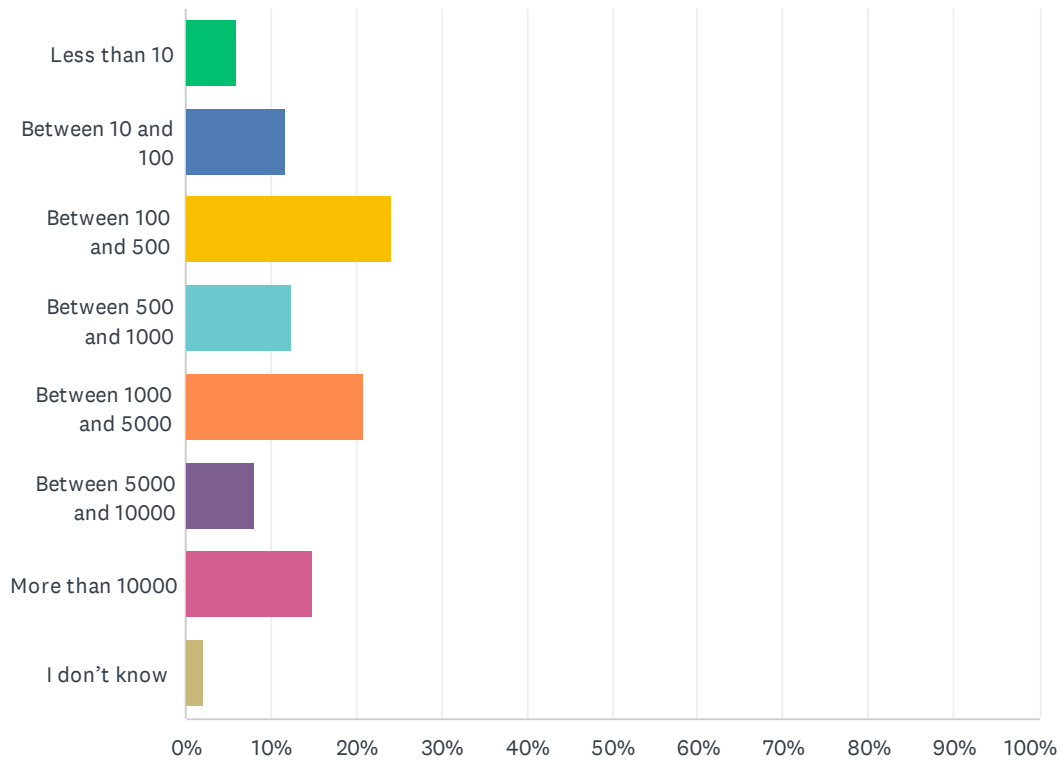


Q1 How many total employees does your company have?

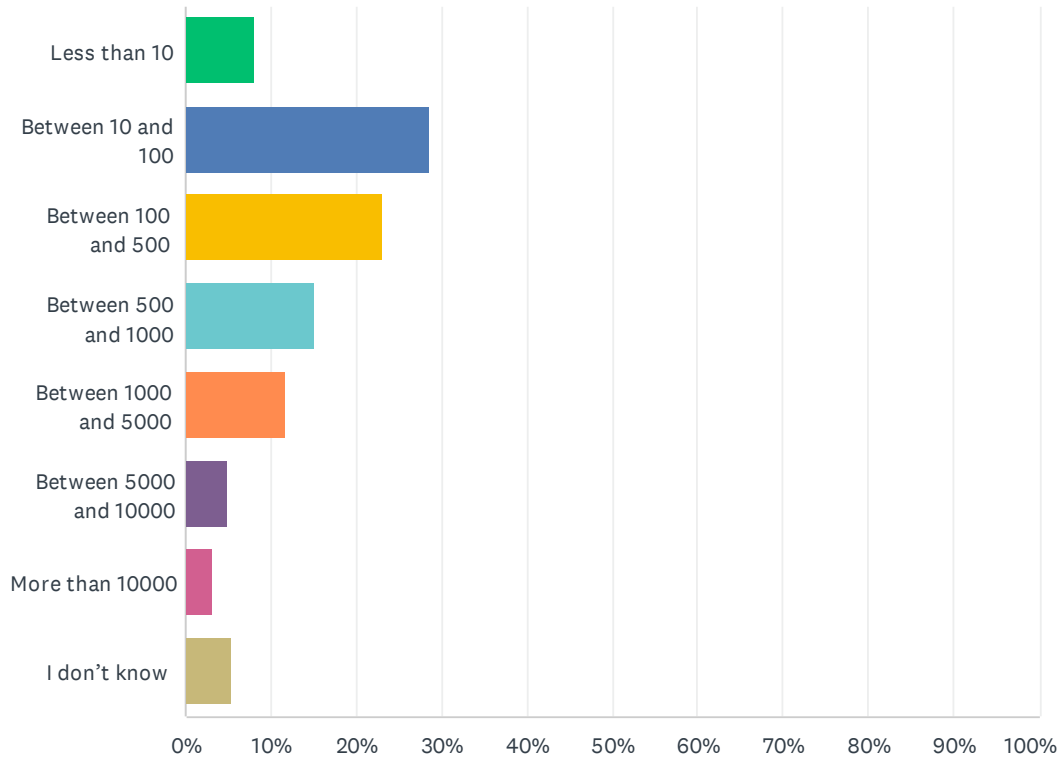
Answered: 187 Skipped: 1



ANSWER CHOICES	RESPONSES	
Less than 10	5.88%	11
Between 10 and 100	11.76%	22
Between 100 and 500	24.06%	45
Between 500 and 1000	12.30%	23
Between 1000 and 5000	20.86%	39
Between 5000 and 10000	8.02%	15
More than 10000	14.97%	28
I don't know	2.14%	4
TOTAL		187

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

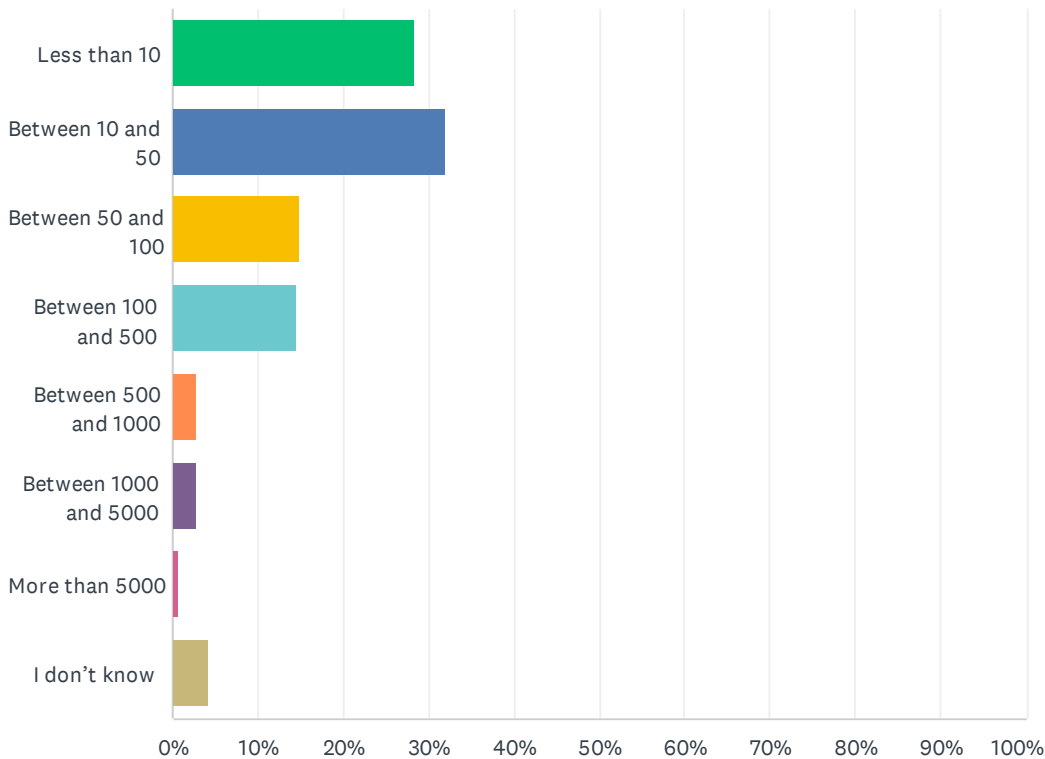
Answered: 186 Skipped: 2



ANSWER CHOICES	RESPONSES	
Less than 10	8.06%	15
Between 10 and 100	28.49%	53
Between 100 and 500	23.12%	43
Between 500 and 1000	15.05%	28
Between 1000 and 5000	11.83%	22
Between 5000 and 10000	4.84%	9
More than 10000	3.23%	6
I don't know	5.38%	10
TOTAL		186

Q3 How many mobile engineers does your company have?

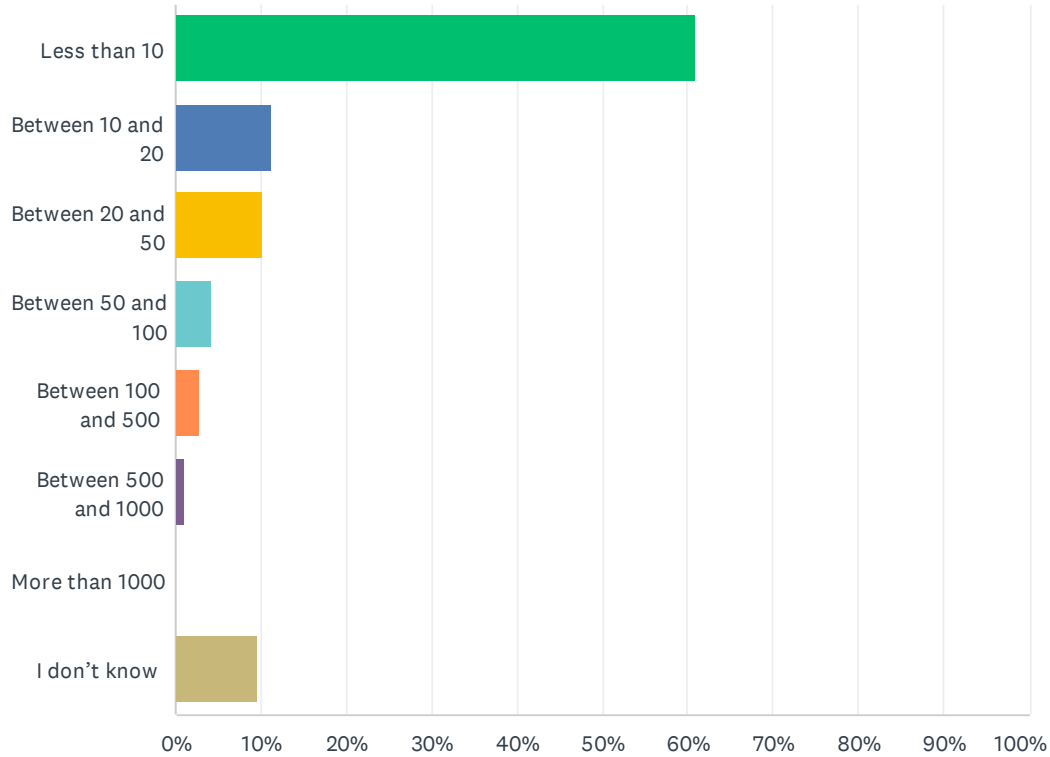
Answered: 187 Skipped: 1



ANSWER CHOICES	RESPONSES	
Less than 10	28.34%	53
Between 10 and 50	32.09%	60
Between 50 and 100	14.97%	28
Between 100 and 500	14.44%	27
Between 500 and 1000	2.67%	5
Between 1000 and 5000	2.67%	5
More than 5000	0.53%	1
I don't know	4.28%	8
TOTAL		187

