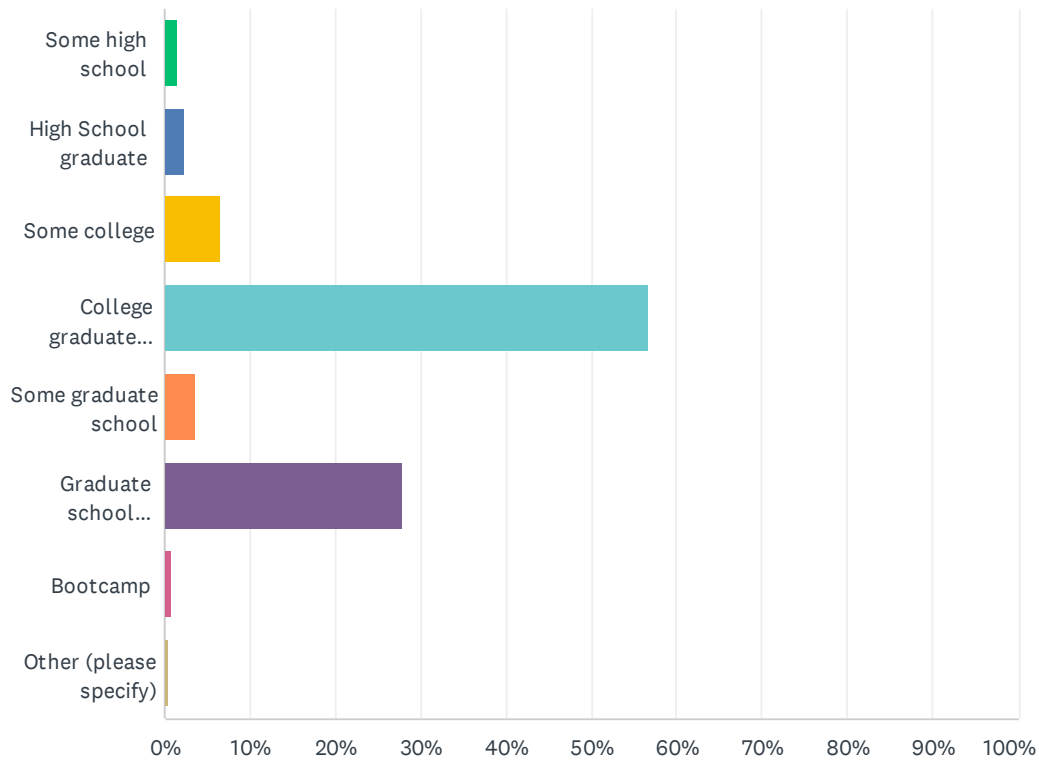
ANSWER CHOICES	RESPONSES	
Female	2.33%	5
Male	94.88%	204
Nonbinary	0.00%	0
Other/Prefer not to answer	2.79%	6
TOTAL		215

Q13 Where are you located? (IE Mountain View, California, USA)

Answered: 193 Skipped: 22

Q14 What is your highest level of education?

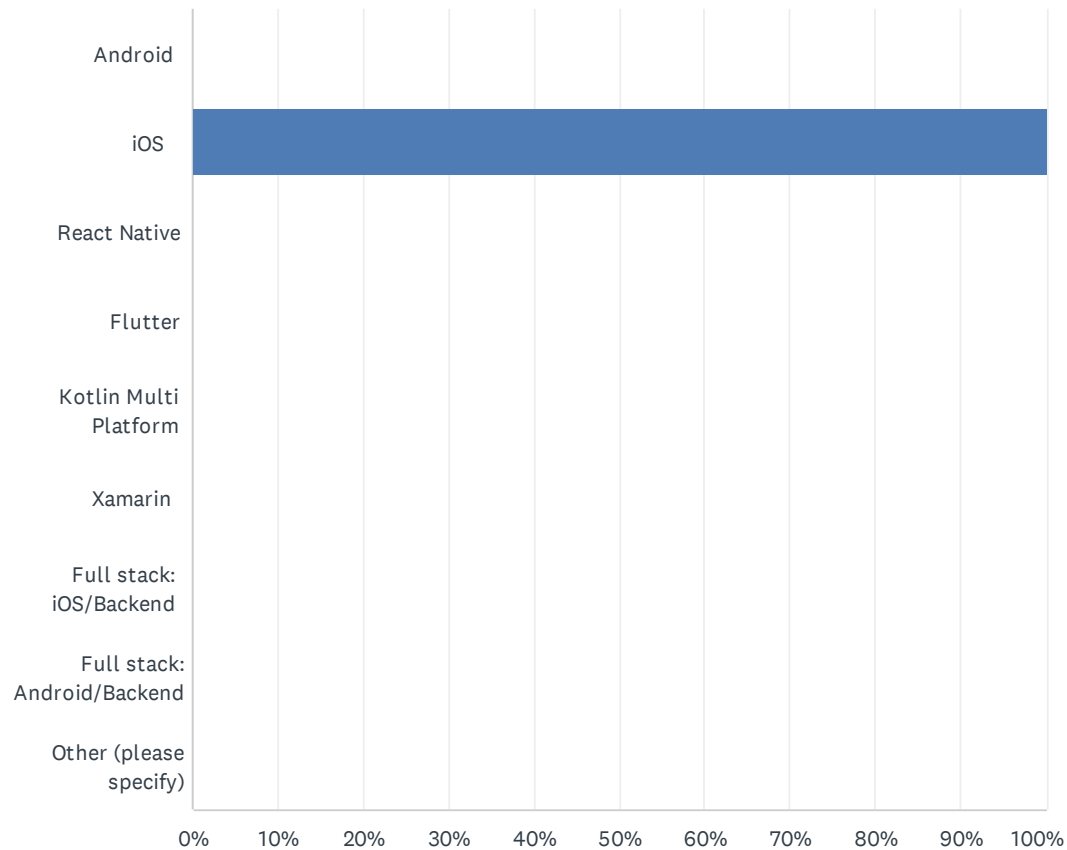
Answered: 215 Skipped: 0



ANSWER CHOICES	RESPONSES	
Some high school	1.40%	3
High School graduate	2.33%	5
Some college	6.51%	14
College graduate (Bachelor's or equivalent)	56.74%	122
Some graduate school	3.72%	8
Graduate school (Master's, PHD, or equivalent)	27.91%	60
Bootcamp	0.93%	2
Other (please specify)	0.47%	1
TOTAL		215

Q15 What platform do you primarily work on?

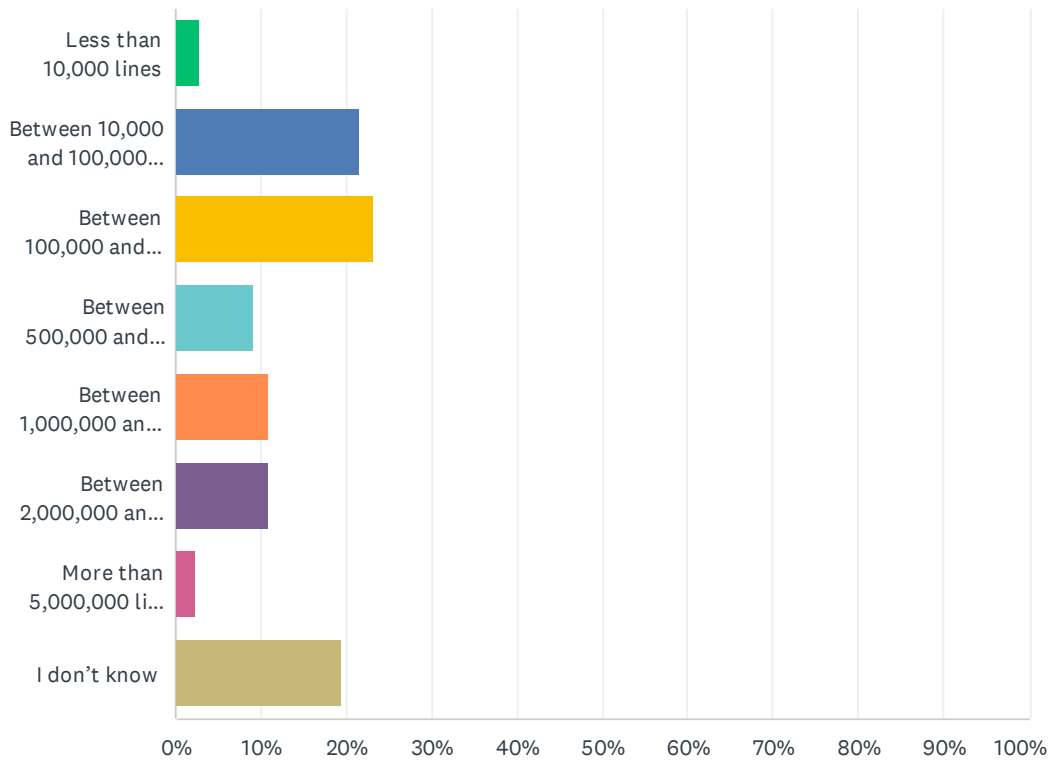
Answered: 215 Skipped: 0



ANSWER CHOICES	RESPONSES	
Android	0.00%	0
iOS	100.00%	215
React Native	0.00%	0
Flutter	0.00%	0
Kotlin Multi Platform	0.00%	0
Xamarin	0.00%	0
Full stack: iOS/Backend	0.00%	0
Full stack: Android/Backend	0.00%	0
Other (please specify)	0.00%	0
TOTAL		215

Q16 How many lines of code is the codebase you primarily work in?

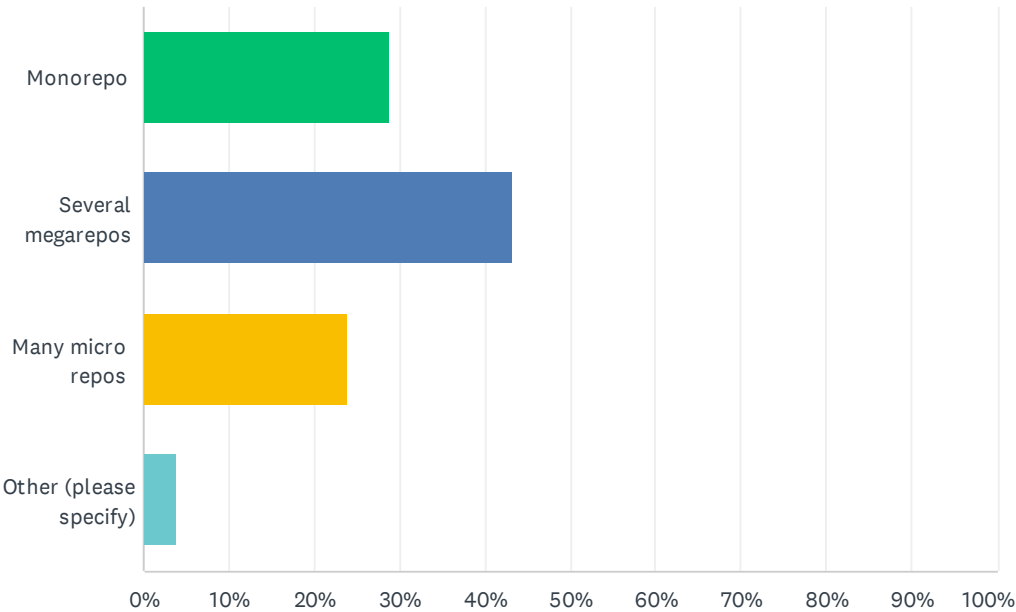
Answered: 176 Skipped: 39



ANSWER CHOICES	RESPONSES	
Less than 10,000 lines	2.84%	5
Between 10,000 and 100,000 lines	21.59%	38
Between 100,000 and 500,000 lines	23.30%	41
Between 500,000 and 1,000,000 lines	9.09%	16
Between 1,000,000 and 2,000,000 lines	10.80%	19
Between 2,000,000 and 5,000,000 lines	10.80%	19
More than 5,000,000 lines of code	2.27%	4
I don't know	19.32%	34
TOTAL		176

Q17 How does your company organize code?

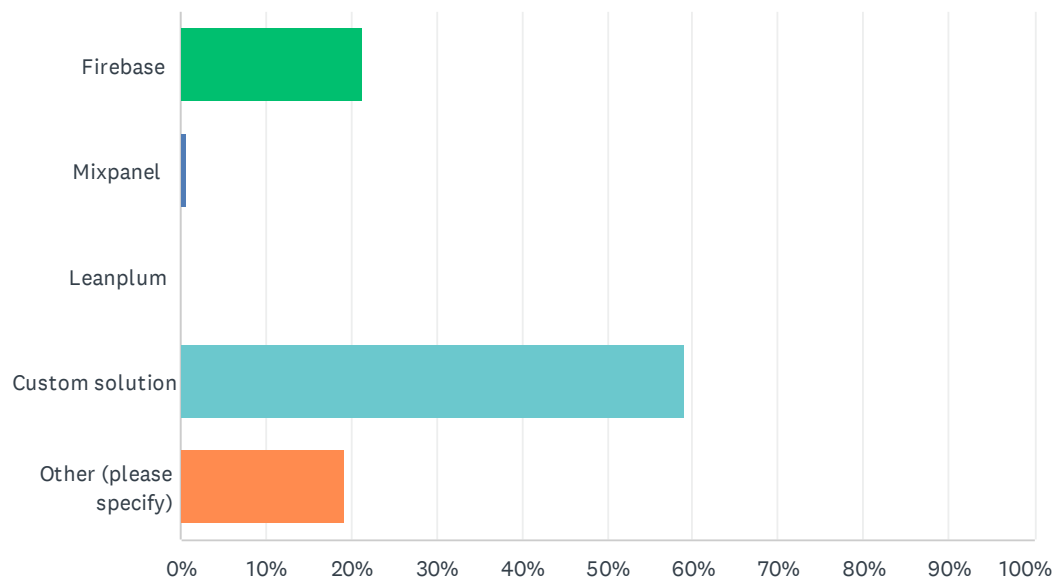
Answered: 180 Skipped: 35



ANSWER CHOICES	RESPONSES	
Monorepo	28.89%	52
Several megarepos	43.33%	78
Many micro repos	23.89%	43
Other (please specify)	3.89%	7
TOTAL		180

Q18 How do you handle A/B testing and/or feature flags?