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

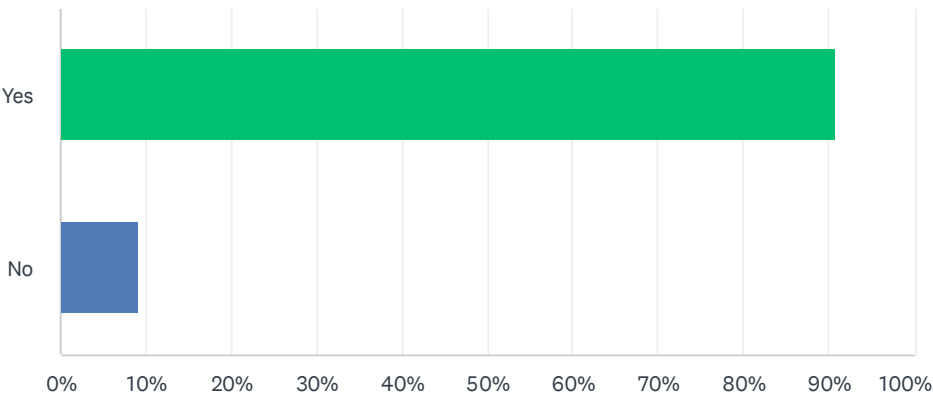
Answered: 187 Skipped: 1



ANSWER CHOICES	RESPONSES	
Less than 10	60.96%	114
Between 10 and 20	11.23%	21
Between 20 and 50	10.16%	19
Between 50 and 100	4.28%	8
Between 100 and 500	2.67%	5
Between 500 and 1000	1.07%	2
More than 1000	0.00%	0
I don't know	9.63%	18
TOTAL		187

Q5 Does your company provide office space to its employees?

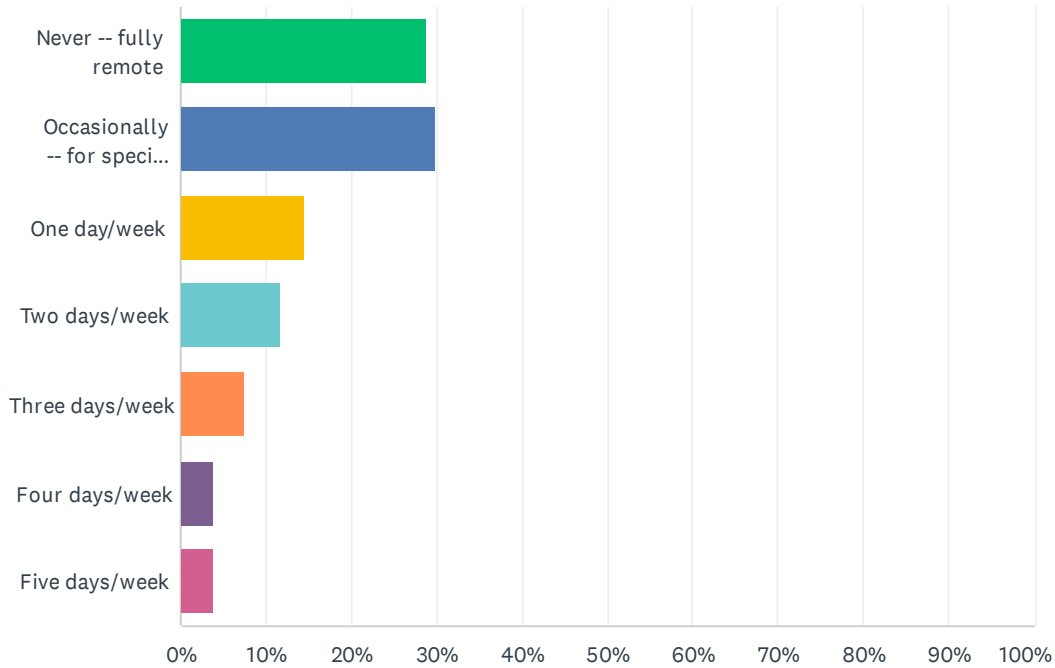
Answered: 187 Skipped: 1



ANSWER CHOICES	RESPONSES	
Yes	90.91%	170
No	9.09%	17
TOTAL		187

Q6 How often do you go into an office?

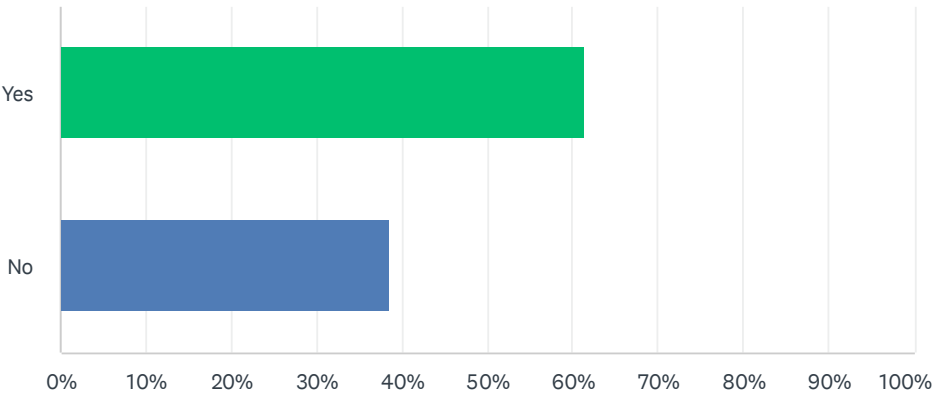
Answered: 187 Skipped: 1



ANSWER CHOICES	RESPONSES	
Never -- fully remote	28.88%	54
Occasionally -- for specific meetings, team activities. May include travel	29.95%	56
One day/week	14.44%	27
Two days/week	11.76%	22
Three days/week	7.49%	14
Four days/week	3.74%	7
Five days/week	3.74%	7
TOTAL		187

Q7 Does your company adjust pay based on location?

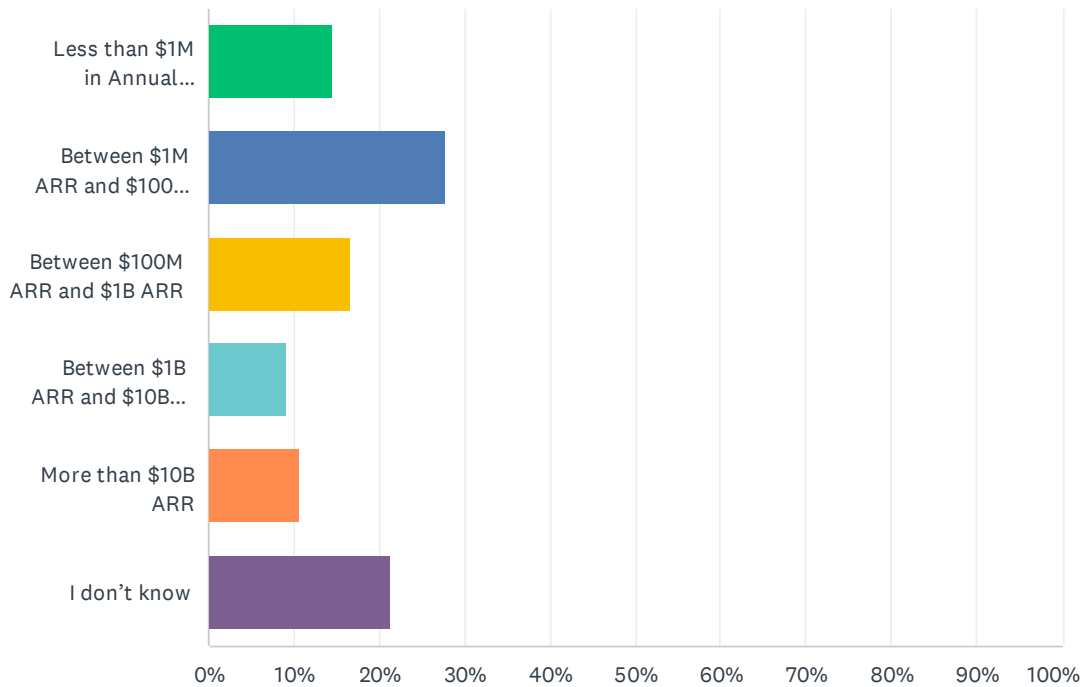
Answered: 187 Skipped: 1



ANSWER CHOICES	RESPONSES	
Yes	61.50%	115
No	38.50%	72
TOTAL		187

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

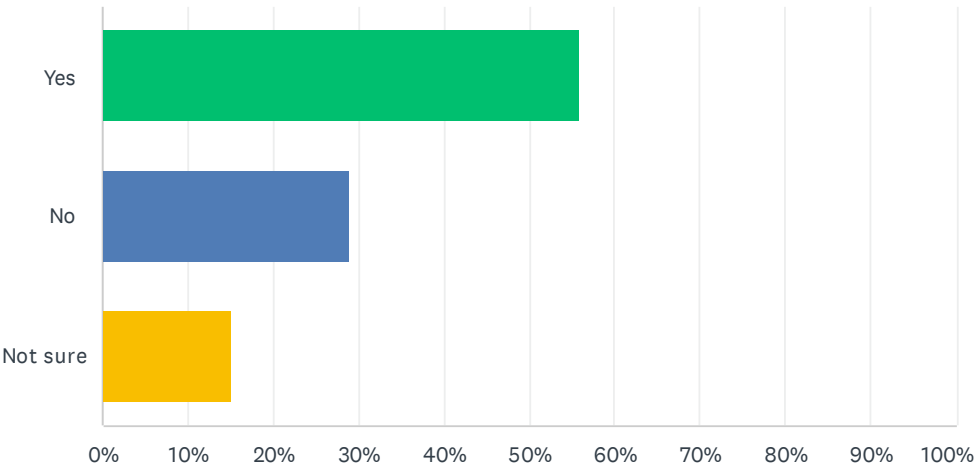
Answered: 187 Skipped: 1



ANSWER CHOICES	RESPONSES	
Less than \$1M in Annual Recurring Revenue (ARR)	14.44%	27
Between \$1M ARR and \$100M ARR	27.81%	52
Between \$100M ARR and \$1B ARR	16.58%	31
Between \$1B ARR and \$10B ARR	9.09%	17
More than \$10B ARR	10.70%	20
I don't know	21.39%	40
TOTAL		187

Q9 Do you consider your company to be engineering driven?

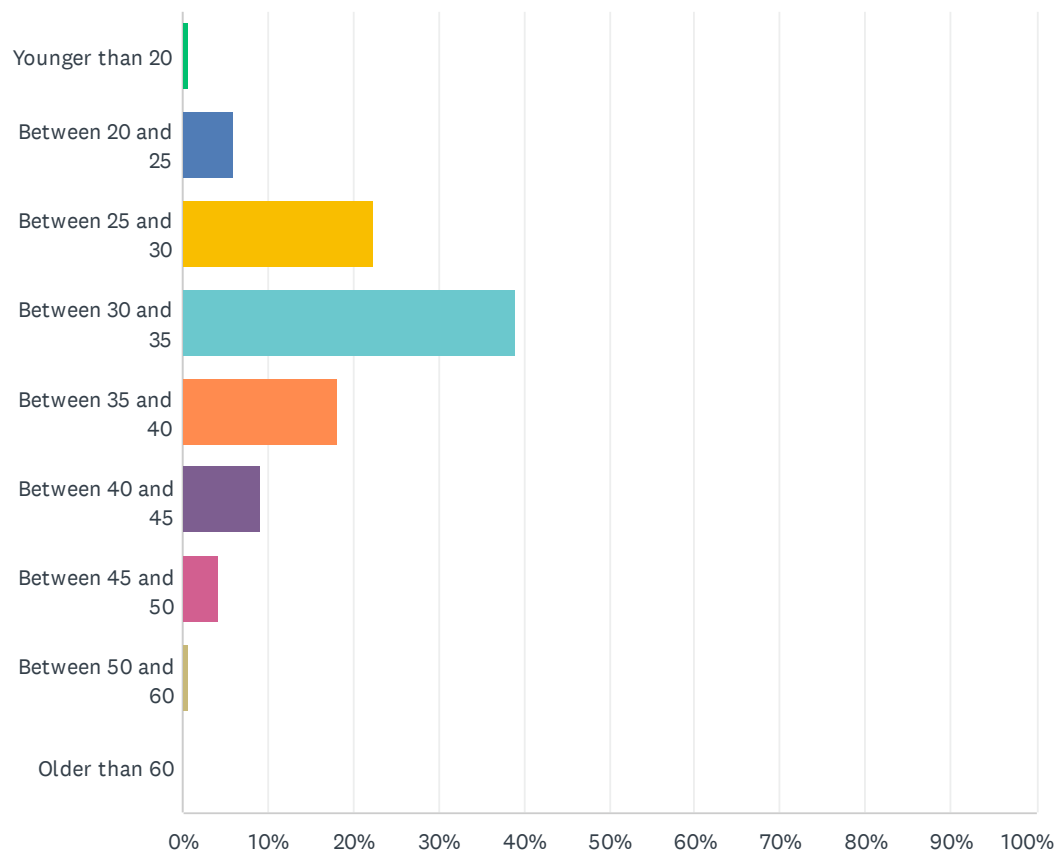
Answered: 186 Skipped: 2



ANSWER CHOICES		RESPONSES	
Yes		55.91%	104
No		29.03%	54
Not sure		15.05%	28
TOTAL			186

Q10 How old are you?

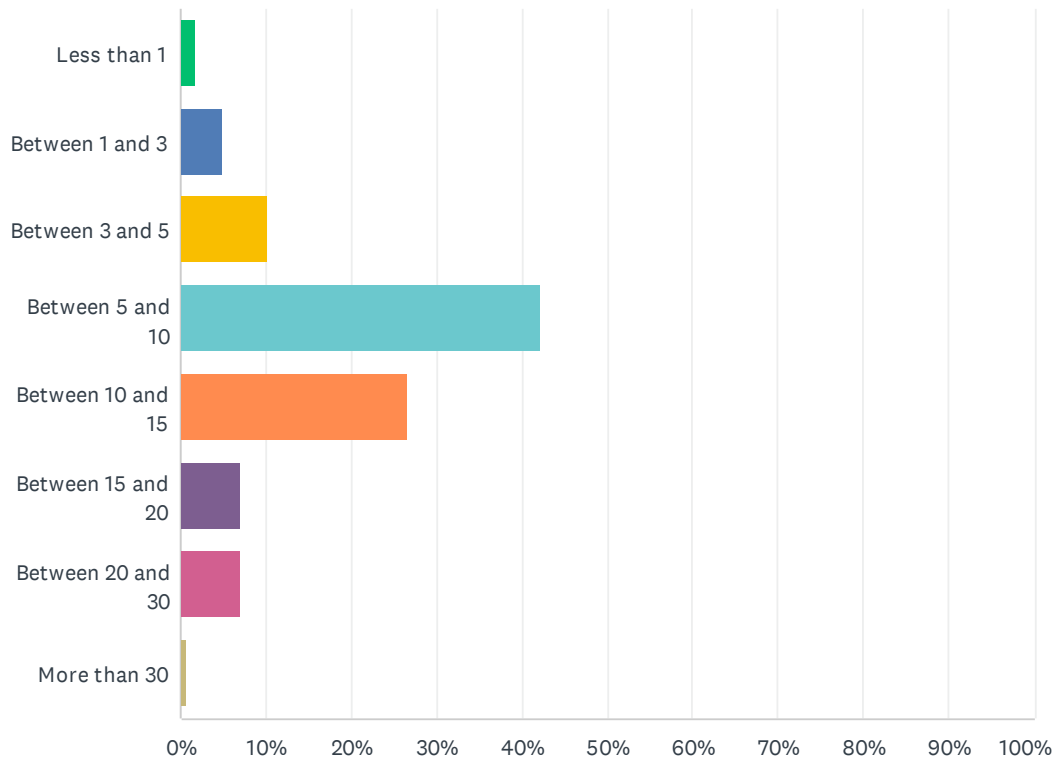
Answered: 187 Skipped: 1



ANSWER CHOICES	RESPONSES	
Younger than 20	0.53%	1
Between 20 and 25	5.88%	11
Between 25 and 30	22.46%	42
Between 30 and 35	39.04%	73
Between 35 and 40	18.18%	34
Between 40 and 45	9.09%	17
Between 45 and 50	4.28%	8
Between 50 and 60	0.53%	1
Older than 60	0.00%	0
TOTAL		187

Q11 How many years have you been a software engineer?

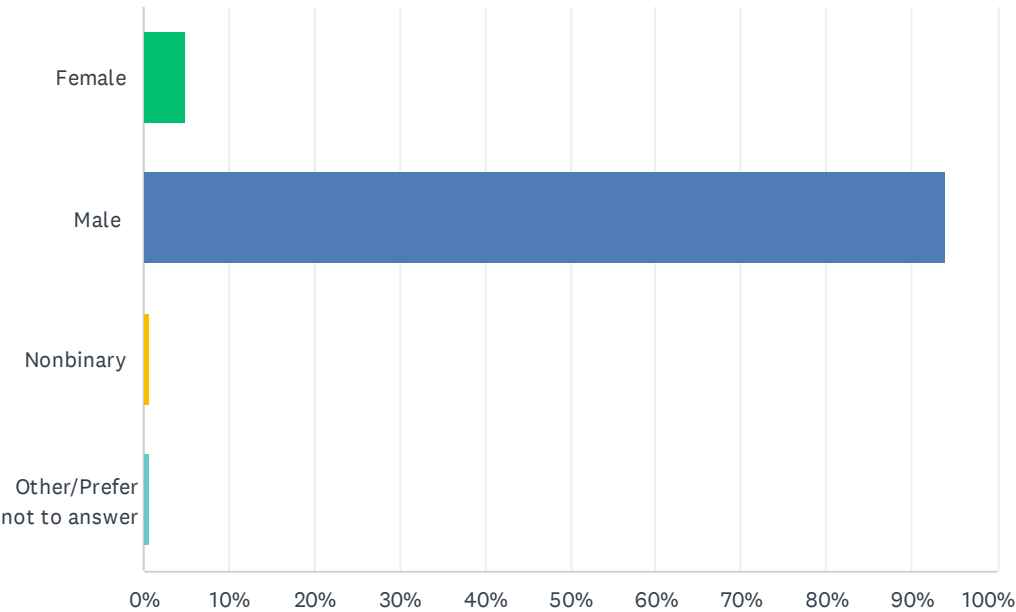
Answered: 187 Skipped: 1



ANSWER CHOICES	RESPONSES	
Less than 1	1.60%	3
Between 1 and 3	4.81%	9
Between 3 and 5	10.16%	19
Between 5 and 10	42.25%	79
Between 10 and 15	26.74%	50
Between 15 and 20	6.95%	13
Between 20 and 30	6.95%	13
More than 30	0.53%	1
TOTAL		187

Q12 What is your gender?

Answered: 187 Skipped: 1



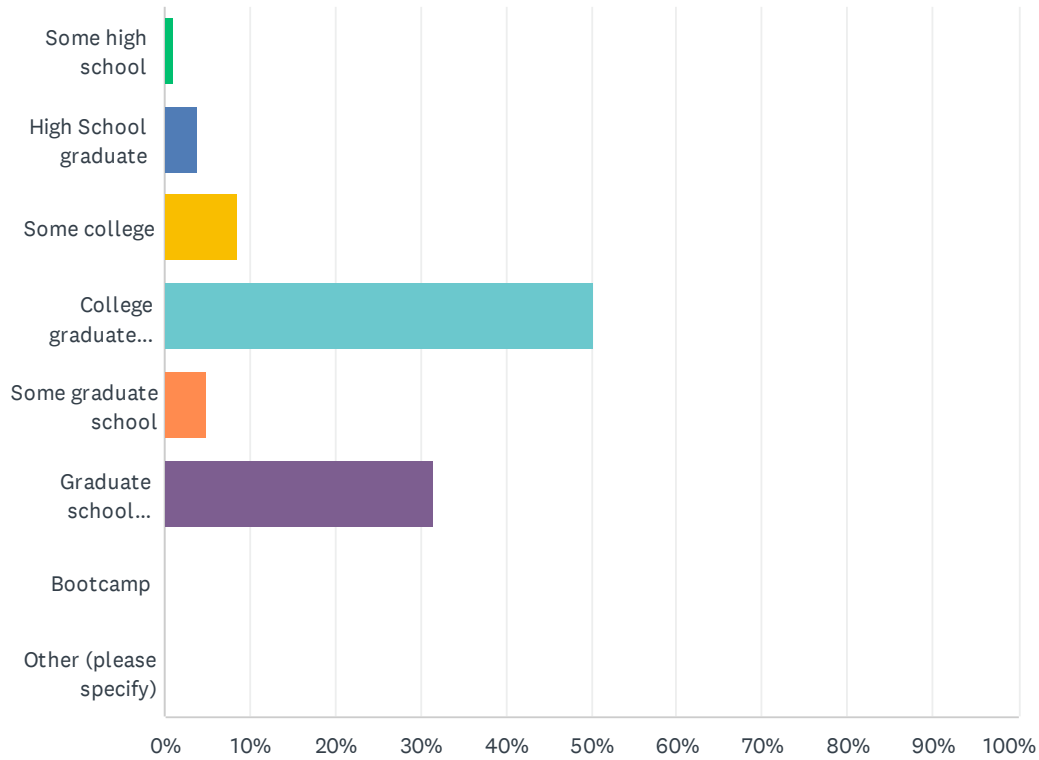
ANSWER CHOICES	RESPONSES	
Female	4.81%	9
Male	94.12%	176
Nonbinary	0.53%	1
Other/Prefer not to answer	0.53%	1
TOTAL		187

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

Answered: 176 Skipped: 12

Q14 What is your highest level of education?