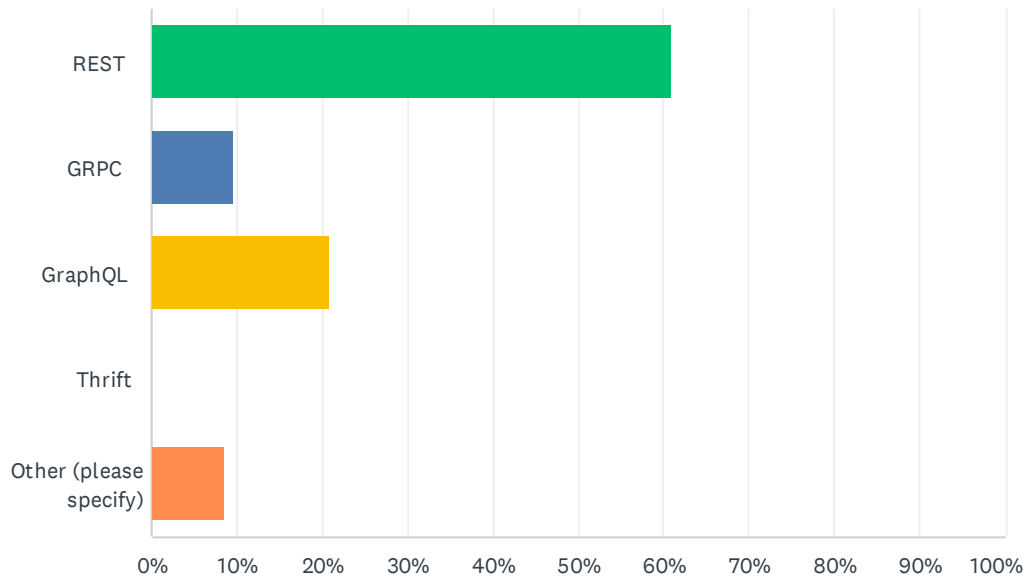
Answered: 178 Skipped: 37



ANSWER CHOICES	RESPONSES	
Firebase	21.35%	38
Mixpanel	0.56%	1
Leanplum	0.00%	0
Custom solution	58.99%	105
Other (please specify)	19.10%	34
TOTAL		178

Q19 How do you send data to your application from your servers?

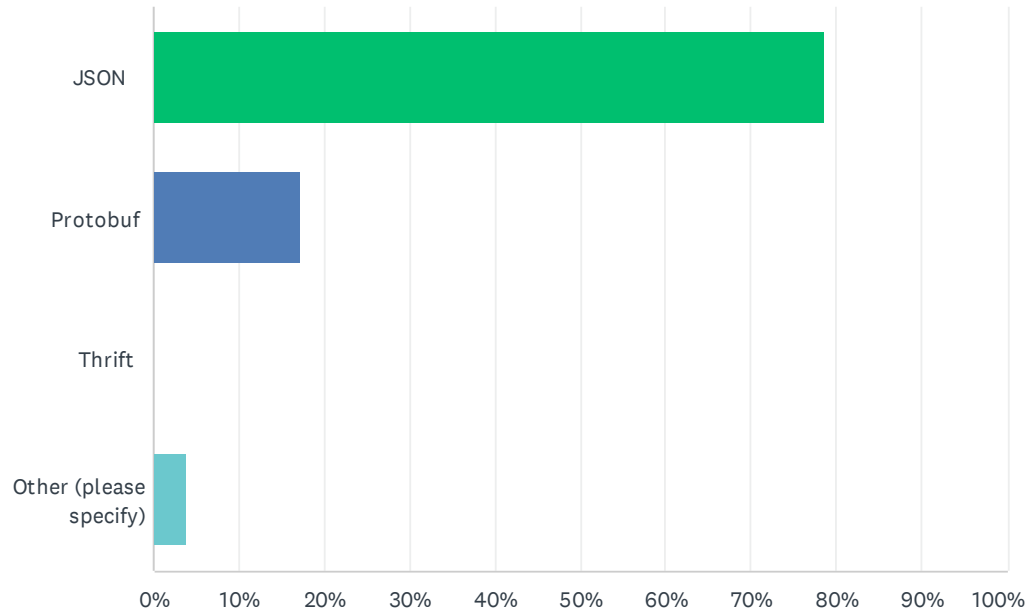
Answered: 177 Skipped: 38



ANSWER CHOICES	RESPONSES	
REST	61.02%	108
GRPC	9.60%	17
GraphQL	20.90%	37
Thrift	0.00%	0
Other (please specify)	8.47%	15
TOTAL		177

Q20 How is data formatted on the wire between your application and your servers?

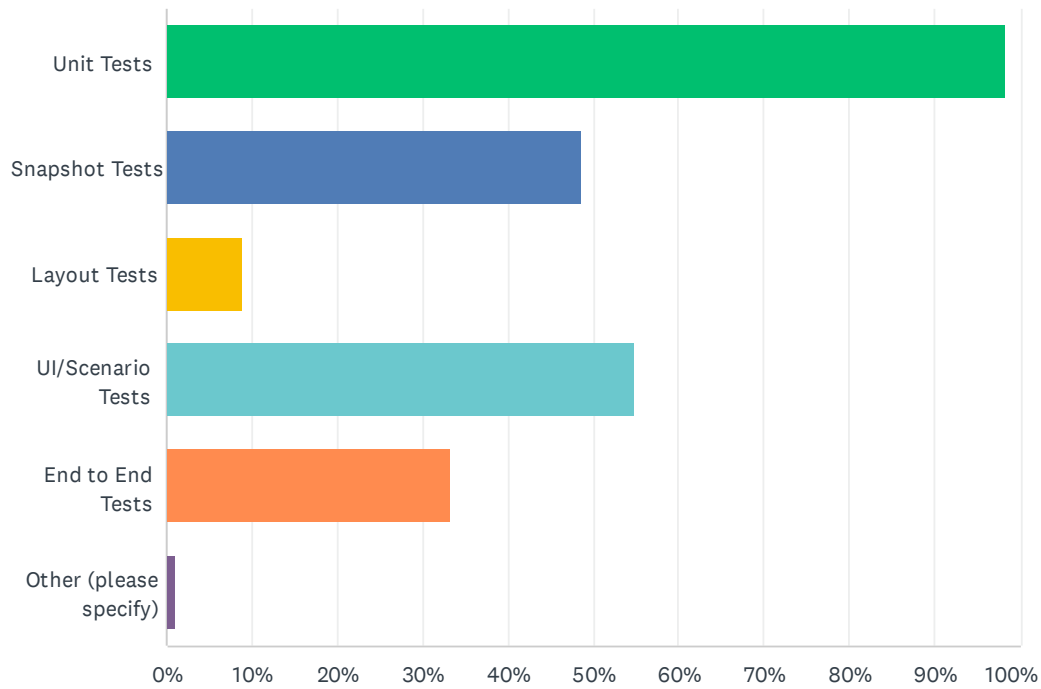
Answered: 179 Skipped: 36



ANSWER CHOICES	RESPONSES	
JSON	78.77%	141
Protobuf	17.32%	31
Thrift	0.00%	0
Other (please specify)	3.91%	7
TOTAL		179

Q21 How do you automate testing of your application?

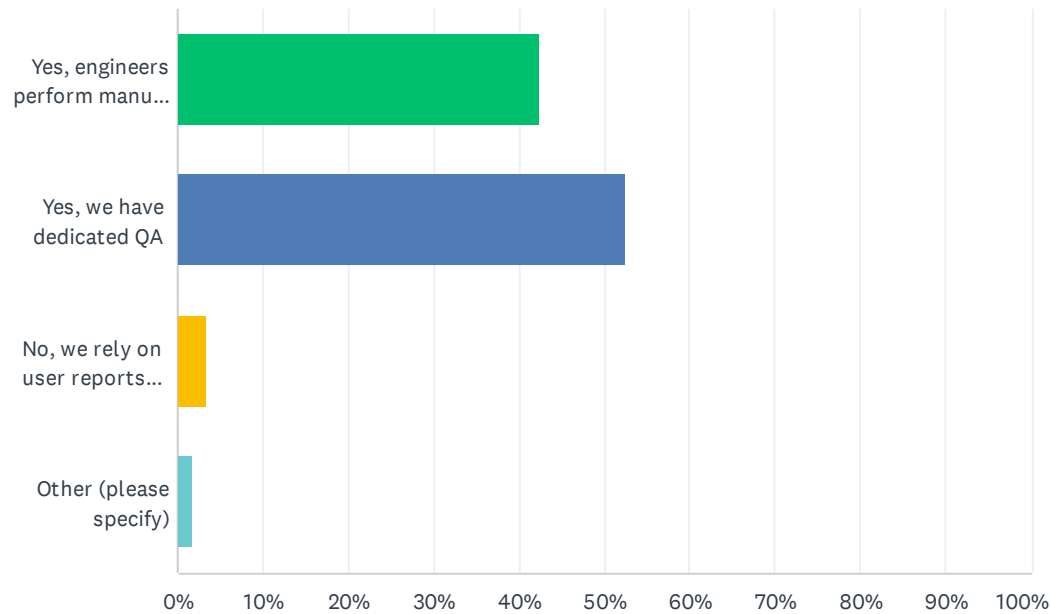
Answered: 177 Skipped: 38



ANSWER CHOICES	RESPONSES	
Unit Tests	98.31%	174
Snapshot Tests	48.59%	86
Layout Tests	9.04%	16
UI/Scenario Tests	54.80%	97
End to End Tests	33.33%	59
Other (please specify)	1.13%	2
Total Respondents: 177		

Q22 Do you perform manual testing?

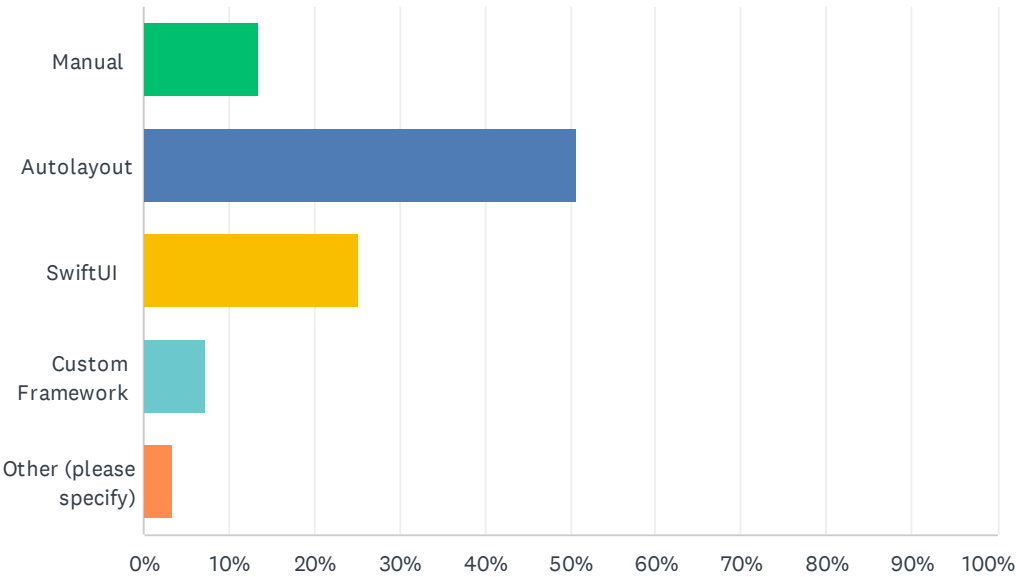
Answered: 179 Skipped: 36



ANSWER CHOICES		RESPONSES	
Yes, engineers perform manual testing on their work		42.46%	76
Yes, we have dedicated QA		52.51%	94
No, we rely on user reports for new issues		3.35%	6
Other (please specify)		1.68%	3
TOTAL			179

Q23 [iOS Only] How do you typically build UI layouts? If multiple, select the most common and/or recommended one

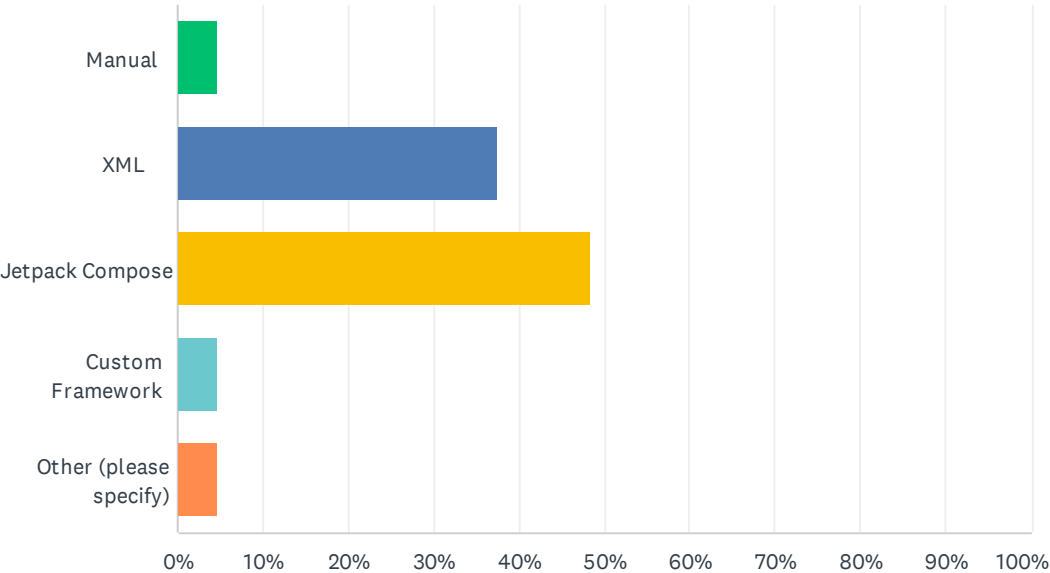
Answered: 179 Skipped: 36



ANSWER CHOICES	RESPONSES	
Manual	13.41%	24
Autolayout	50.84%	91
SwiftUI	25.14%	45
Custom Framework	7.26%	13
Other (please specify)	3.35%	6
TOTAL		179

Q24 [Android Only] How do you typically build UI layouts? If multiple, select the most common and/or recommended one

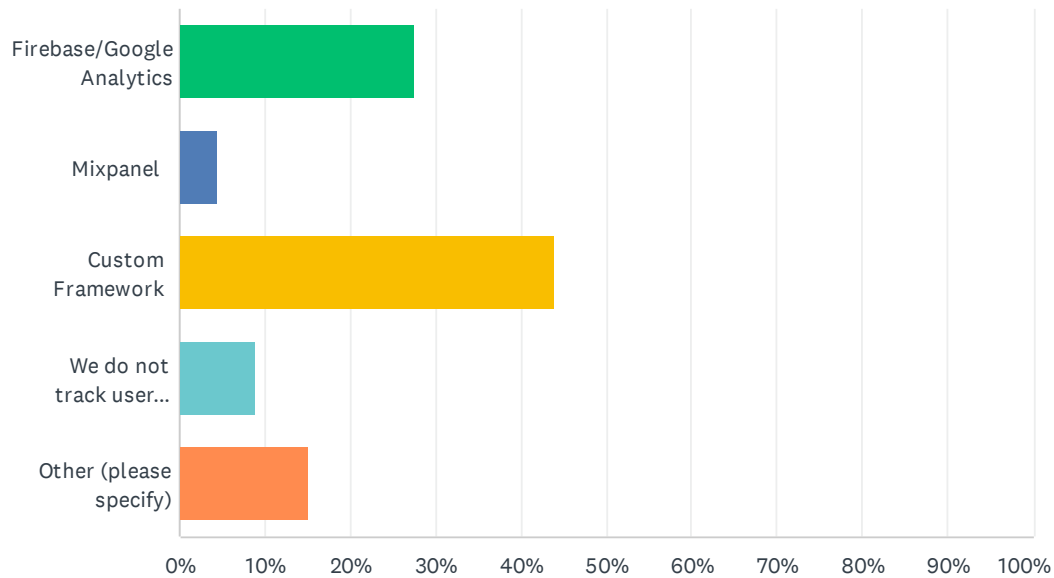
Answered: 64 Skipped: 151



ANSWER CHOICES	RESPONSES	
Manual	4.69%	3
XML	37.50%	24
Jetpack Compose	48.44%	31
Custom Framework	4.69%	3
Other (please specify)	4.69%	3
TOTAL		64

Q25 How do you track user actions in your application?