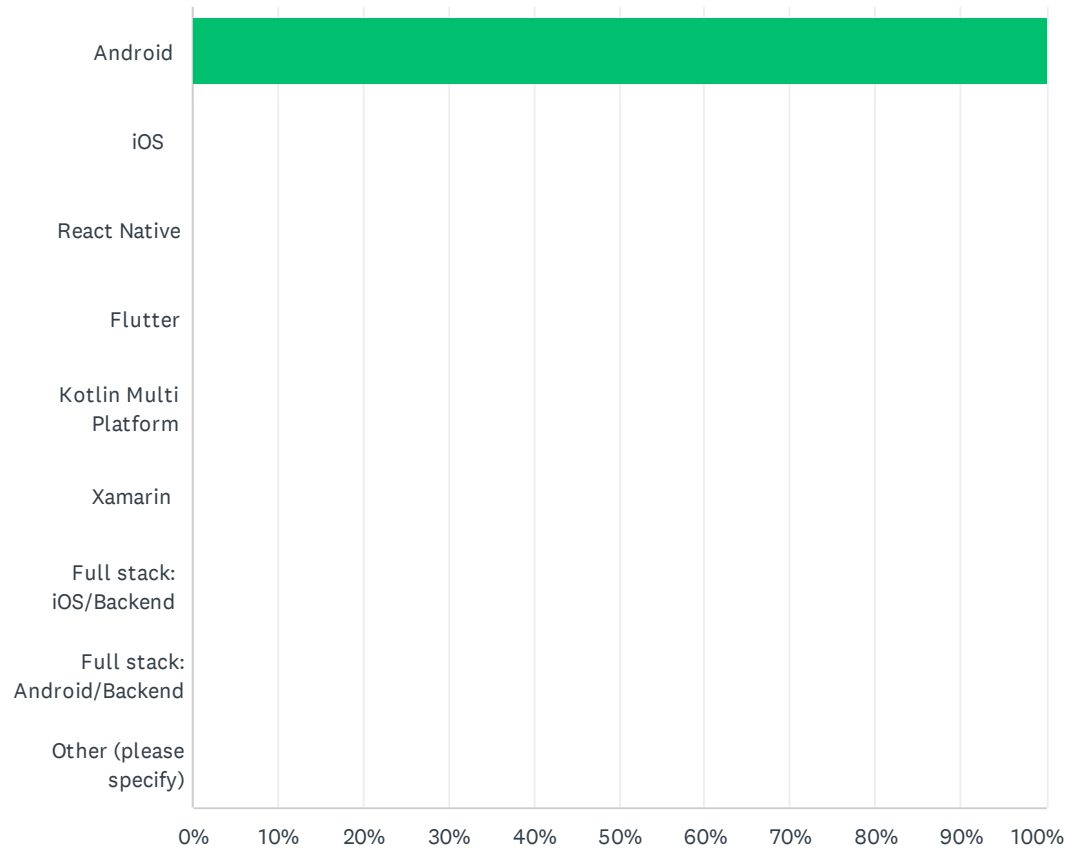
Answered: 187 Skipped: 1



ANSWER CHOICES	RESPONSES	
Some high school	1.07%	2
High School graduate	3.74%	7
Some college	8.56%	16
College graduate (Bachelor's or equivalent)	50.27%	94
Some graduate school	4.81%	9
Graduate school (Master's, PHD, or equivalent)	31.55%	59
Bootcamp	0.00%	0
Other (please specify)	0.00%	0
TOTAL		187

Q15 What platform do you primarily work on?

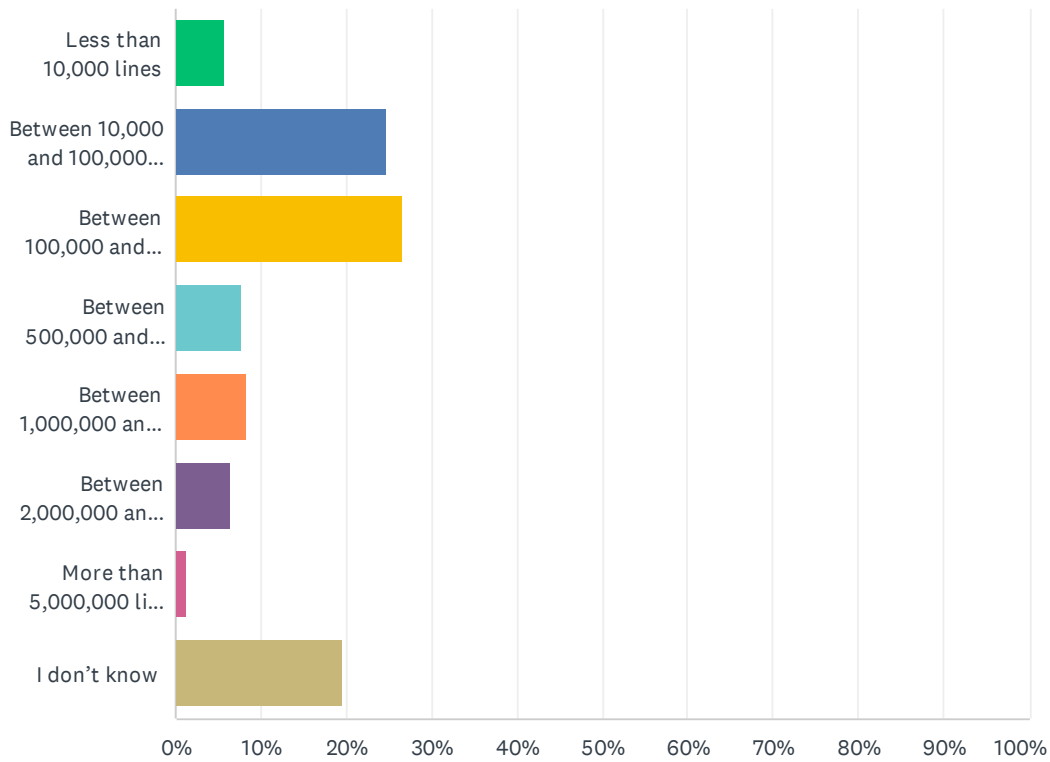
Answered: 188 Skipped: 0



ANSWER CHOICES	RESPONSES	
Android	100.00%	188
iOS	0.00%	0
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		188

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

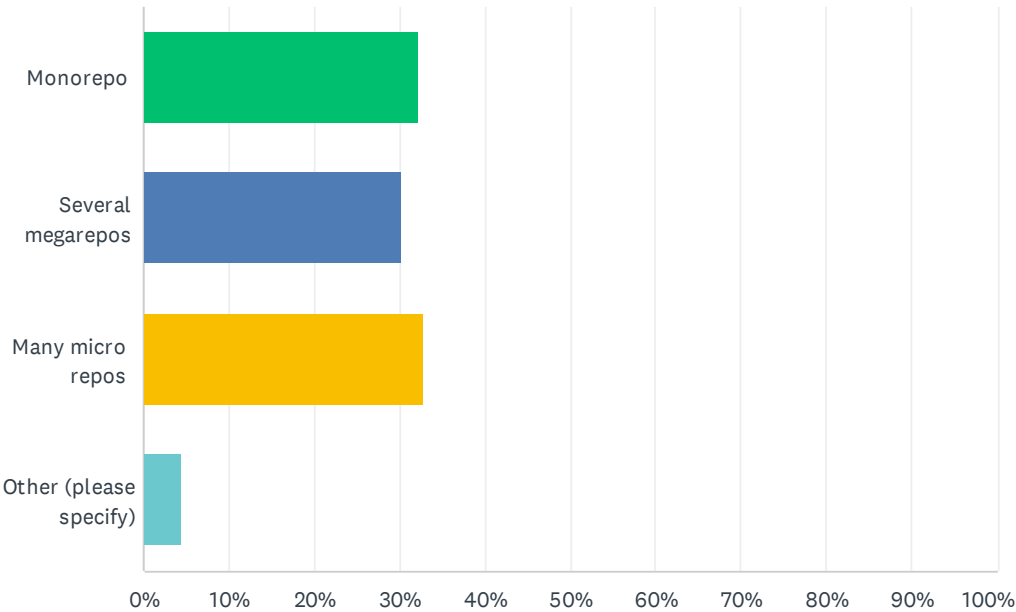
Answered: 158 Skipped: 30



ANSWER CHOICES	RESPONSES	
Less than 10,000 lines	5.70%	9
Between 10,000 and 100,000 lines	24.68%	39
Between 100,000 and 500,000 lines	26.58%	42
Between 500,000 and 1,000,000 lines	7.59%	12
Between 1,000,000 and 2,000,000 lines	8.23%	13
Between 2,000,000 and 5,000,000 lines	6.33%	10
More than 5,000,000 lines of code	1.27%	2
I don't know	19.62%	31
TOTAL		158

Q17 How does your company organize code?

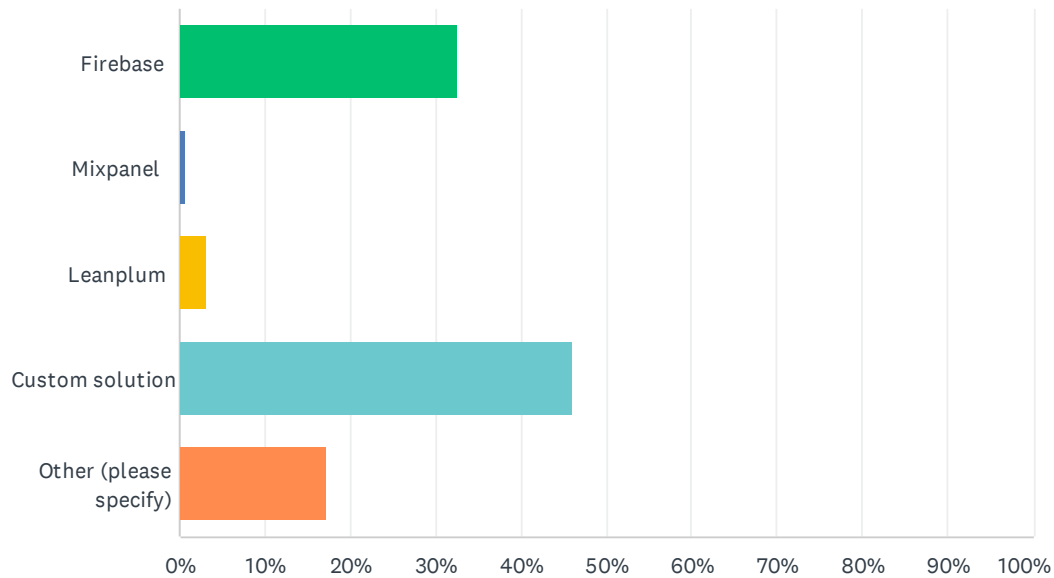
Answered: 158 Skipped: 30



ANSWER CHOICES	RESPONSES	
Monorepo	32.28%	51
Several megarepos	30.38%	48
Many micro repos	32.91%	52
Other (please specify)	4.43%	7
TOTAL		158

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

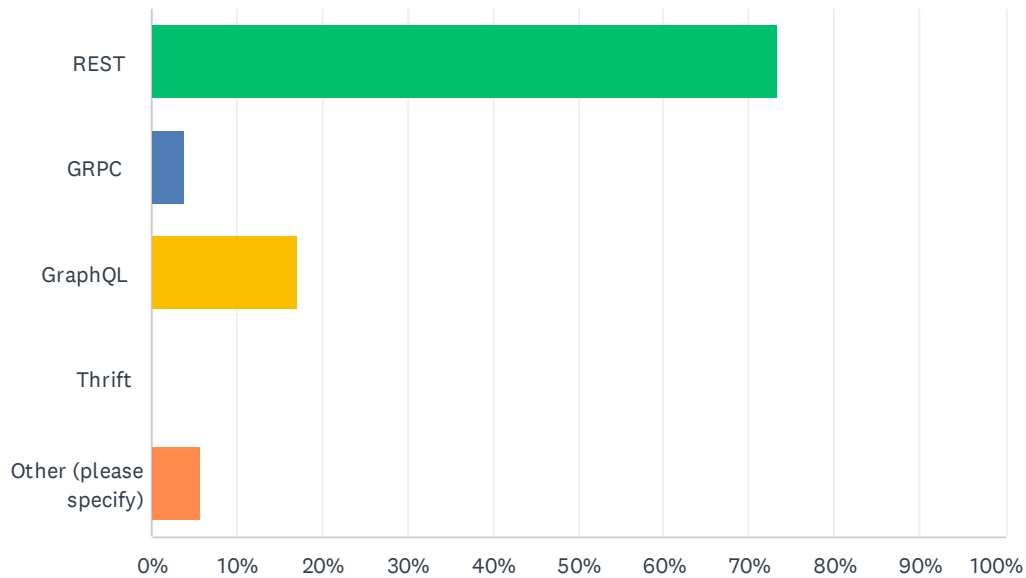
Answered: 156 Skipped: 32



ANSWER CHOICES	RESPONSES	
Firebase	32.69%	51
Mixpanel	0.64%	1
Leanplum	3.21%	5
Custom solution	46.15%	72
Other (please specify)	17.31%	27
TOTAL		156

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

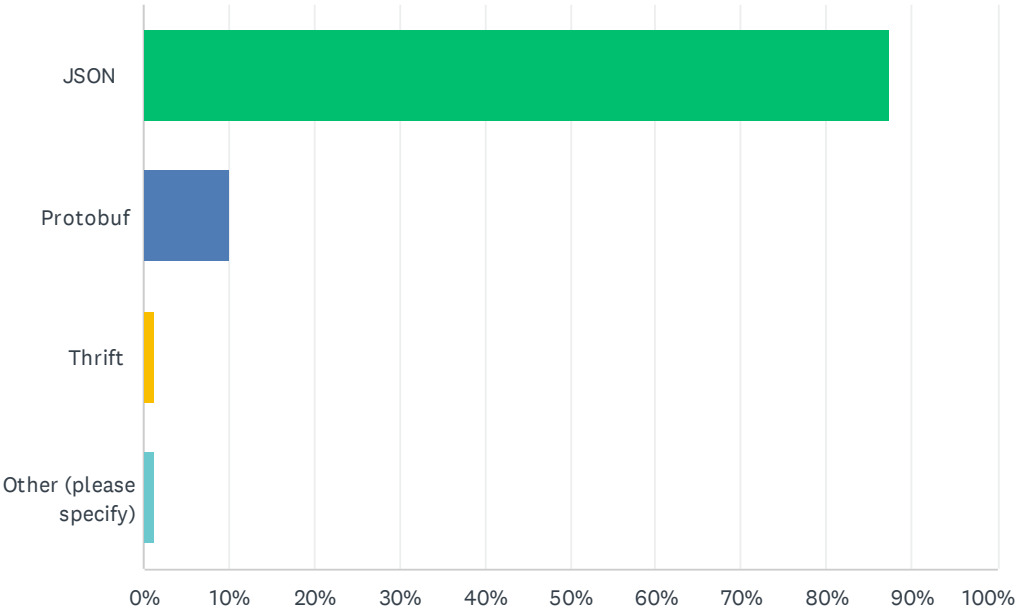
Answered: 158 Skipped: 30



ANSWER CHOICES	RESPONSES	
REST	73.42%	116
GRPC	3.80%	6
GraphQL	17.09%	27
Thrift	0.00%	0
Other (please specify)	5.70%	9
TOTAL		158

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

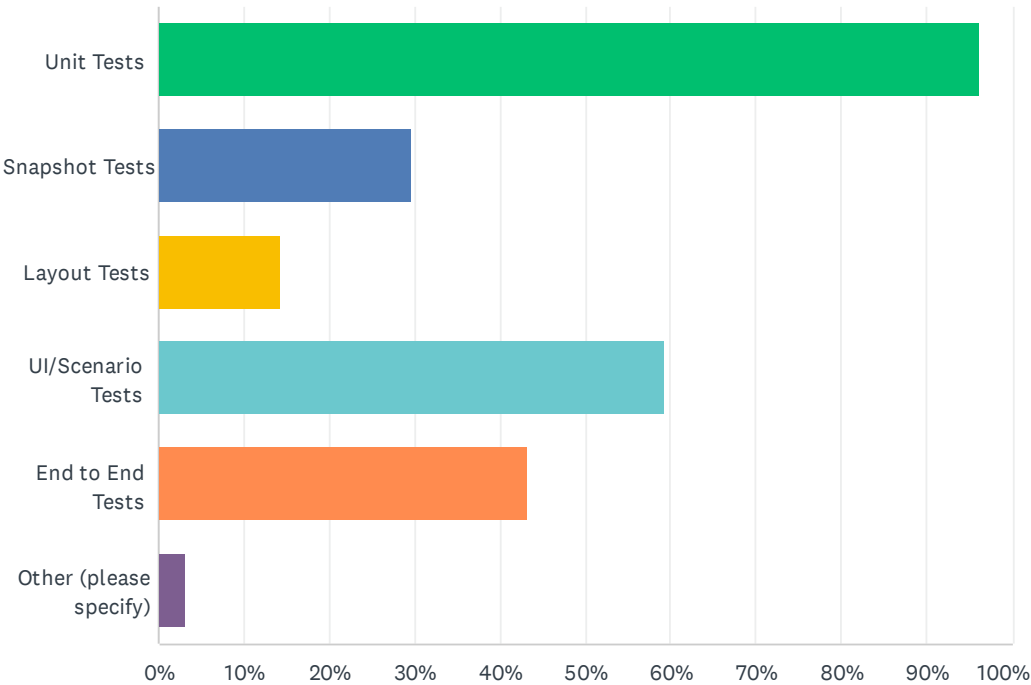
Answered: 158 Skipped: 30



ANSWER CHOICES	RESPONSES	
JSON	87.34%	138
Protobuf	10.13%	16
Thrift	1.27%	2
Other (please specify)	1.27%	2
TOTAL		158

Q21 How do you automate testing of your application?

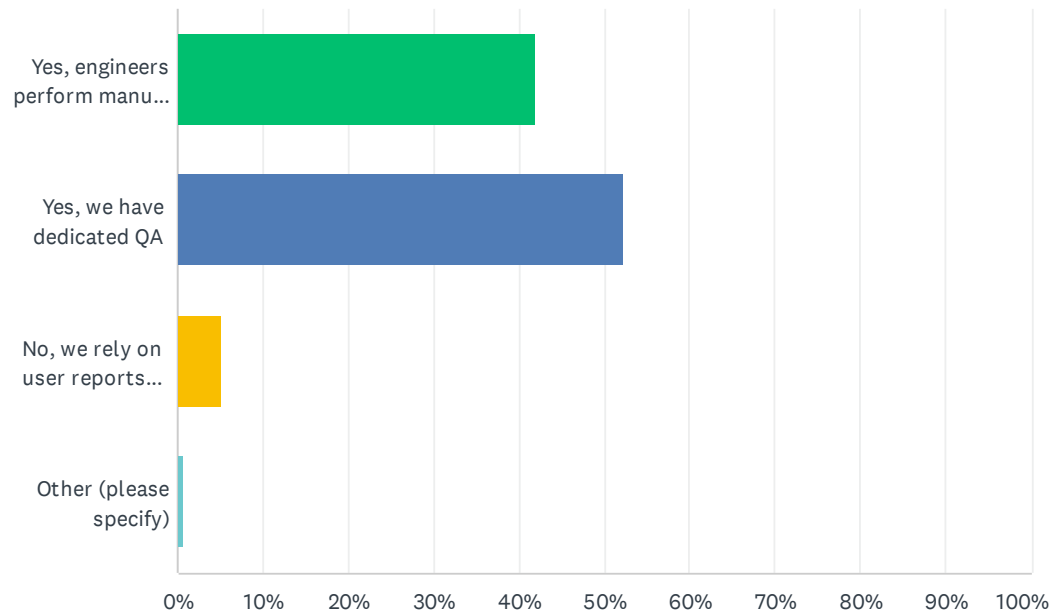
Answered: 155 Skipped: 33



ANSWER CHOICES	RESPONSES	
Unit Tests	96.13%	149
Snapshot Tests	29.68%	46
Layout Tests	14.19%	22
UI/Scenario Tests	59.35%	92
End to End Tests	43.23%	67
Other (please specify)	3.23%	5
Total Respondents: 155		

Q22 Do you perform manual testing?

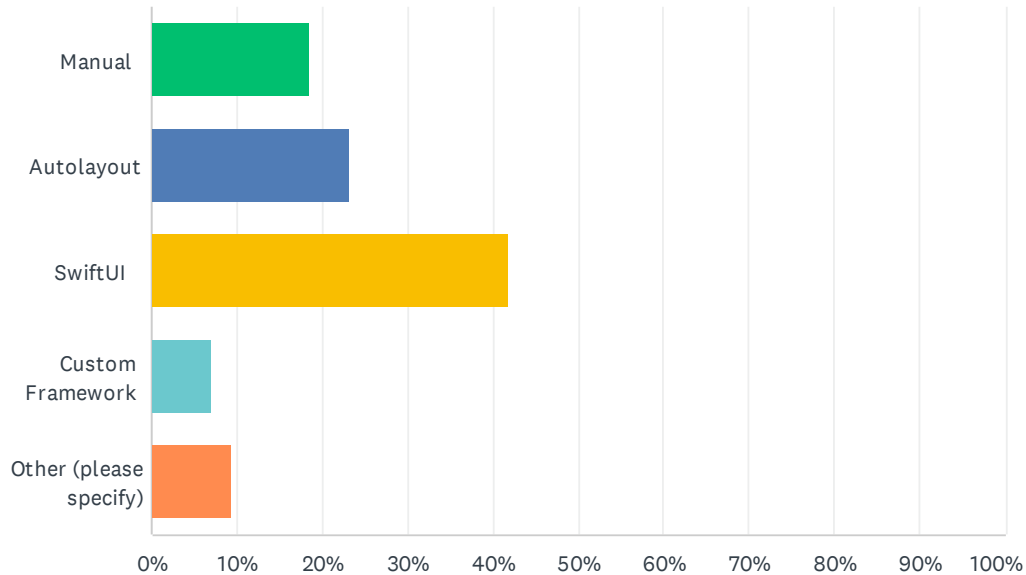
Answered: 157 Skipped: 31



ANSWER CHOICES	RESPONSES	
Yes, engineers perform manual testing on their work	42.04%	66
Yes, we have dedicated QA	52.23%	82
No, we rely on user reports for new issues	5.10%	8
Other (please specify)	0.64%	1
TOTAL		157

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

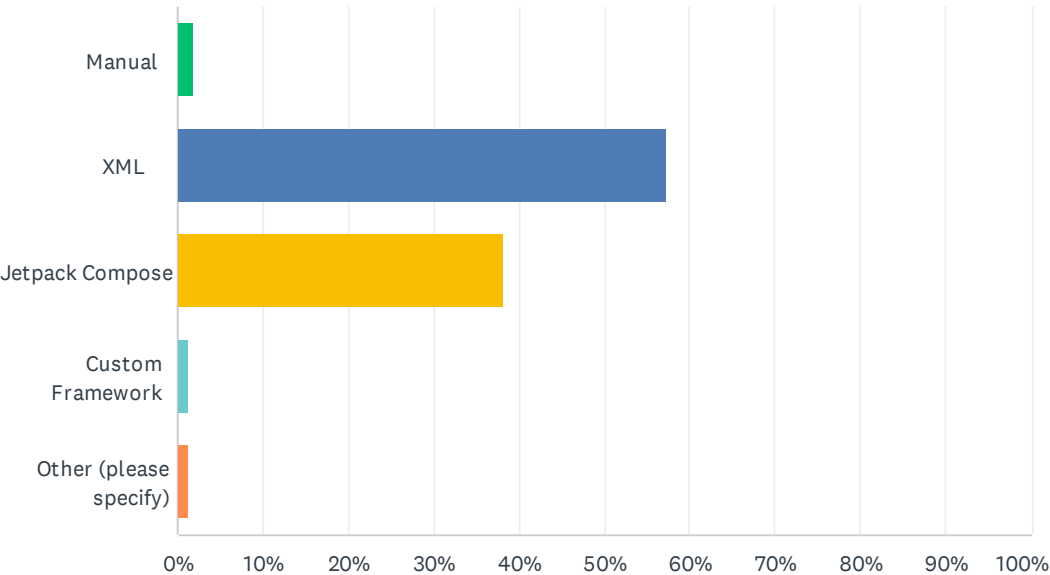
Answered: 43 Skipped: 145



ANSWER CHOICES	RESPONSES	
Manual	18.60%	8
Autolayout	23.26%	10
SwiftUI	41.86%	18
Custom Framework	6.98%	3
Other (please specify)	9.30%	4
TOTAL		43