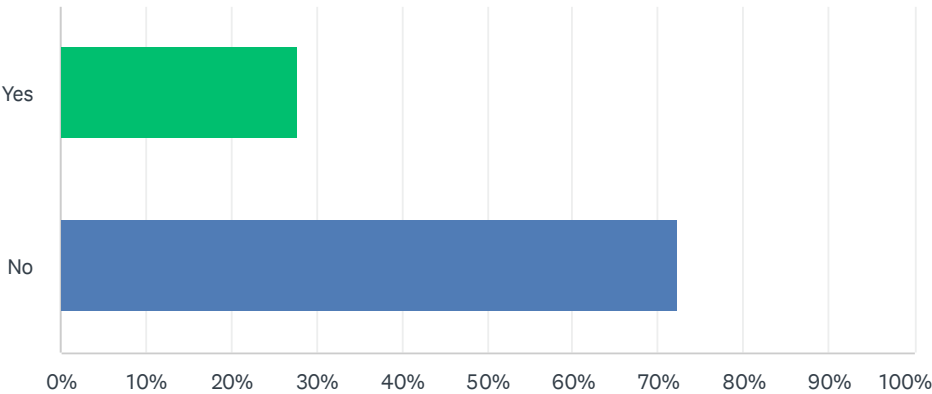
Answered: 178 Skipped: 37



ANSWER CHOICES	RESPONSES	
Firebase/Google Analytics	27.53%	49
Mixpanel	4.49%	8
Custom Framework	43.82%	78
We do not track user actions	8.99%	16
Other (please specify)	15.17%	27
TOTAL		178

Q26 Do you measure developer productivity?

Answered: 177 Skipped: 38



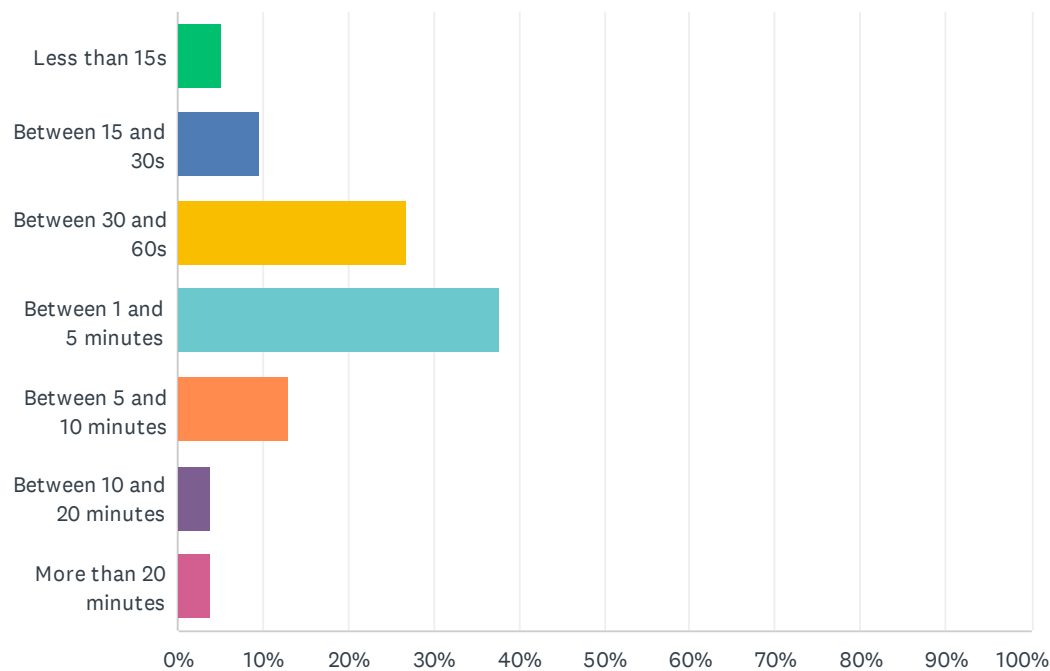
ANSWER CHOICES	RESPONSES	
Yes	27.68%	49
No	72.32%	128
TOTAL		177

Q27 If yes, what's the most important developer productivity metric you track?

Answered: 33 Skipped: 182

Q28 What are your average local build times?

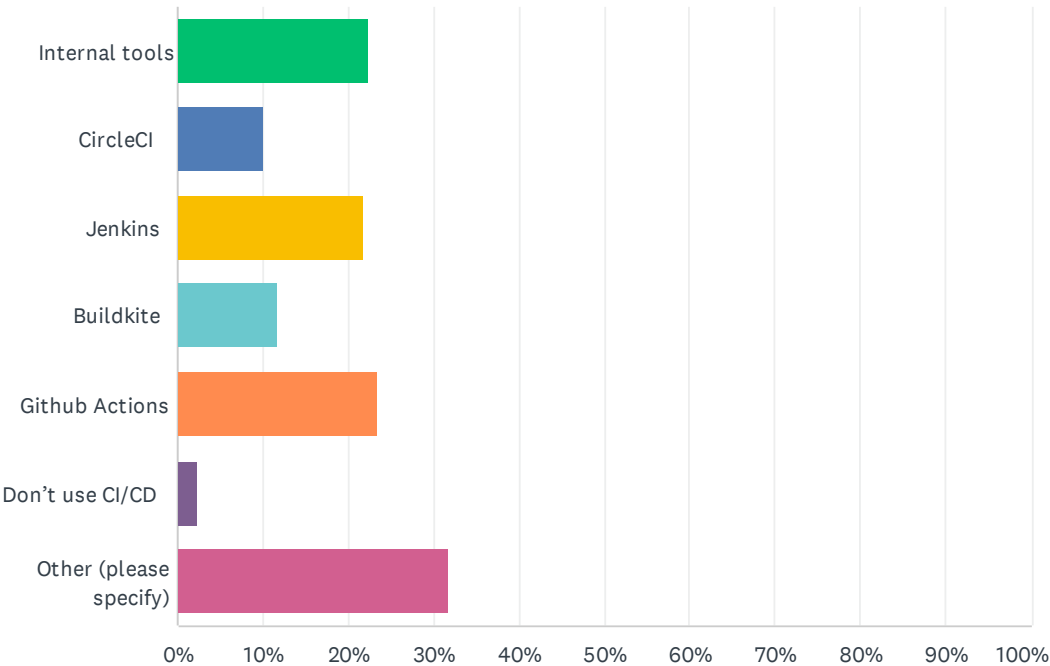
Answered: 178 Skipped: 37



ANSWER CHOICES	RESPONSES	
Less than 15s	5.06%	9
Between 15 and 30s	9.55%	17
Between 30 and 60s	26.97%	48
Between 1 and 5 minutes	37.64%	67
Between 5 and 10 minutes	12.92%	23
Between 10 and 20 minutes	3.93%	7
More than 20 minutes	3.93%	7
TOTAL		178

Q29 What do you use for CI/CD?

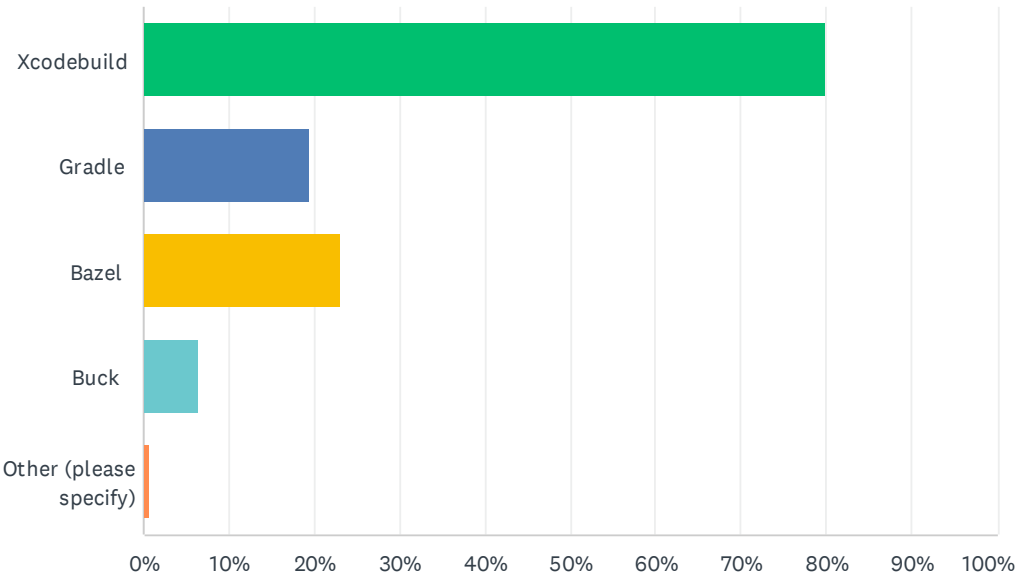
Answered: 170 Skipped: 45



ANSWER CHOICES	RESPONSES	
Internal tools	22.35%	38
CircleCI	10.00%	17
Jenkins	21.76%	37
Buildkite	11.76%	20
Github Actions	23.53%	40
Don't use CI/CD	2.35%	4
Other (please specify)	31.76%	54
Total Respondents: 170		

Q30 What build system do you use?

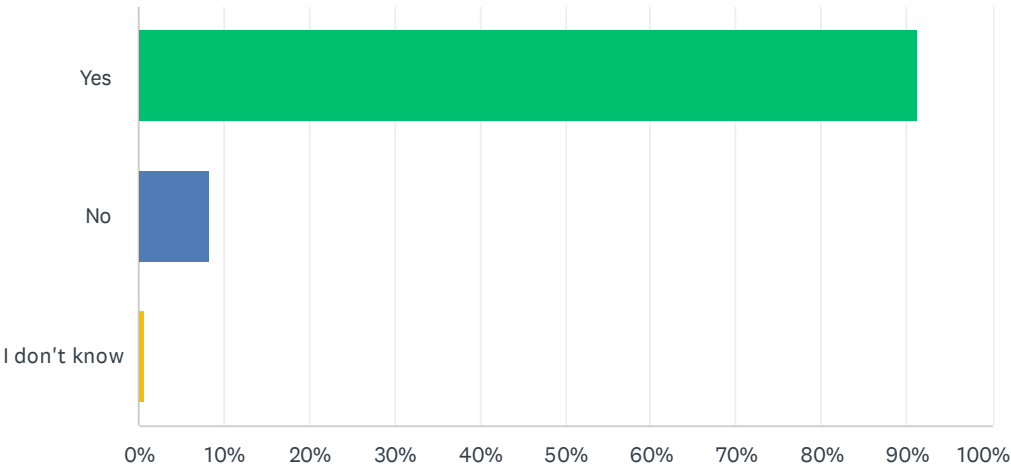
Answered: 170 Skipped: 45



ANSWER CHOICES	RESPONSES	
Xcodebuild	80.00%	136
Gradle	19.41%	33
Bazel	22.94%	39
Buck	6.47%	11
Other (please specify)	0.59%	1
Total Respondents: 170		

Q31 Is your code run through a linter, or checkstyle?

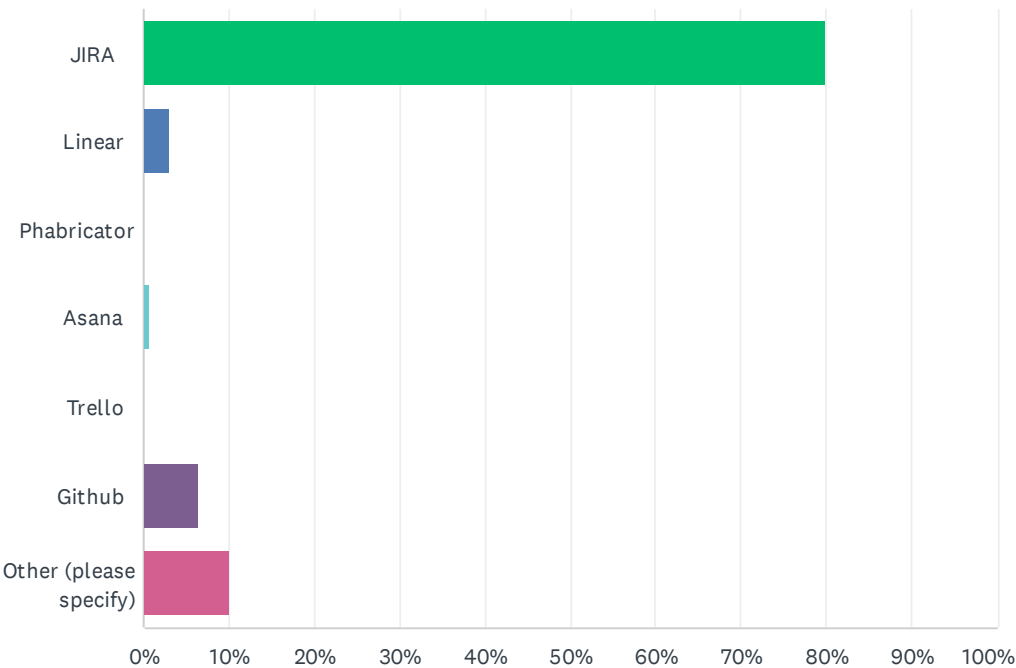
Answered: 170 Skipped: 45



ANSWER CHOICES	RESPONSES	
Yes	91.18%	155
No	8.24%	14
I don't know	0.59%	1
TOTAL		170

Q32 How does your company track issues and tasks?