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

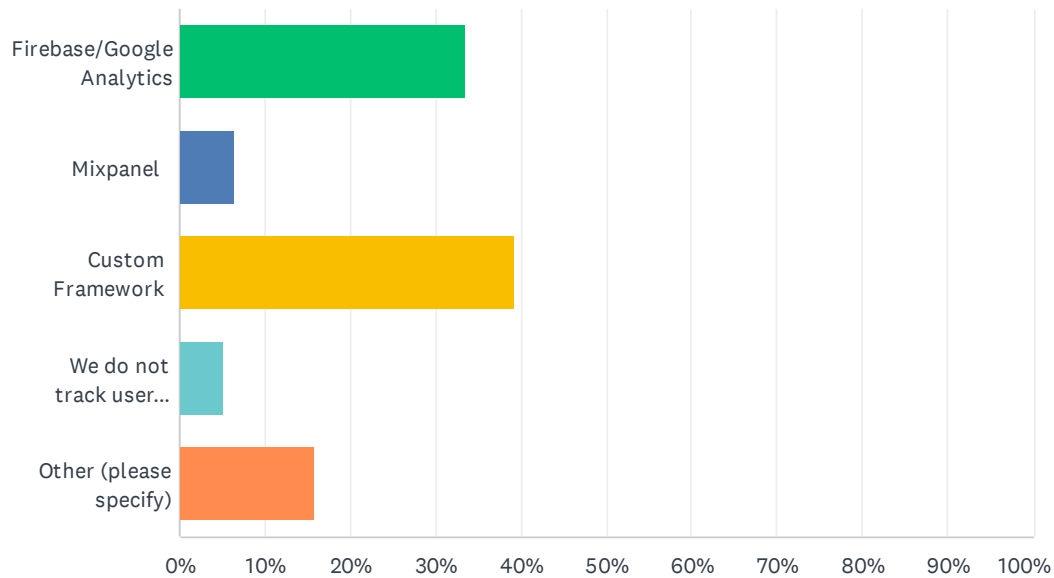
Answered: 157 Skipped: 31



ANSWER CHOICES	RESPONSES	
Manual	1.91%	3
XML	57.32%	90
Jetpack Compose	38.22%	60
Custom Framework	1.27%	2
Other (please specify)	1.27%	2
TOTAL		157

Q25 How do you track user actions in your application?

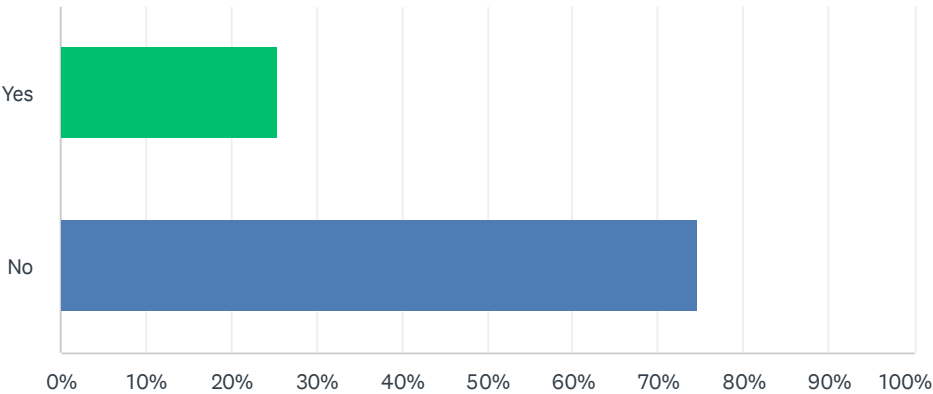
Answered: 158 Skipped: 30



ANSWER CHOICES	RESPONSES	
Firebase/Google Analytics	33.54%	53
Mixpanel	6.33%	10
Custom Framework	39.24%	62
We do not track user actions	5.06%	8
Other (please specify)	15.82%	25
TOTAL		158

Q26 Do you measure developer productivity?

Answered: 158 Skipped: 30



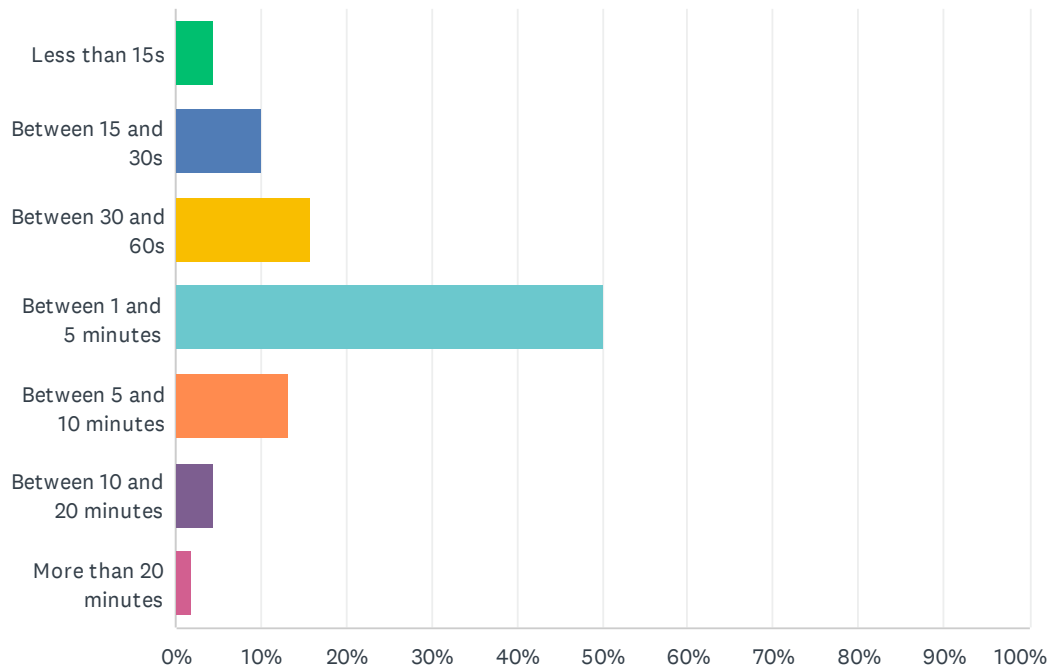
ANSWER CHOICES	RESPONSES	
Yes	25.32%	40
No	74.68%	118
TOTAL		158

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

Answered: 28 Skipped: 160

Q28 What are your average local build times?

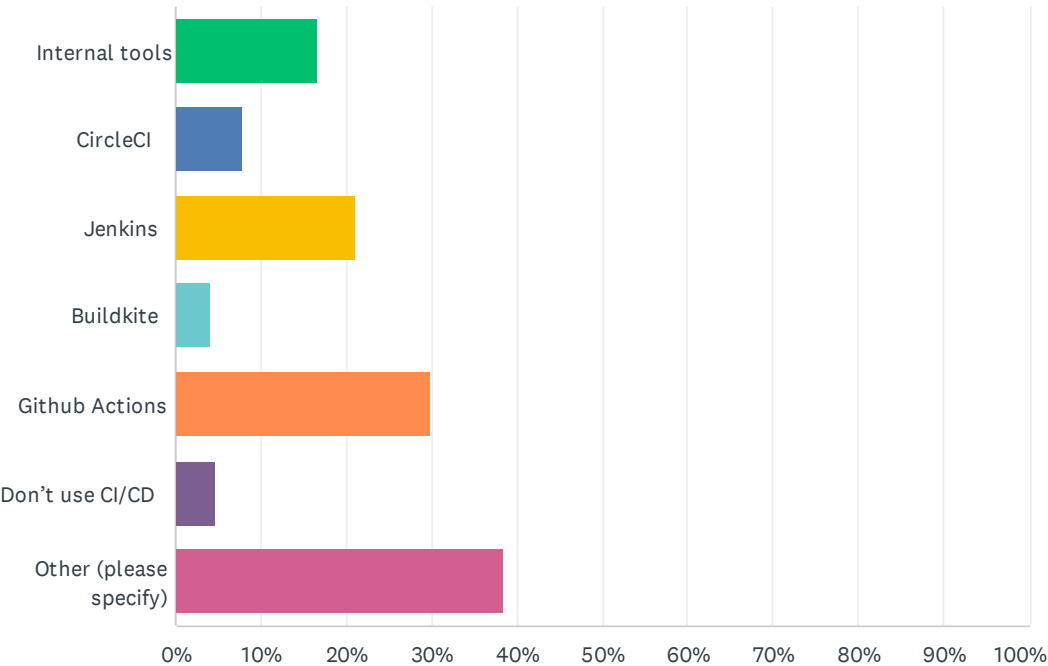
Answered: 158 Skipped: 30



ANSWER CHOICES	RESPONSES	
Less than 15s	4.43%	7
Between 15 and 30s	10.13%	16
Between 30 and 60s	15.82%	25
Between 1 and 5 minutes	50.00%	79
Between 5 and 10 minutes	13.29%	21
Between 10 and 20 minutes	4.43%	7
More than 20 minutes	1.90%	3
TOTAL		158

Q29 What do you use for CI/CD?

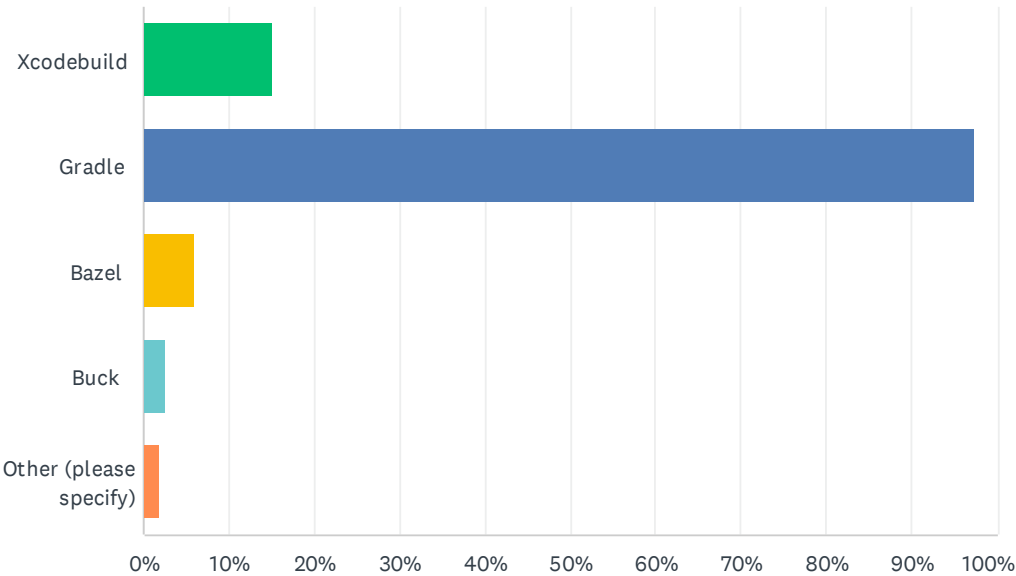
Answered: 151 Skipped: 37



ANSWER CHOICES	RESPONSES	
Internal tools	16.56%	25
CircleCI	7.95%	12
Jenkins	21.19%	32
Buildkite	3.97%	6
Github Actions	29.80%	45
Don't use CI/CD	4.64%	7
Other (please specify)	38.41%	58
Total Respondents: 151		

Q30 What build system do you use?