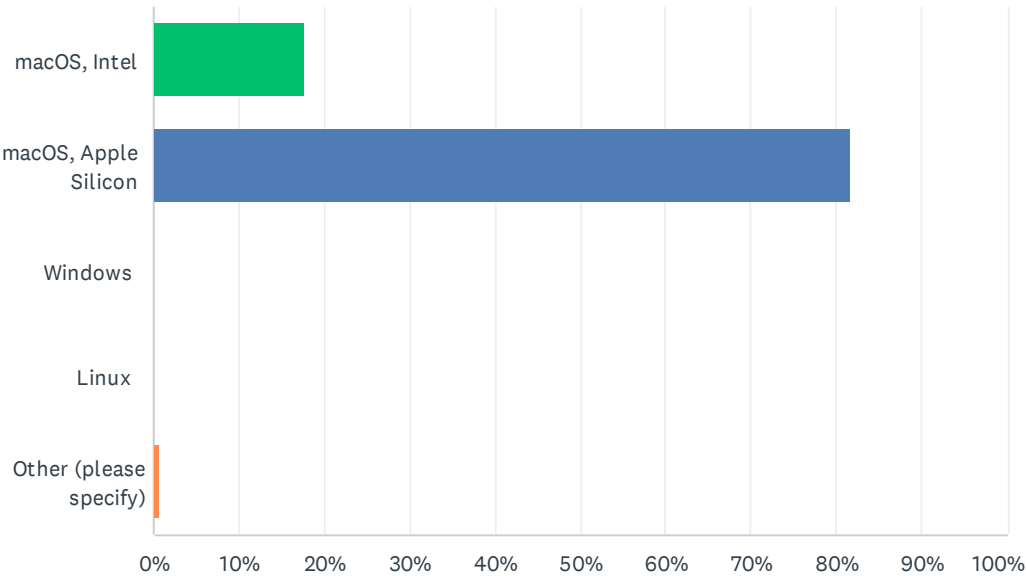
Answered: 170 Skipped: 45



ANSWER CHOICES	RESPONSES	
JIRA	80.00%	136
Linear	2.94%	5
Phabricator	0.00%	0
Asana	0.59%	1
Trello	0.00%	0
Github	6.47%	11
Other (please specify)	10.00%	17
TOTAL		170

Q33 What kind of machine do you primarily use for development?

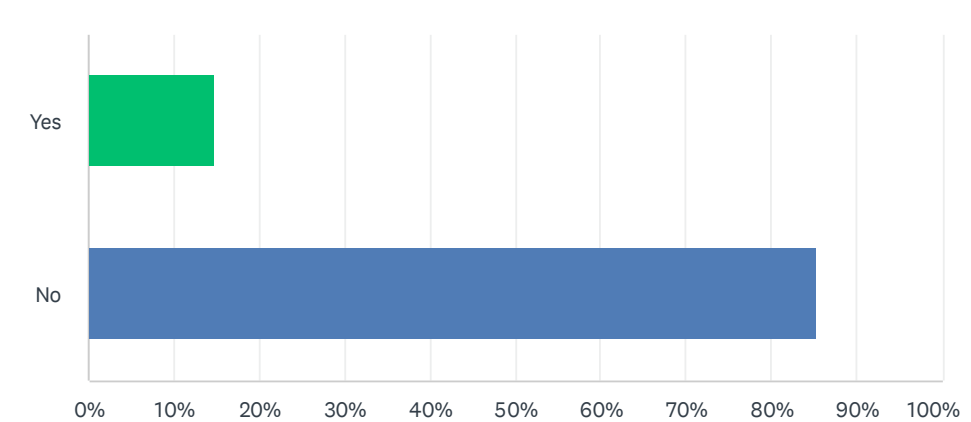
Answered: 170 Skipped: 45



ANSWER CHOICES	RESPONSES	
macOS, Intel	17.65%	30
macOS, Apple Silicon	81.76%	139
Windows	0.00%	0
Linux	0.00%	0
Other (please specify)	0.59%	1
TOTAL		170

Q34 Do you work on more than one machine at the same time?

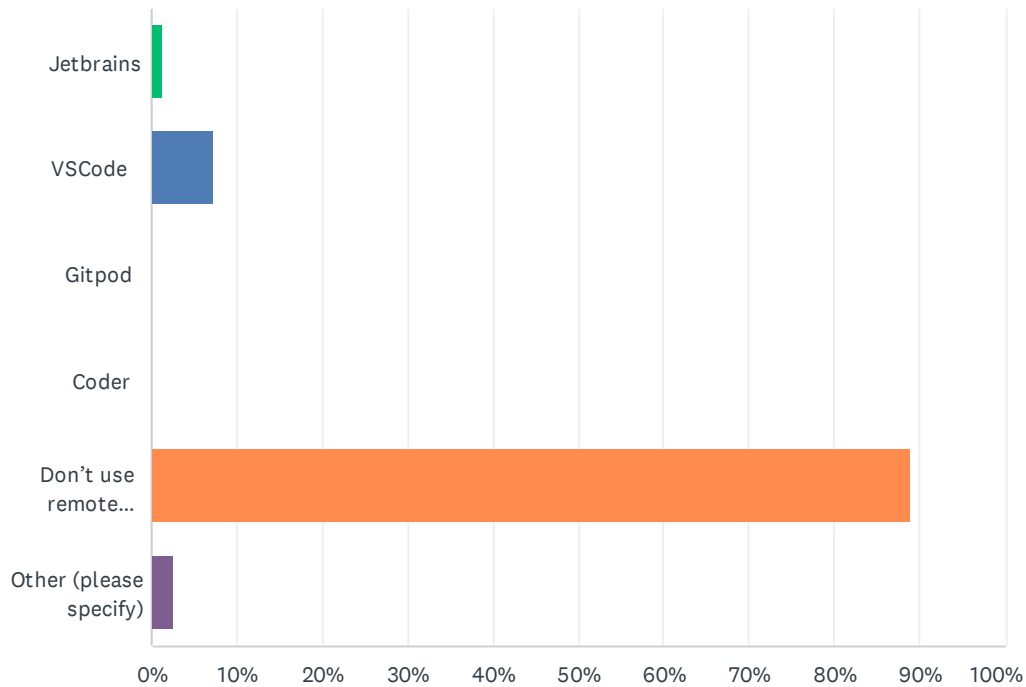
Answered: 170 Skipped: 45



ANSWER CHOICES	RESPONSES	
Yes	14.71%	25
No	85.29%	145
TOTAL		170

Q35 What (if any) remote development solutions do you use?

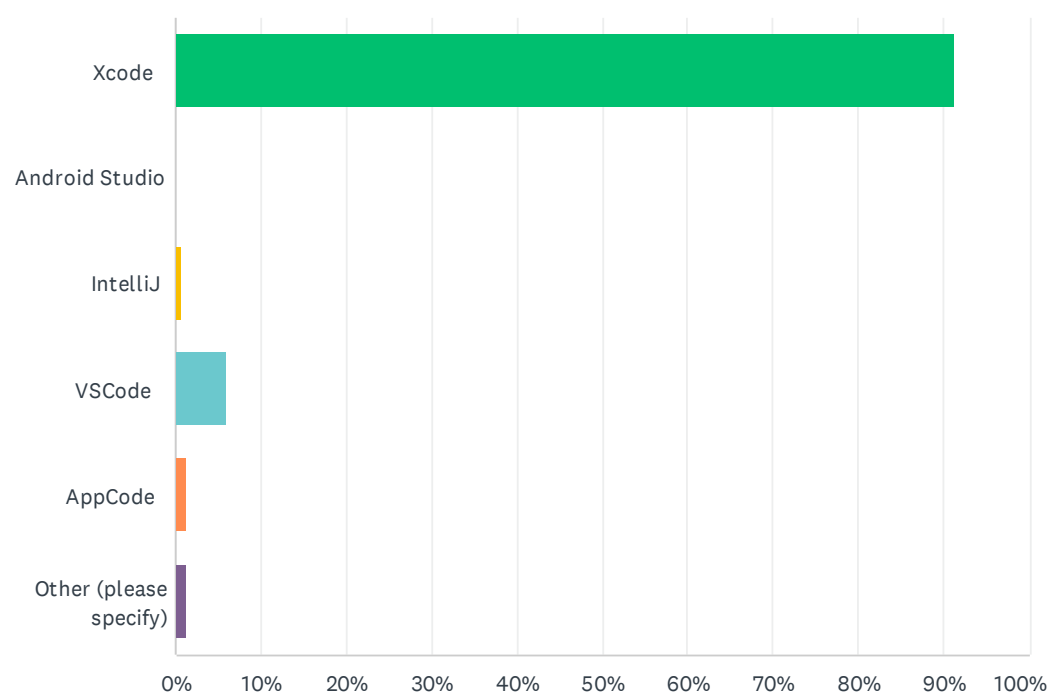
Answered: 153 Skipped: 62



ANSWER CHOICES	RESPONSES	
Jetbrains	1.31%	2
VSCode	7.19%	11
Gitpod	0.00%	0
Coder	0.00%	0
Don't use remote development	88.89%	136
Other (please specify)	2.61%	4
TOTAL		153

Q36 What is your primary IDE?

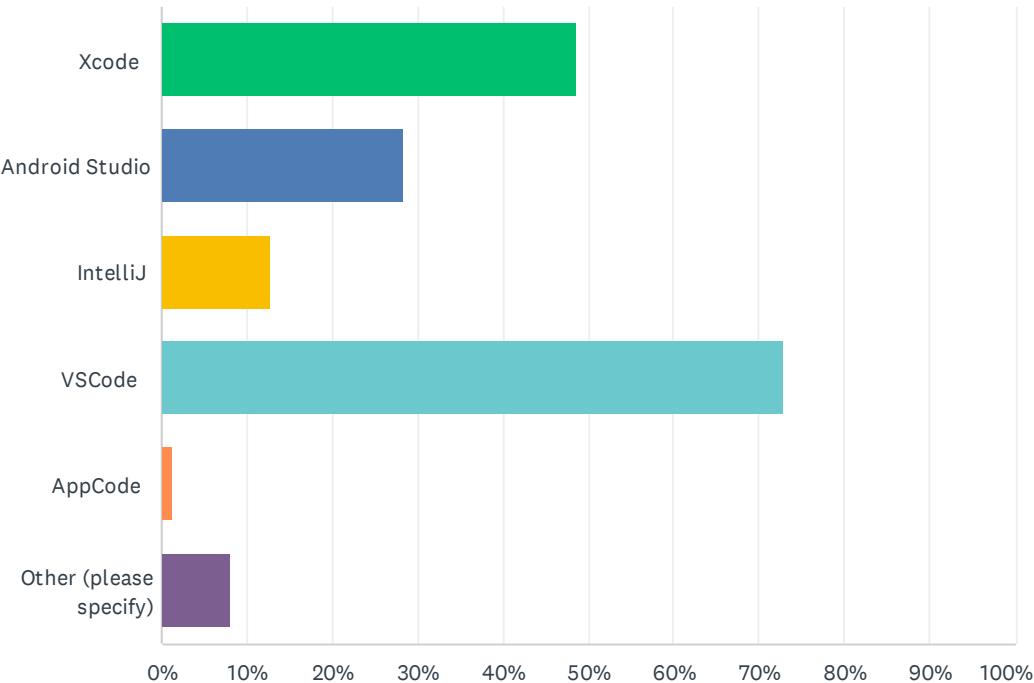
Answered: 170 Skipped: 45



ANSWER CHOICES	RESPONSES	
Xcode	91.18%	155
Android Studio	0.00%	0
IntelliJ	0.59%	1
VSCode	5.88%	10
AppCode	1.18%	2
Other (please specify)	1.18%	2
TOTAL		170

Q37 What other IDEs do you use (choose your top 3)?

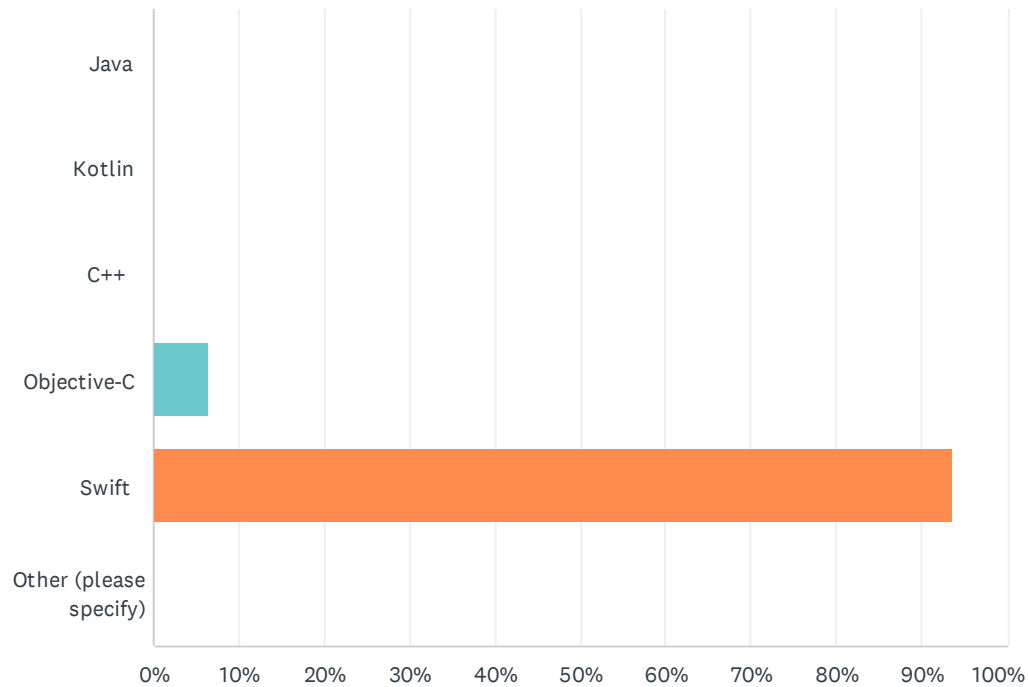
Answered: 148 Skipped: 67



ANSWER CHOICES	RESPONSES	
Xcode	48.65%	72
Android Studio	28.38%	42
IntelliJ	12.84%	19
VSCode	72.97%	108
AppCode	1.35%	2
Other (please specify)	8.11%	12
Total Respondents: 148		

Q38 What is your primary programming language?

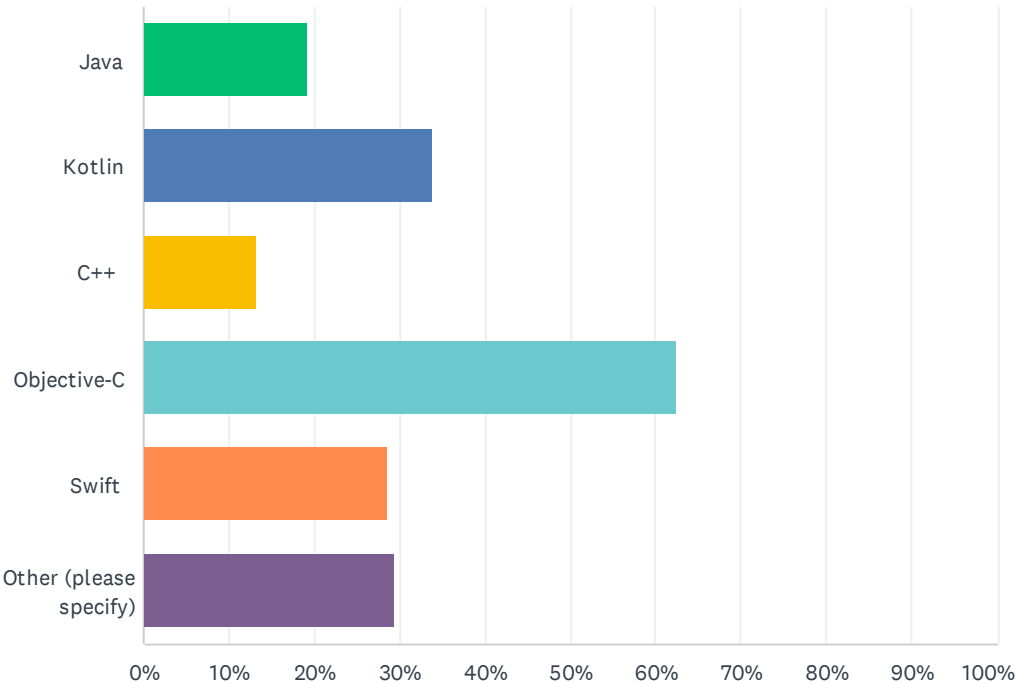
Answered: 170 Skipped: 45



ANSWER CHOICES	RESPONSES	
Java	0.00%	0
Kotlin	0.00%	0
C++	0.00%	0
Objective-C	6.47%	11
Swift	93.53%	159
Other (please specify)	0.00%	0
TOTAL		170

Q39 What other programming languages do you use (multi select)?

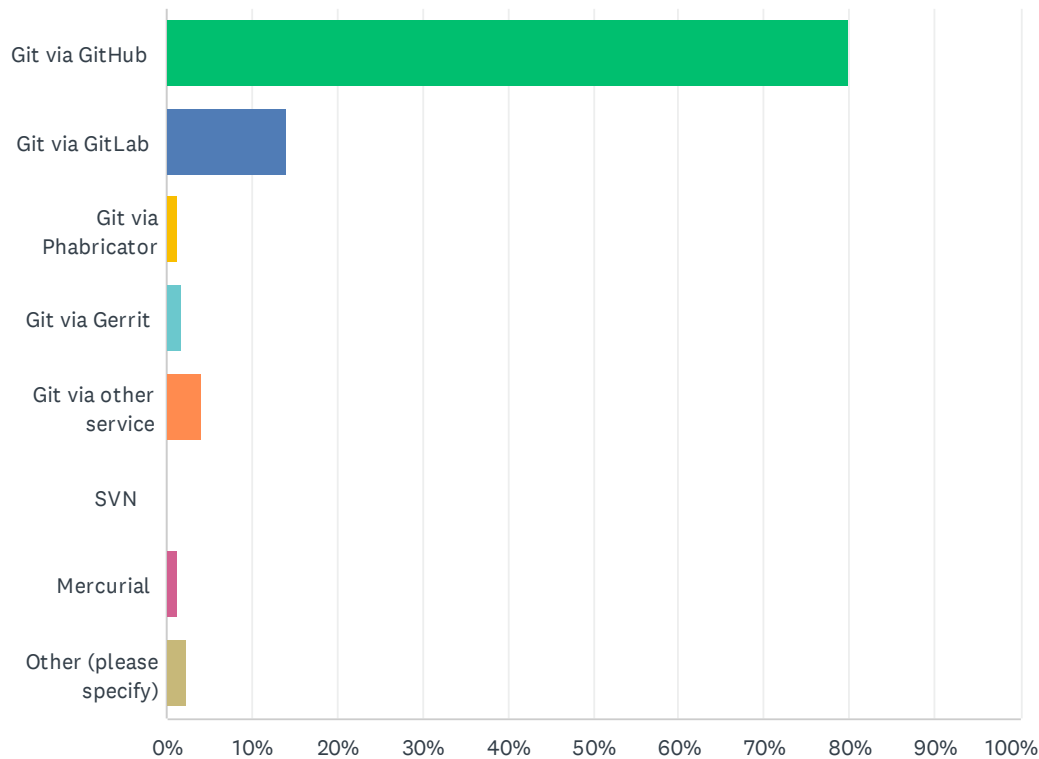
Answered: 136 Skipped: 79



ANSWER CHOICES	RESPONSES	
Java	19.12%	26
Kotlin	33.82%	46
C++	13.24%	18
Objective-C	62.50%	85
Swift	28.68%	39
Other (please specify)	29.41%	40
Total Respondents: 136		

Q40 What do you use for version control?

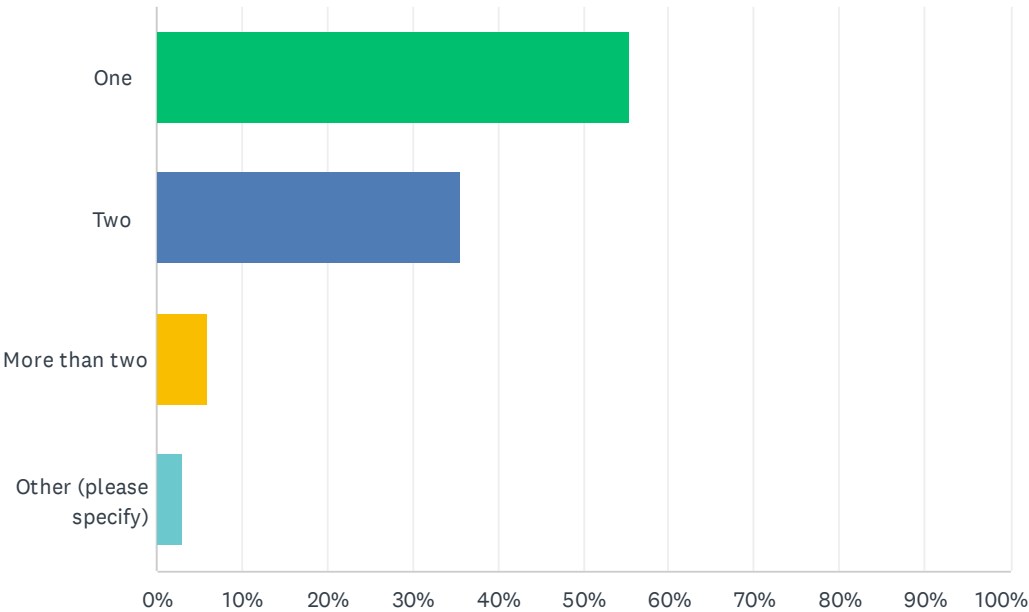
Answered: 170 Skipped: 45



ANSWER CHOICES	RESPONSES	
Git via GitHub	80.00%	136
Git via GitLab	14.12%	24
Git via Phabricator	1.18%	2
Git via Gerrit	1.76%	3
Git via other service	4.12%	7
SVN	0.00%	0
Mercurial	1.18%	2
Other (please specify)	2.35%	4
Total Respondents: 170		

Q41 How many reviewers do you need for a typical code submission?

Answered: 168 Skipped: 47



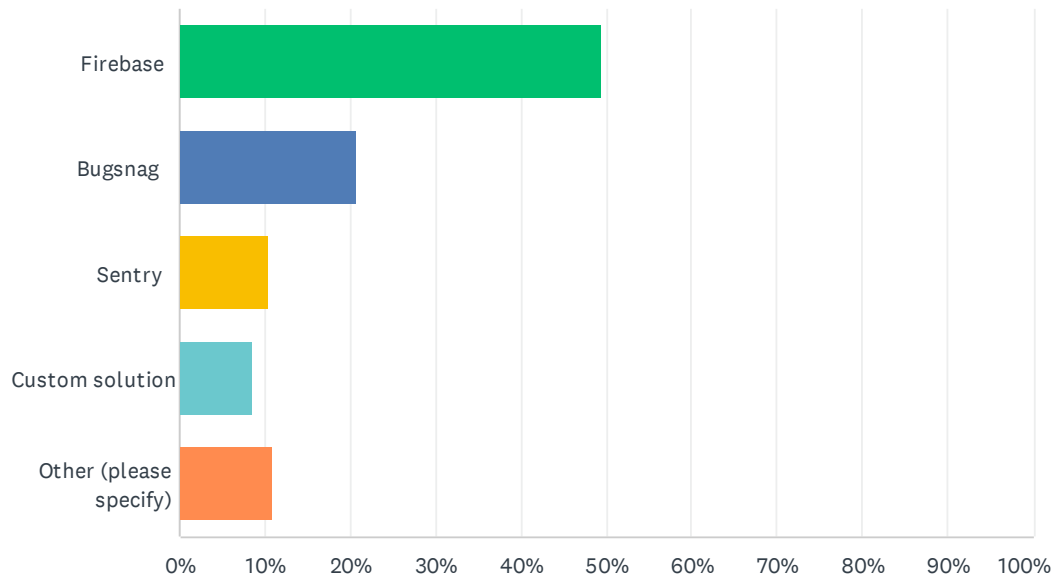
ANSWER CHOICES	RESPONSES	
One	55.36%	93
Two	35.71%	60
More than two	5.95%	10
Other (please specify)	2.98%	5
TOTAL		168

Q42 How is code ownership set up at your company?

Answered: 73 Skipped: 142

Q43 What type of crash reporting system do you use?

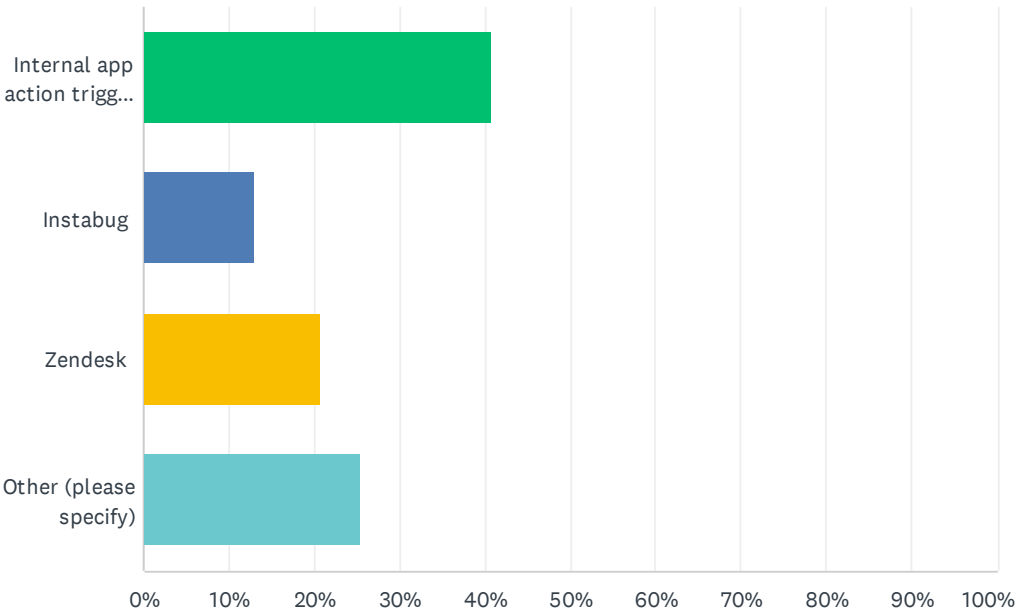
Answered: 164 Skipped: 51



ANSWER CHOICES	RESPONSES	
Firebase	49.39%	81
Bugsnag	20.73%	34
Sentry	10.37%	17
Custom solution	8.54%	14
Other (please specify)	10.98%	18
TOTAL		164

Q44 How do you receive user feedback?

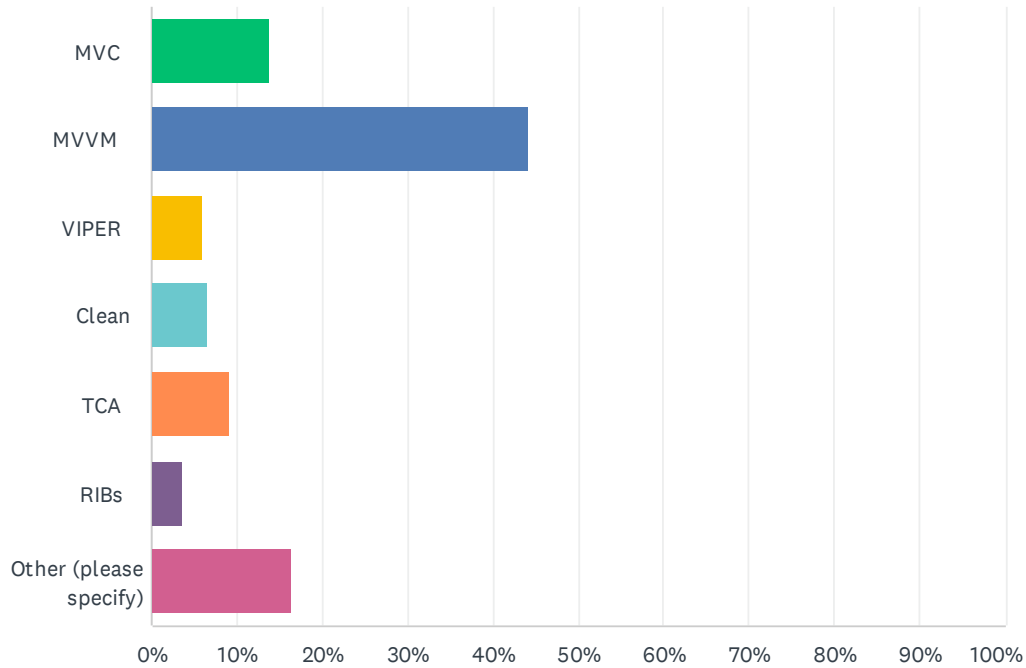
Answered: 130 Skipped: 85



ANSWER CHOICES		RESPONSES	
Internal app action trigger (ie "Shake to Send", screenshot)		40.77%	53
Instabug		13.08%	17
Zendesk		20.77%	27
Other (please specify)		25.38%	33
TOTAL			130

Q45 What type of architecture does your app use?

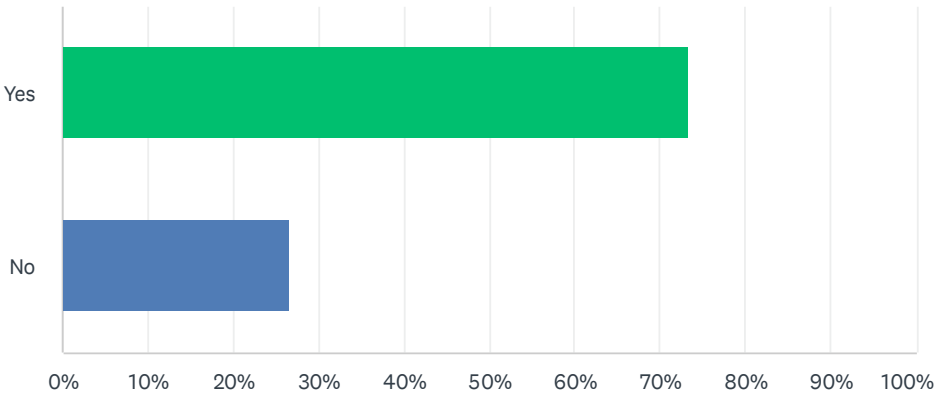
Answered: 165 Skipped: 50



ANSWER CHOICES	RESPONSES	
MVC	13.94%	23
MVVM	44.24%	73
VIPER	6.06%	10
Clean	6.67%	11
TCA	9.09%	15
RIBs	3.64%	6
Other (please specify)	16.36%	27
TOTAL		165

Q46 Do you participate in platform specific or general mobile meetups within your company?