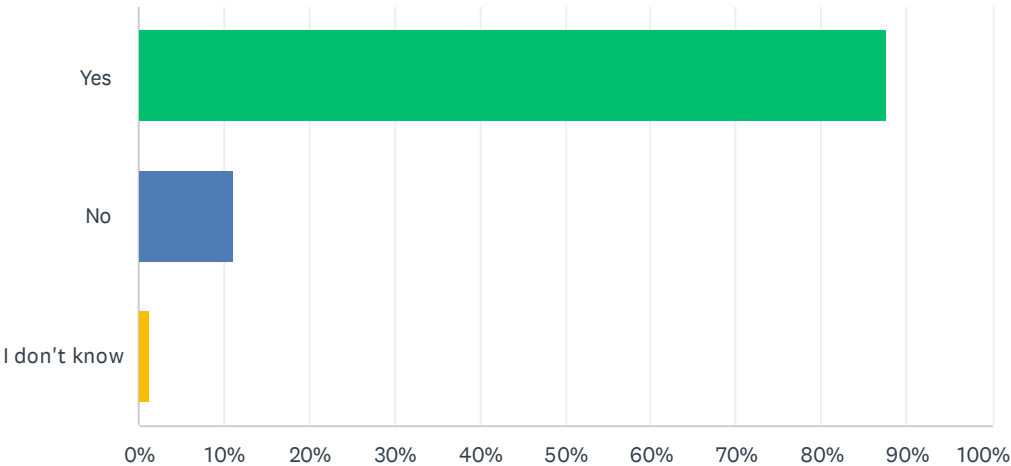
Answered: 152 Skipped: 36



ANSWER CHOICES	RESPONSES	
Xcodebuild	15.13%	23
Gradle	97.37%	148
Bazel	5.92%	9
Buck	2.63%	4
Other (please specify)	1.97%	3
Total Respondents: 152		

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

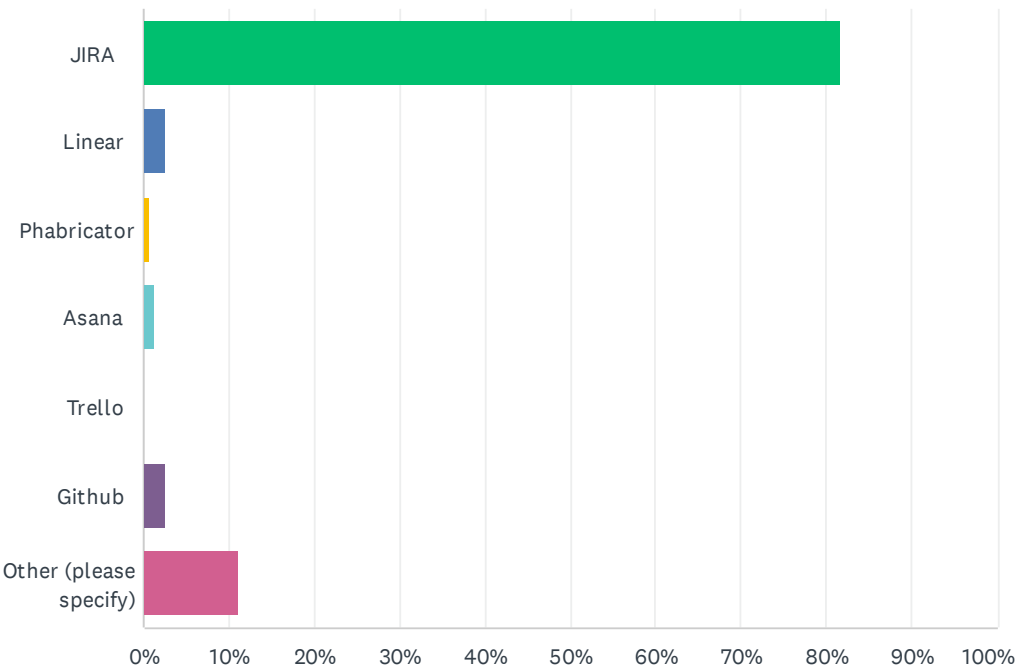
Answered: 153 Skipped: 35



ANSWER CHOICES	RESPONSES	
Yes	87.58%	134
No	11.11%	17
I don't know	1.31%	2
TOTAL		153

Q32 How does your company track issues and tasks?

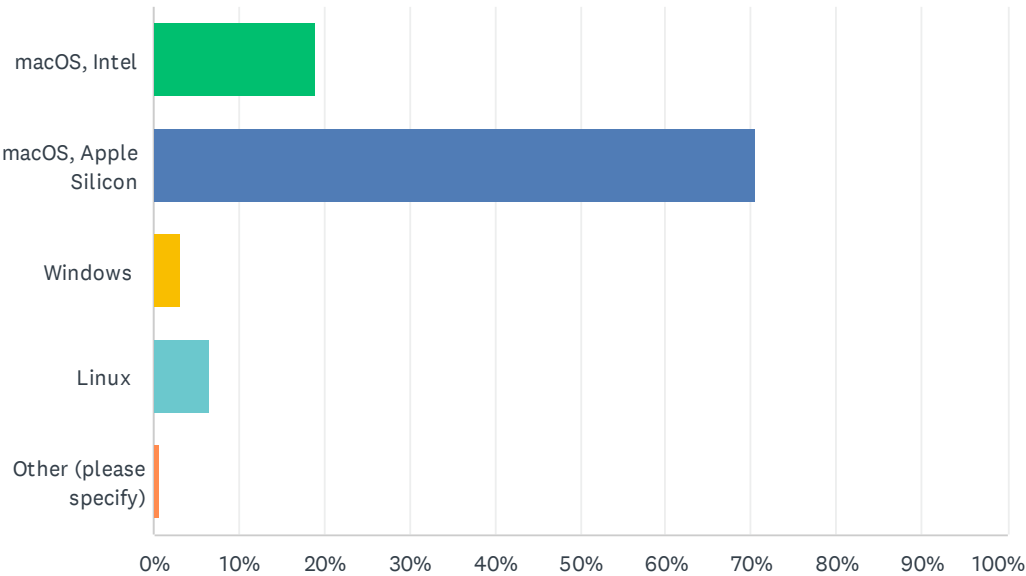
Answered: 153 Skipped: 35



ANSWER CHOICES	RESPONSES	
JIRA	81.70%	125
Linear	2.61%	4
Phabricator	0.65%	1
Asana	1.31%	2
Trello	0.00%	0
Github	2.61%	4
Other (please specify)	11.11%	17
TOTAL		153

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

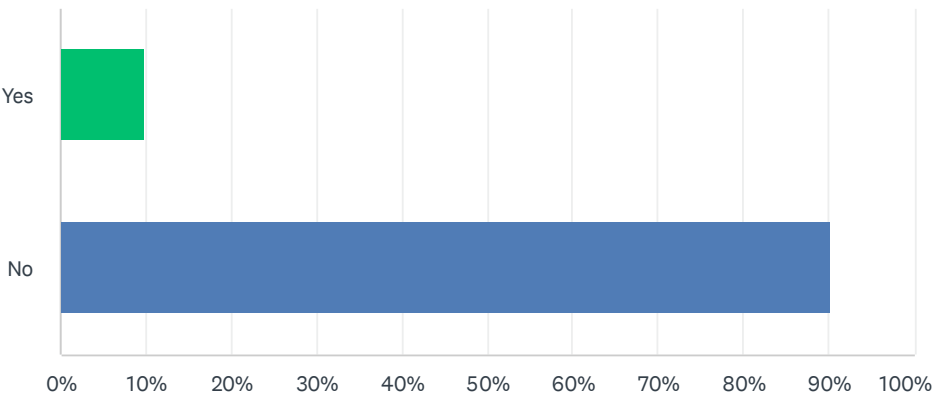
Answered: 153 Skipped: 35



ANSWER CHOICES	RESPONSES	
macOS, Intel	18.95%	29
macOS, Apple Silicon	70.59%	108
Windows	3.27%	5
Linux	6.54%	10
Other (please specify)	0.65%	1
TOTAL		153

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

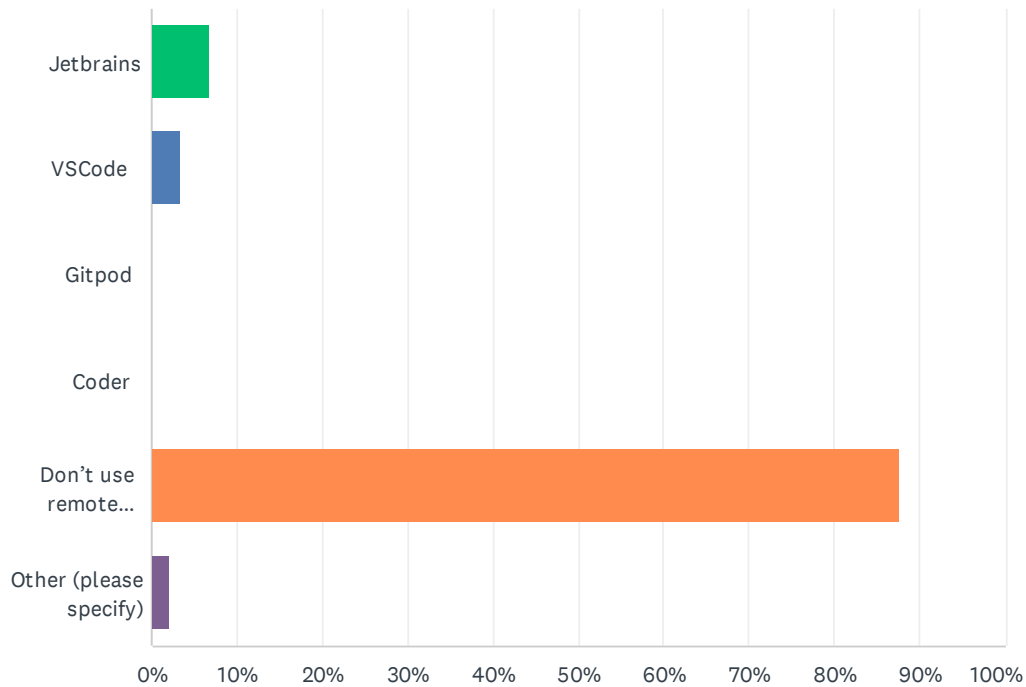
Answered: 153 Skipped: 35



ANSWER CHOICES	RESPONSES	
Yes	9.80%	15
No	90.20%	138
TOTAL		153

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

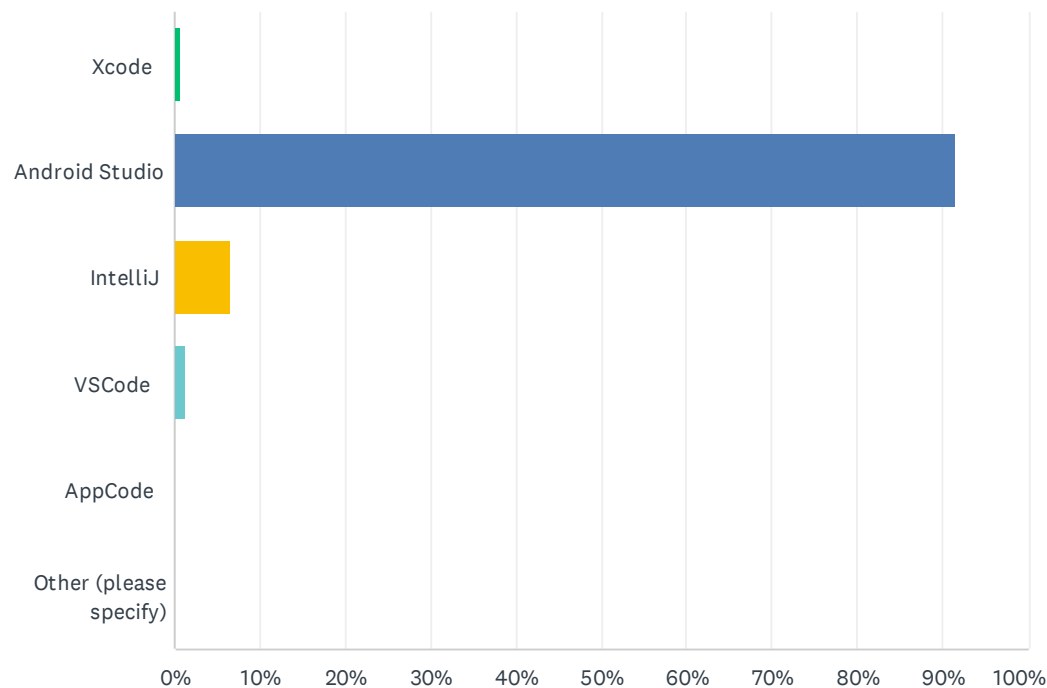
Answered: 146 Skipped: 42



ANSWER CHOICES	RESPONSES	
Jetbrains	6.85%	10
VSCode	3.42%	5
Gitpod	0.00%	0
Coder	0.00%	0
Don't use remote development	87.67%	128
Other (please specify)	2.05%	3
TOTAL		146

Q36 What is your primary IDE?