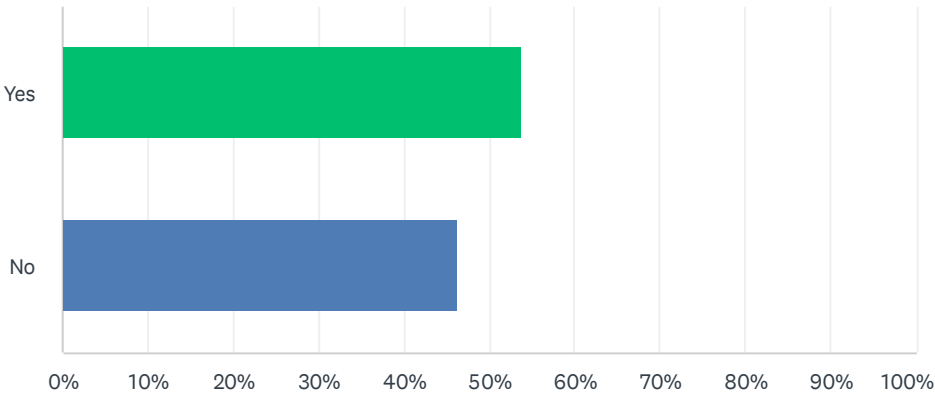
Answered: 165 Skipped: 50



ANSWER CHOICES	RESPONSES	
Yes	73.33%	121
No	26.67%	44
TOTAL		165

Q47 Do you participate in platform specific or general mobile meetups outside your company?

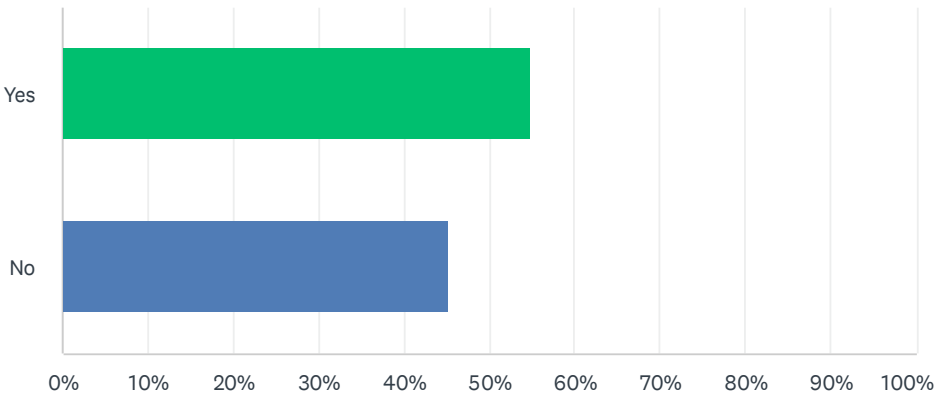
Answered: 164 Skipped: 51



ANSWER CHOICES	RESPONSES	
Yes	53.66%	88
No	46.34%	76
TOTAL		164

Q48 Does your company sponsor employees to speak at conferences?
For example encouraging you to speak, and/or paying for travel,
sponsoring entire conferences?

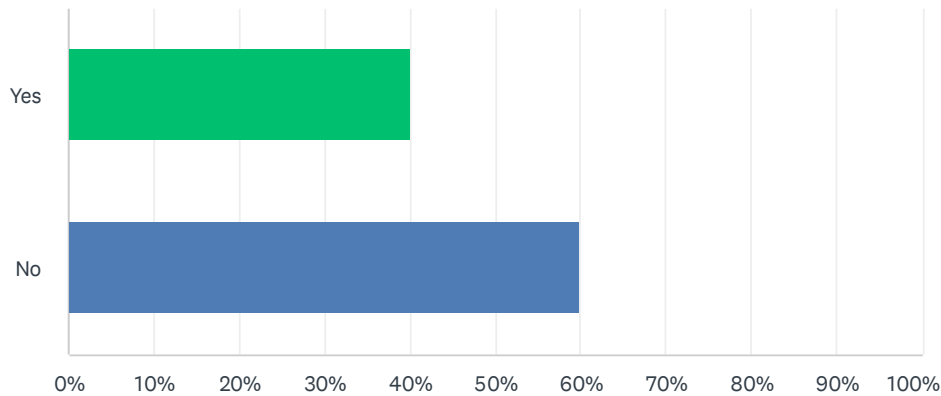
Answered: 164 Skipped: 51



ANSWER CHOICES		RESPONSES	
Yes		54.88%	90
No		45.12%	74
TOTAL			164

Q49 In a typical year, do you attend any large mobile related conferences like WWDC or Google I/O?

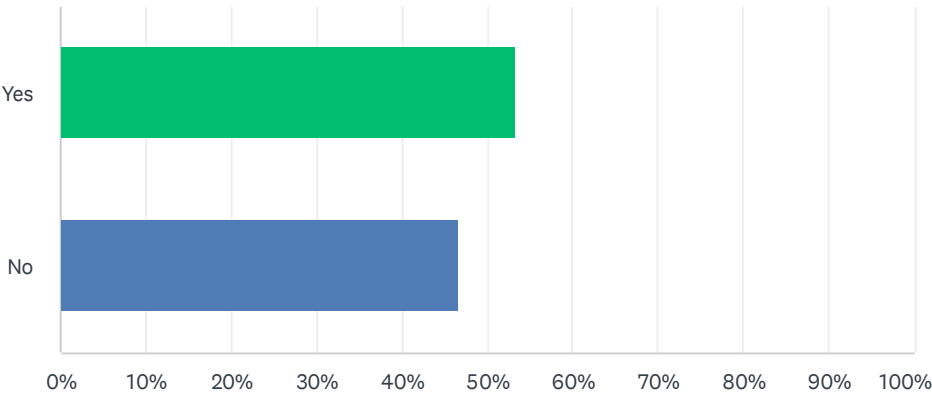
Answered: 165 Skipped: 50



ANSWER CHOICES	RESPONSES	
Yes	40.00%	66
No	60.00%	99
TOTAL		165

Q50 In a typical year, do you attend any community driven conferences?

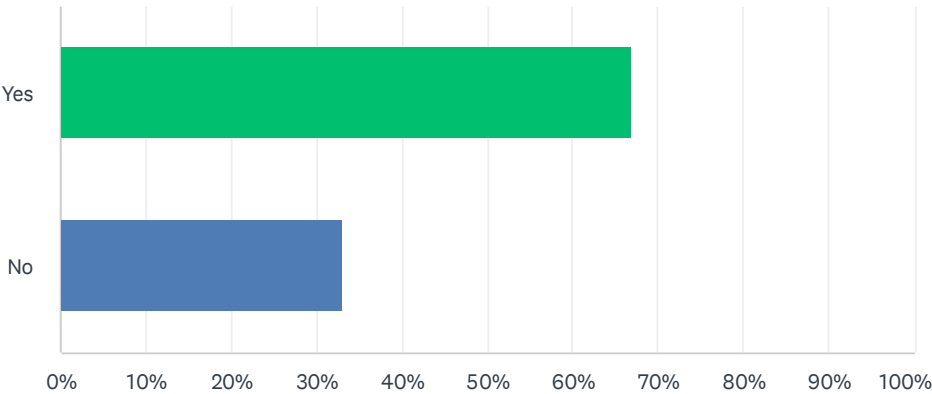
Answered: 165 Skipped: 50



ANSWER CHOICES	RESPONSES	
Yes	53.33%	88
No	46.67%	77
TOTAL		165

Q51 Do you participate in online communities relating to mobile development (ie Slack groups, forums, etc)?

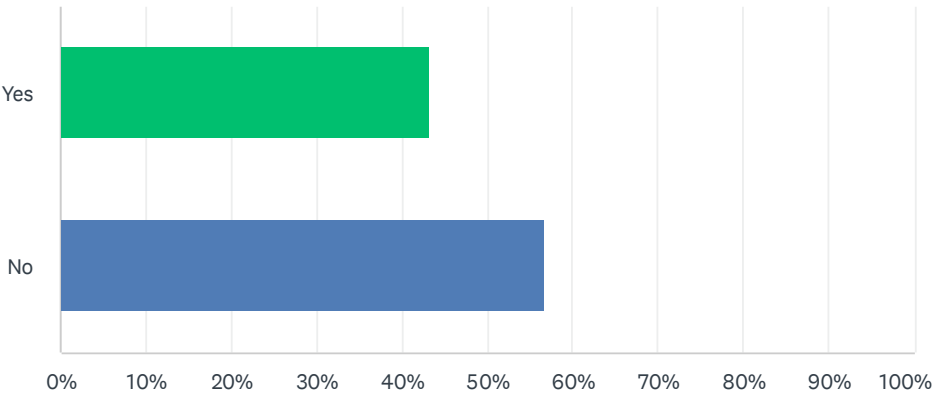
Answered: 163 Skipped: 52



ANSWER CHOICES	RESPONSES	
Yes	66.87%	109
No	33.13%	54
TOTAL		163

Q52 Do you participate in open source development relating to mobile, in your personal time?

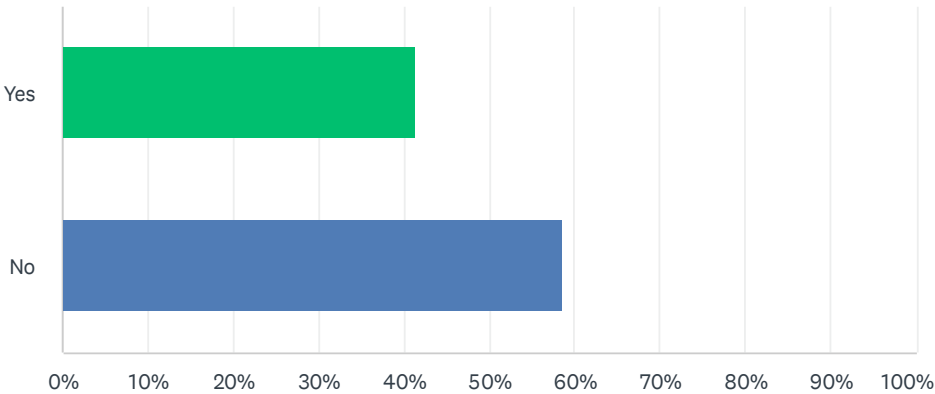
Answered: 164 Skipped: 51



ANSWER CHOICES	RESPONSES	
Yes	43.29%	71
No	56.71%	93
TOTAL		164

Q53 Do you participate in open source development relating to mobile, while on company time?

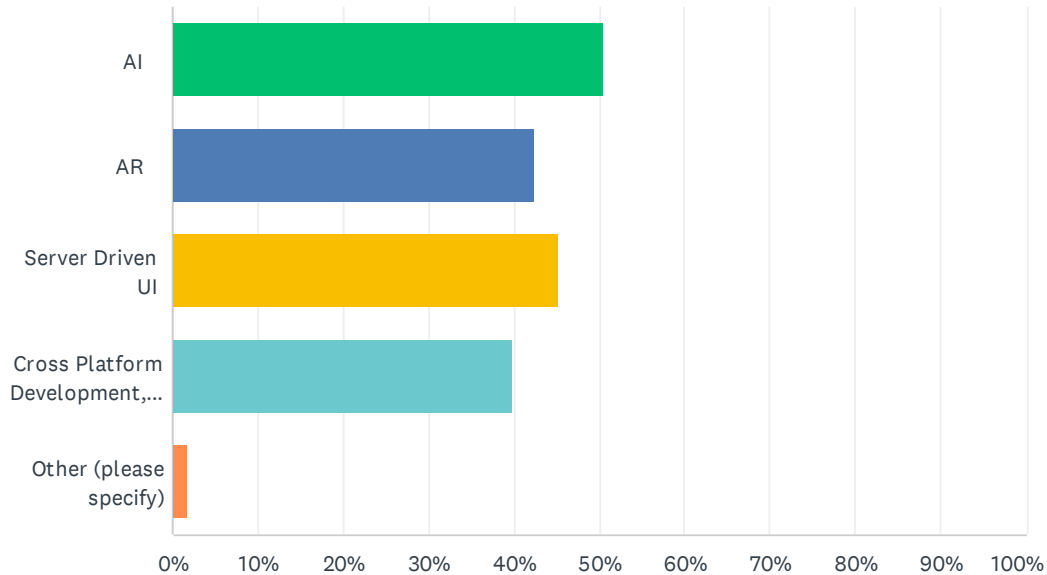
Answered: 164 Skipped: 51



ANSWER CHOICES	RESPONSES	
Yes	41.46%	68
No	58.54%	96
TOTAL		164

Q54 Are you excited about any of the following new and cutting edge fields?

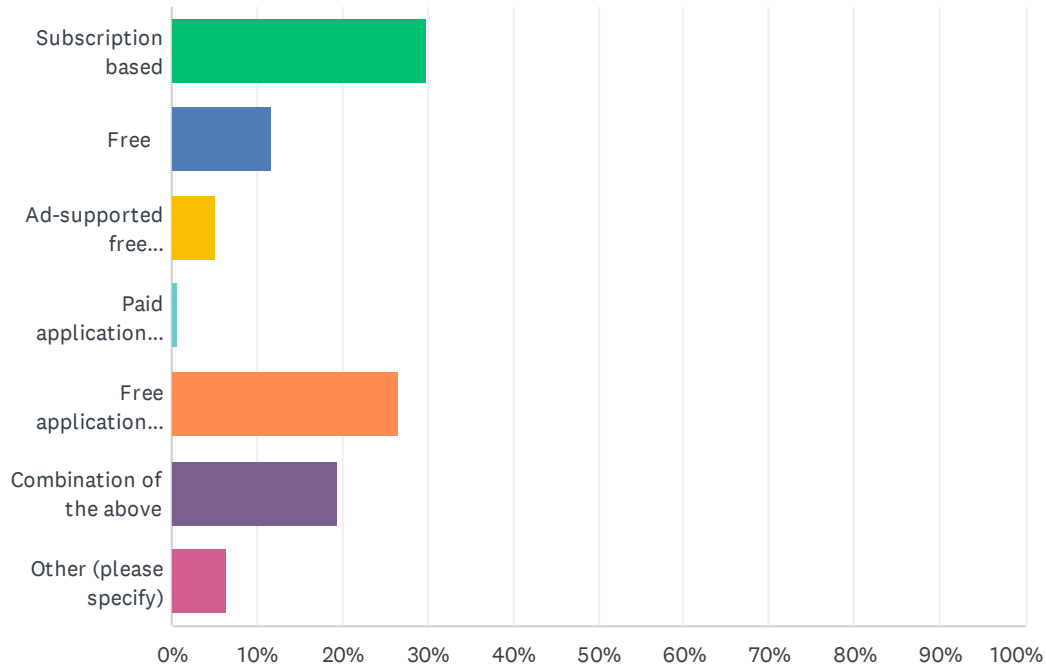
Answered: 113 Skipped: 102



ANSWER CHOICES	RESPONSES	
AI	50.44%	57
AR	42.48%	48
Server Driven UI	45.13%	51
Cross Platform Development, e.g. Kotlin Multiplatform	39.82%	45
Other (please specify)	1.77%	2
Total Respondents: 113		

Q55 What is your company's business model?

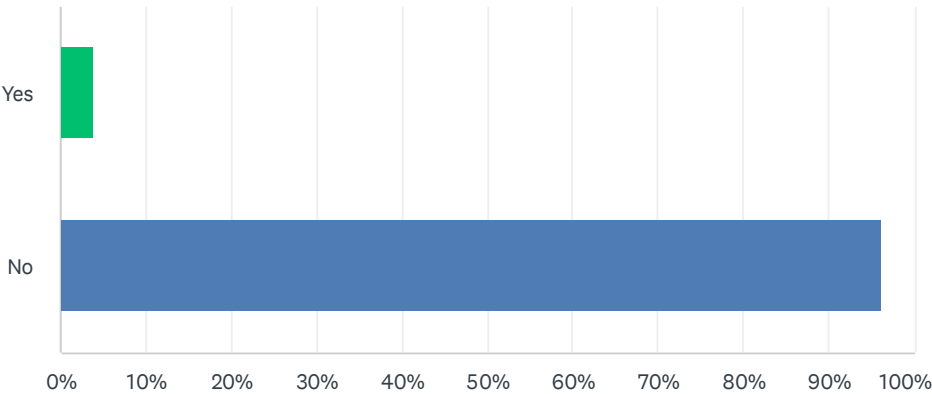
Answered: 154 Skipped: 61



ANSWER CHOICES	RESPONSES	
Subscription based	29.87%	46
Free	11.69%	18
Ad-supported free application	5.19%	8
Paid application (non subscription)	0.65%	1
Free application with physical goods or services exchanged	26.62%	41
Combination of the above	19.48%	30
Other (please specify)	6.49%	10
TOTAL		154

Q56 Does your business build games?

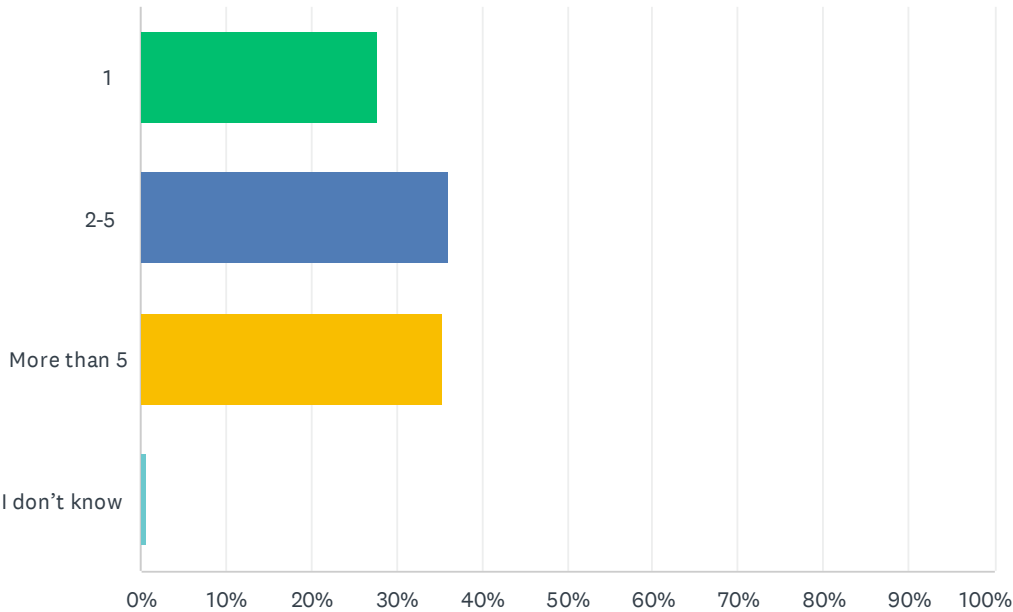
Answered: 155 Skipped: 60



ANSWER CHOICES	RESPONSES	
Yes	3.87%	6
No	96.13%	149
TOTAL		155

Q57 How many apps does your business support?

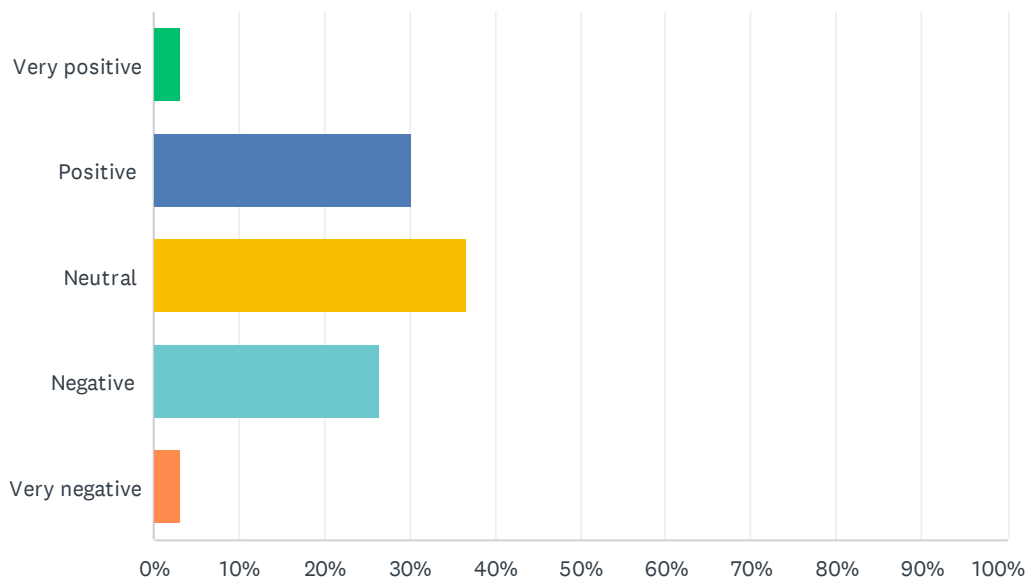
Answered: 155 Skipped: 60



ANSWER CHOICES	RESPONSES	
1	27.74%	43
2-5	36.13%	56
More than 5	35.48%	55
I don't know	0.65%	1
TOTAL		155

Q58 What is your sentiment around current iOS App Store practices?

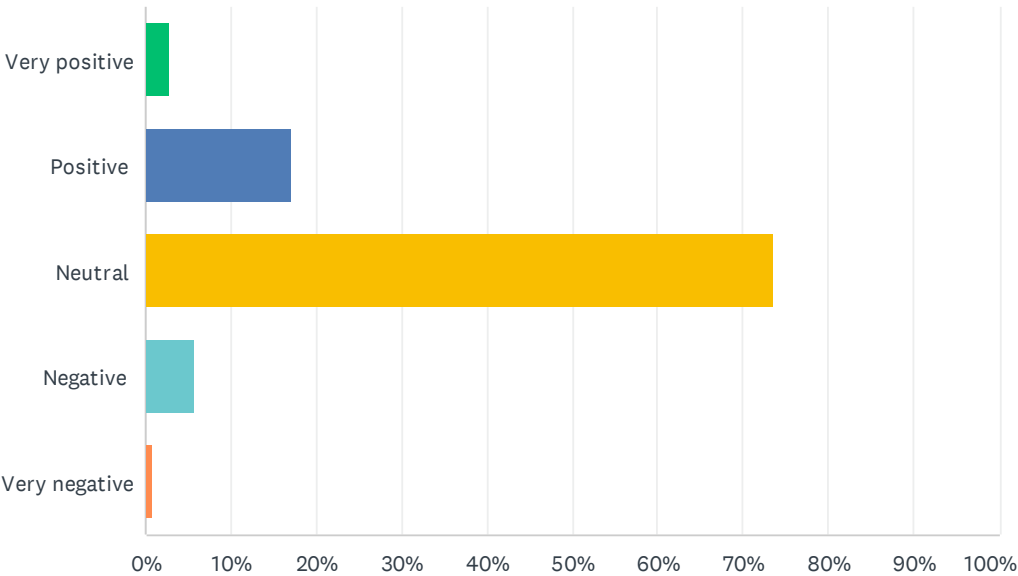
Answered: 155 Skipped: 60



ANSWER CHOICES	RESPONSES	
Very positive	3.23%	5
Positive	30.32%	47
Neutral	36.77%	57
Negative	26.45%	41
Very negative	3.23%	5
TOTAL		155

Q59 What is your sentiment around current Android Play Store practices?

Answered: 106 Skipped: 109



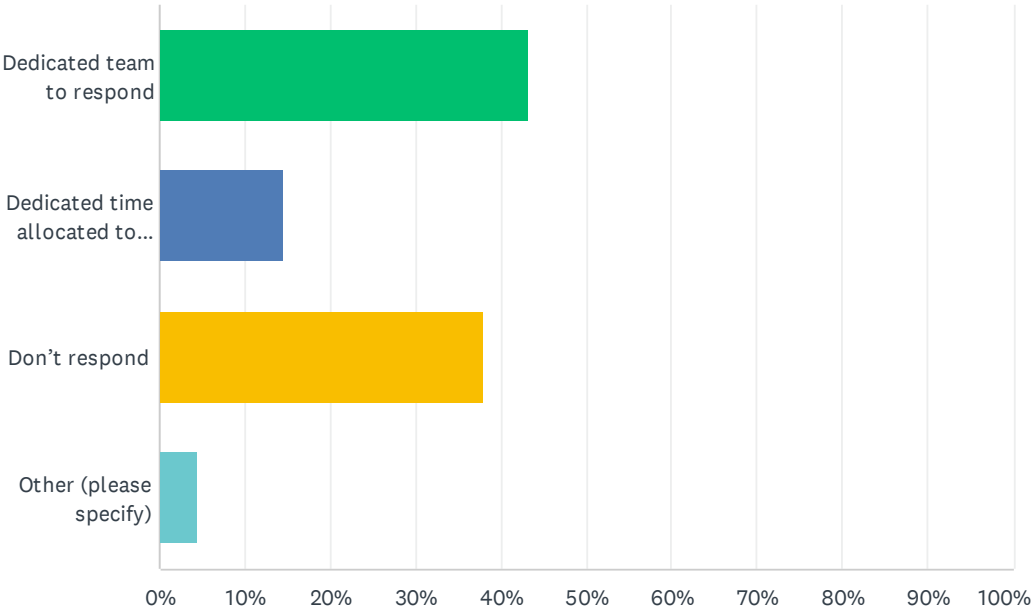
ANSWER CHOICES		RESPONSES	
Very positive		2.83%	3
Positive		16.98%	18
Neutral		73.58%	78
Negative		5.66%	6
Very negative		0.94%	1
TOTAL			106

Q60 Please describe your sentiment around current App Store practices in more detail?

Answered: 32 Skipped: 183

Q61 How does your business handle app reviews, especially 1-star reviews?

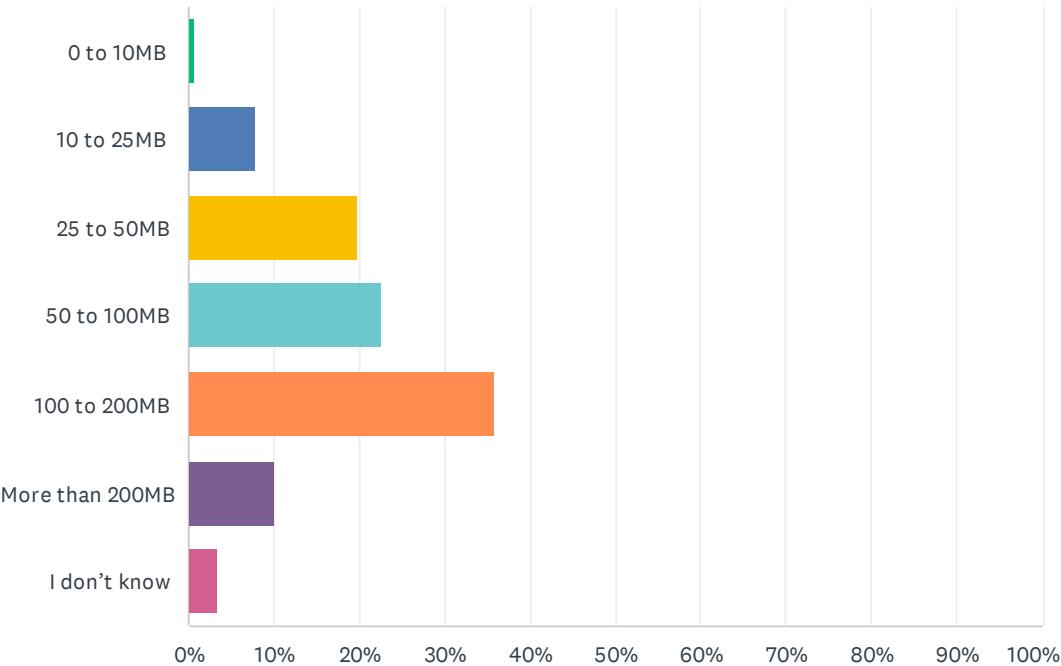
Answered: 132 Skipped: 83



ANSWER CHOICES	RESPONSES	
Dedicated team to respond	43.18%	57
Dedicated time allocated to respond, but no specific team	14.39%	19
Don't respond	37.88%	50
Other (please specify)	4.55%	6
TOTAL		132

Q62 How large is your app’s download size?

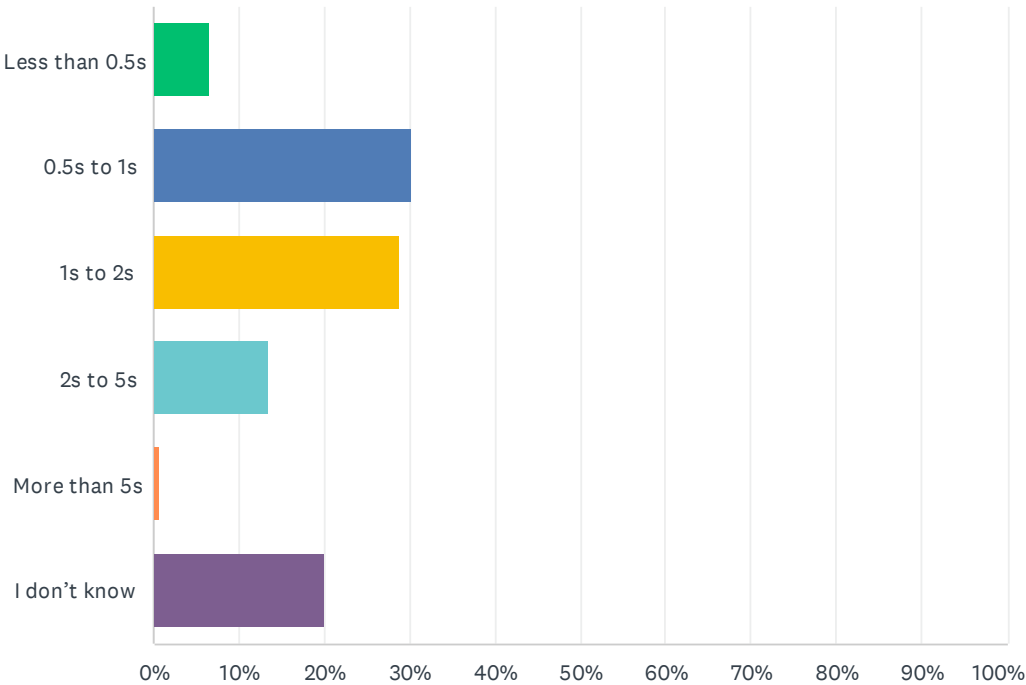
Answered: 151 Skipped: 64



ANSWER CHOICES	RESPONSES	
0 to 10MB	0.66%	1
10 to 25MB	7.95%	12
25 to 50MB	19.87%	30
50 to 100MB	22.52%	34
100 to 200MB	35.76%	54
More than 200MB	9.93%	15
I don't know	3.31%	5
TOTAL		151

Q63 What is the cold start time for your application?

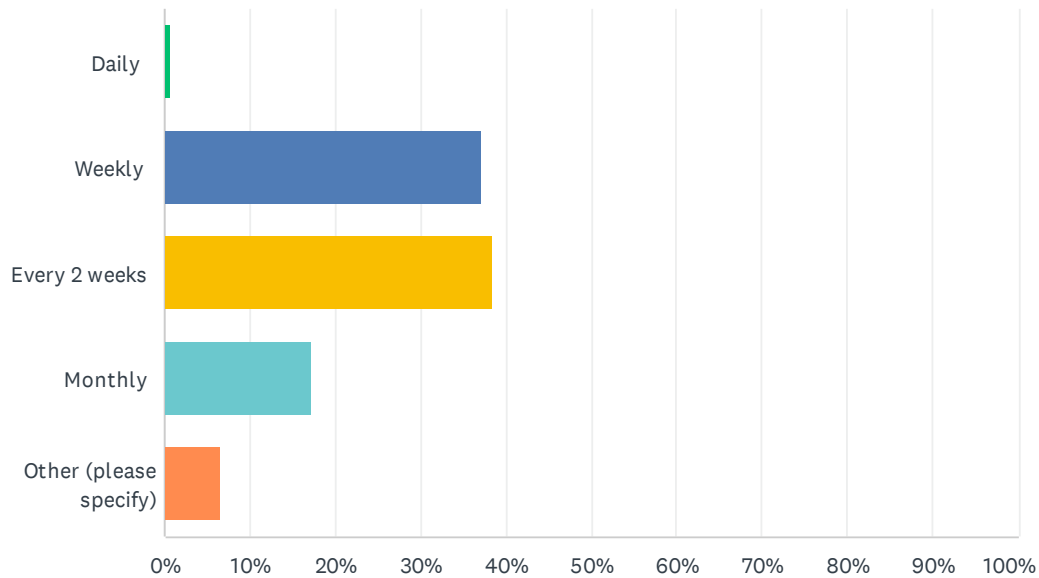
Answered: 149 Skipped: 66



ANSWER CHOICES	RESPONSES	
Less than 0.5s	6.71%	10
0.5s to 1s	30.20%	45
1s to 2s	28.86%	43
2s to 5s	13.42%	20
More than 5s	0.67%	1
I don't know	20.13%	30
TOTAL		149

Q64 How frequently do you release your application to the public?

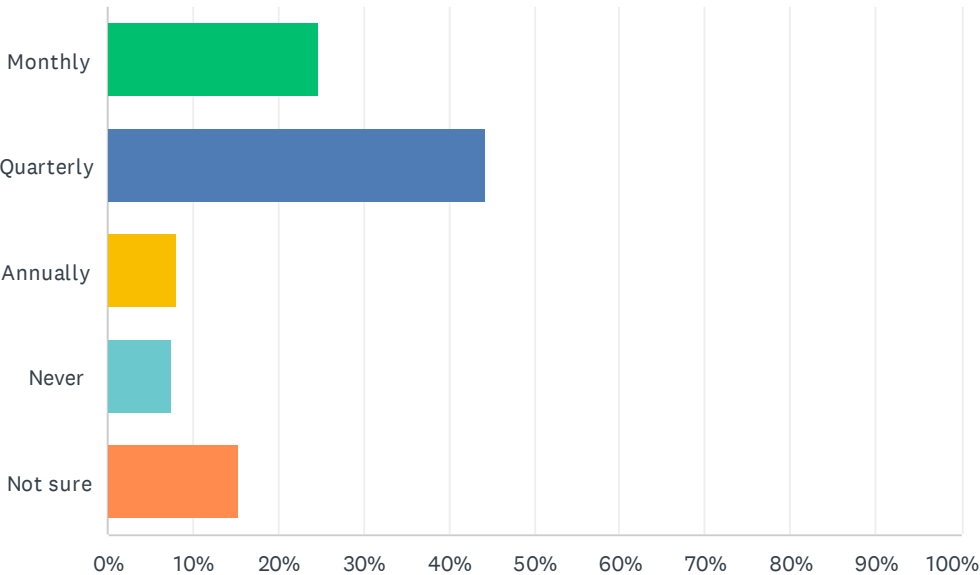
Answered: 151 Skipped: 64



ANSWER CHOICES	RESPONSES	
Daily	0.66%	1
Weekly	37.09%	56
Every 2 weeks	38.41%	58
Monthly	17.22%	26
Other (please specify)	6.62%	10
TOTAL		151

Q65 How frequently do you hotfix your application (perform a release outside your typical schedule)?

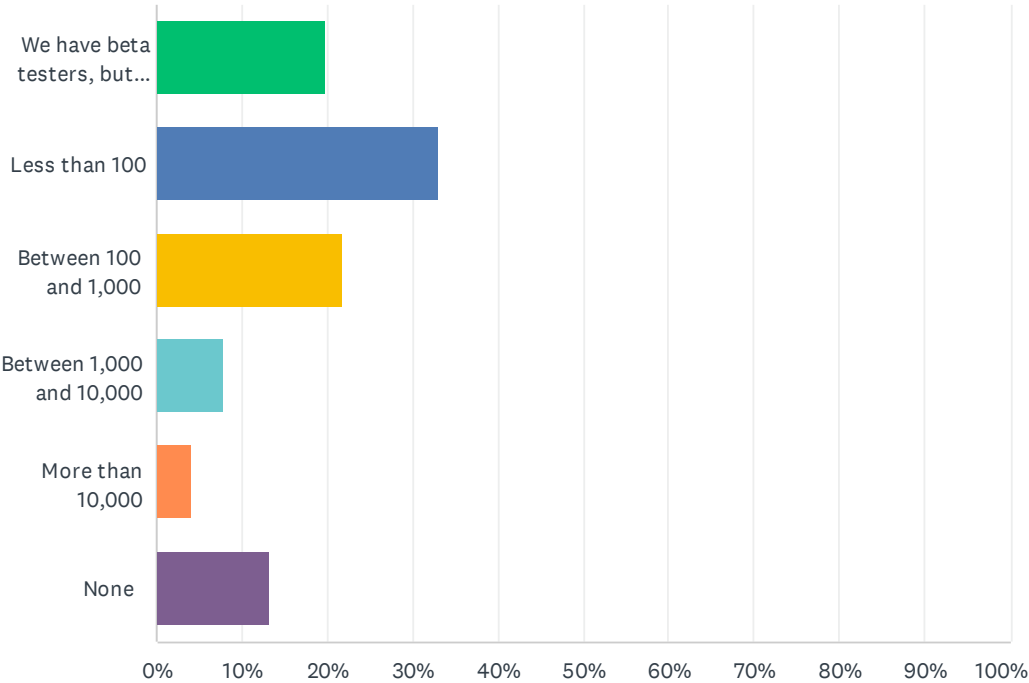
Answered: 149 Skipped: 66



ANSWER CHOICES	RESPONSES	
Monthly	24.83%	37
Quarterly	44.30%	66
Annually	8.05%	12
Never	7.38%	11
Not sure	15.44%	23
TOTAL		149

Q66 How many beta testers do you have?

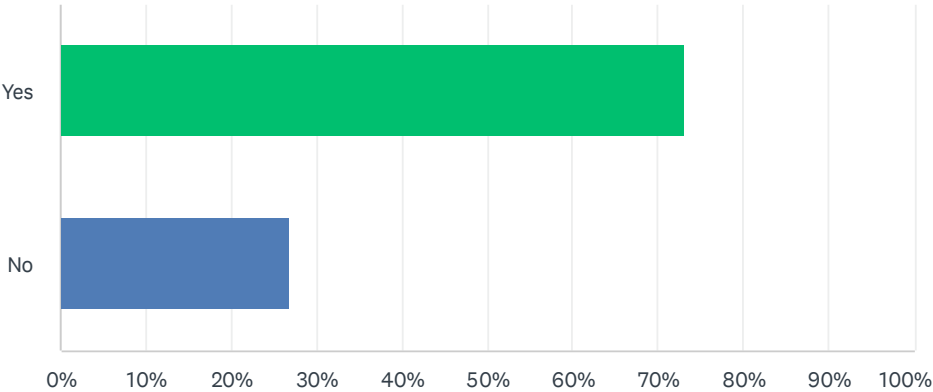
Answered: 151 Skipped: 64



ANSWER CHOICES	RESPONSES	
We have beta testers, but I'm not sure how many	19.87%	30
Less than 100	33.11%	50
Between 100 and 1,000	21.85%	33
Between 1,000 and 10,000	7.95%	12
More than 10,000	3.97%	6
None	13.25%	20
TOTAL		151

Q67 Do you phase in new releases (for example using Apple’s tooling for this)?

Answered: 149 Skipped: 66



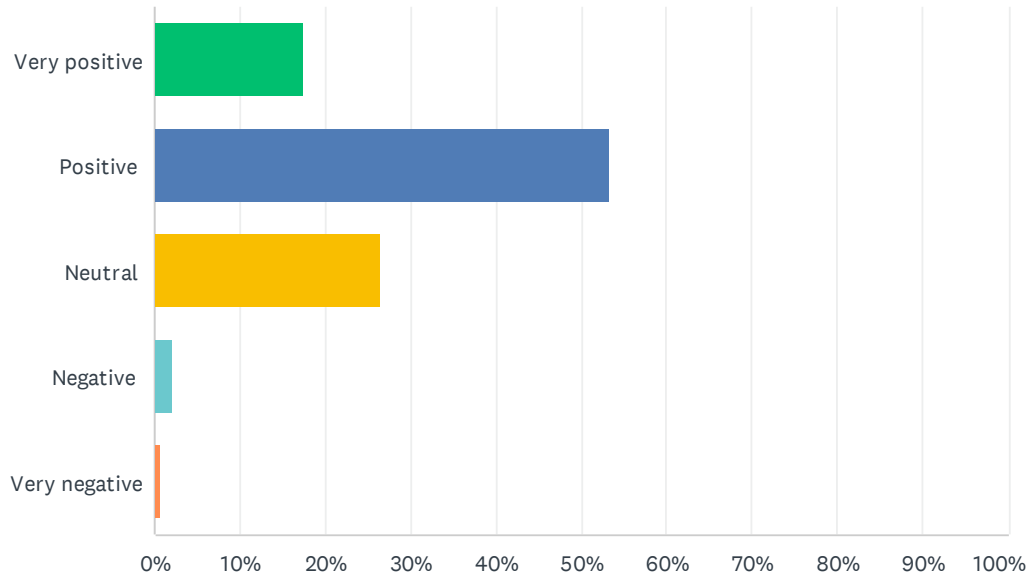
ANSWER CHOICES	RESPONSES	
Yes	73.15%	109
No	26.85%	40
TOTAL		149

Q68 Were there any questions you wished we had asked on this survey?

Answered: 17 Skipped: 198

Q69 After completing this survey, what is your sentiment about this survey, do you expect the results to be useful to you or the broader community?

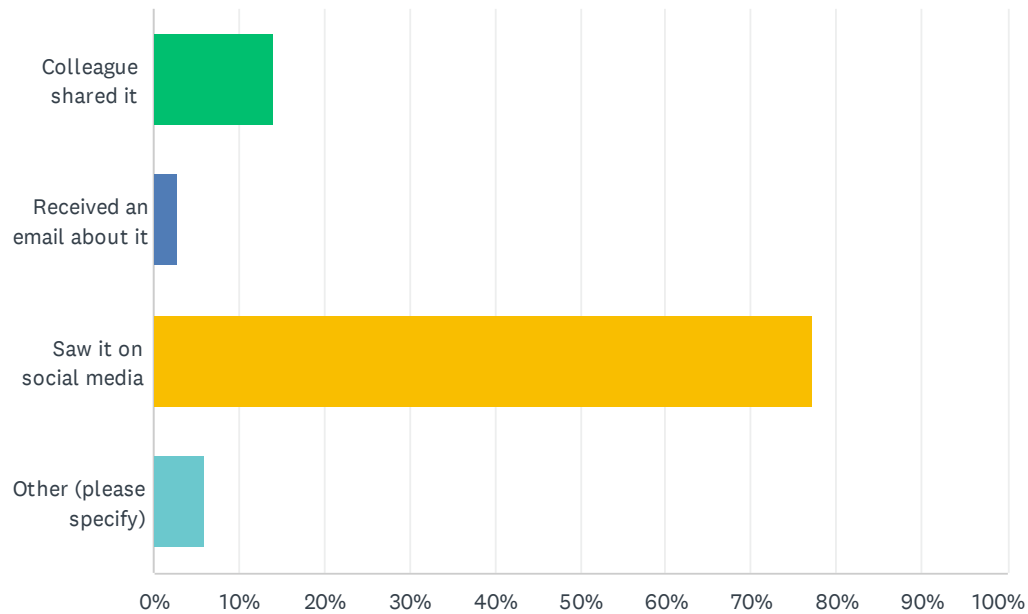
Answered: 148 Skipped: 67



ANSWER CHOICES	RESPONSES	
Very positive	17.57%	26
Positive	53.38%	79
Neutral	26.35%	39
Negative	2.03%	3
Very negative	0.68%	1
TOTAL		148

Q70 How did you find out about this survey?

Answered: 149 Skipped: 66



ANSWER CHOICES	RESPONSES	
Colleague shared it	14.09%	21
Received an email about it	2.68%	4
Saw it on social media	77.18%	115
Other (please specify)	6.04%	9
TOTAL		149

Q71 [Optional] What company do you work for?

Answered: 48 Skipped: 167