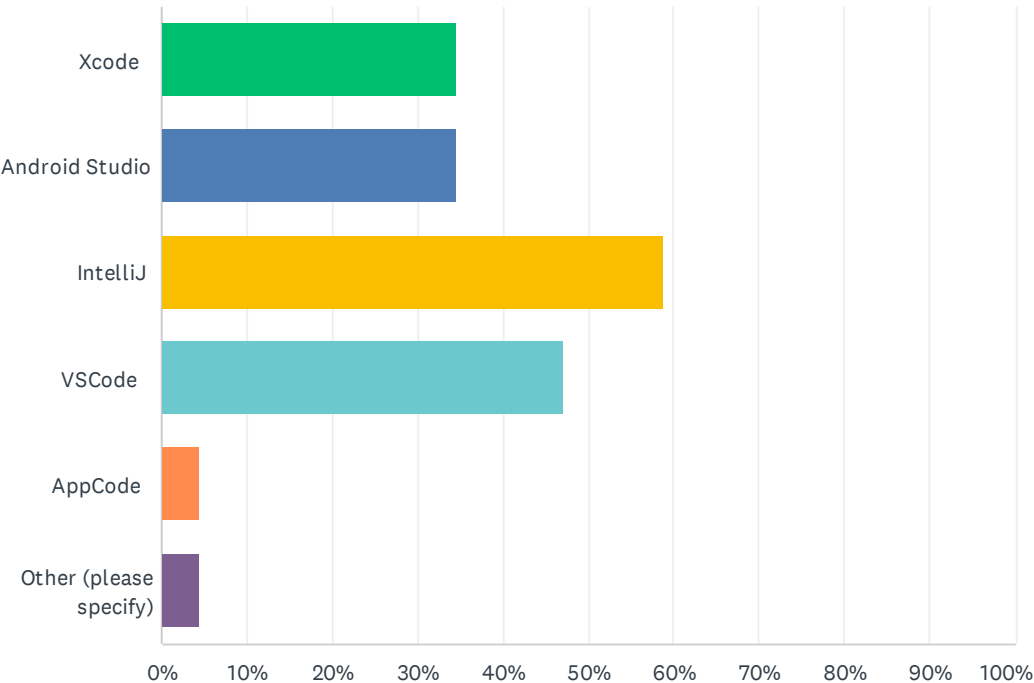
Answered: 153 Skipped: 35



ANSWER CHOICES	RESPONSES	
Xcode	0.65%	1
Android Studio	91.50%	140
IntelliJ	6.54%	10
VSCode	1.31%	2
AppCode	0.00%	0
Other (please specify)	0.00%	0
TOTAL		153

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

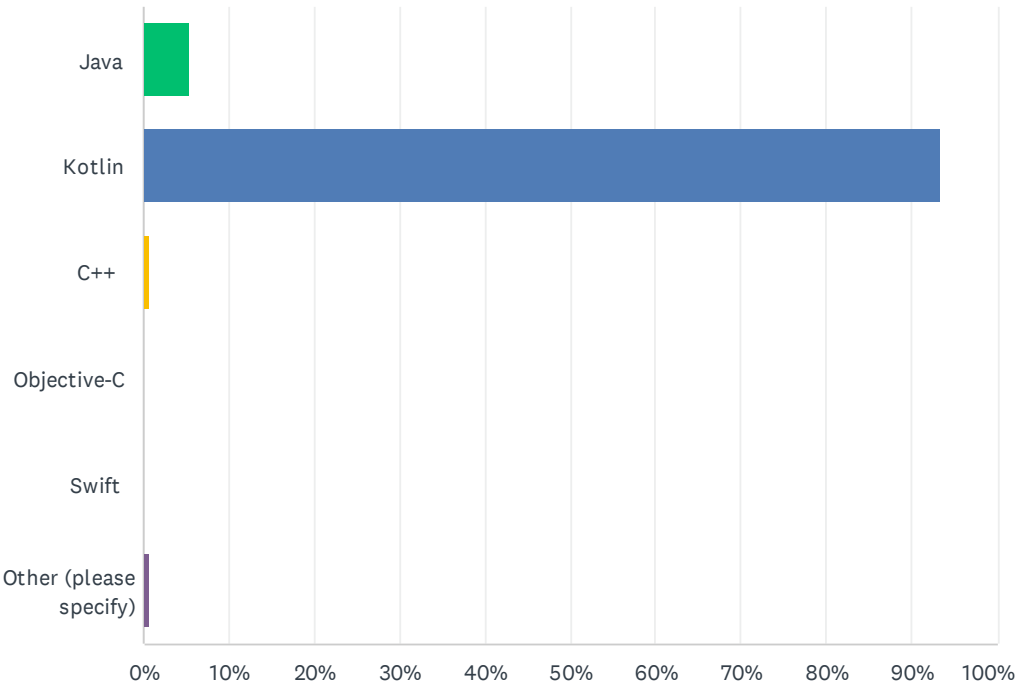
Answered: 136 Skipped: 52



ANSWER CHOICES	RESPONSES	
Xcode	34.56%	47
Android Studio	34.56%	47
IntelliJ	58.82%	80
VSCode	47.06%	64
AppCode	4.41%	6
Other (please specify)	4.41%	6
Total Respondents: 136		

Q38 What is your primary programming language?

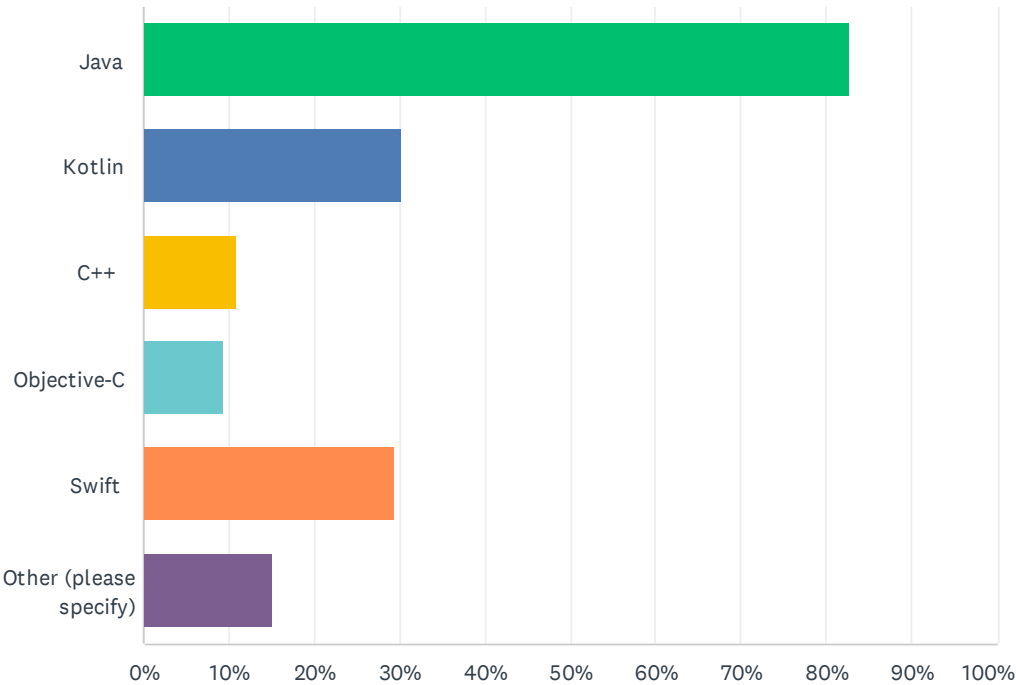
Answered: 153 Skipped: 35



ANSWER CHOICES	RESPONSES	
Java	5.23%	8
Kotlin	93.46%	143
C++	0.65%	1
Objective-C	0.00%	0
Swift	0.00%	0
Other (please specify)	0.65%	1
TOTAL		153

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

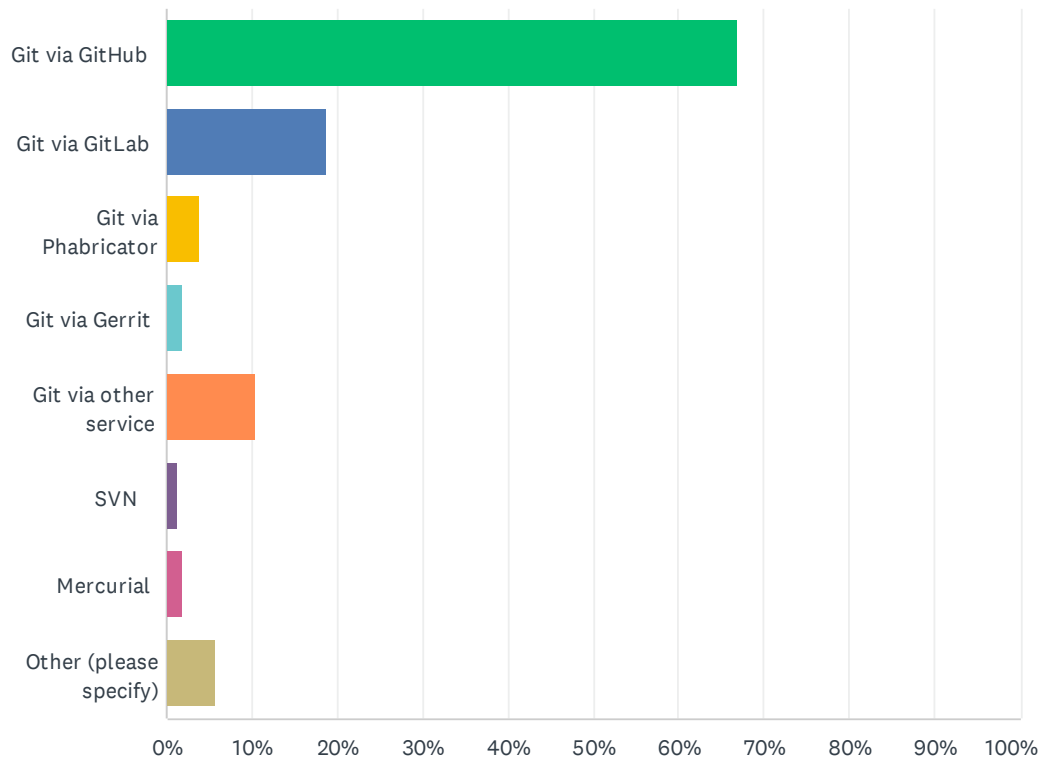
Answered: 139 Skipped: 49



ANSWER CHOICES	RESPONSES	
Java	82.73%	115
Kotlin	30.22%	42
C++	10.79%	15
Objective-C	9.35%	13
Swift	29.50%	41
Other (please specify)	15.11%	21
Total Respondents: 139		

Q40 What do you use for version control?

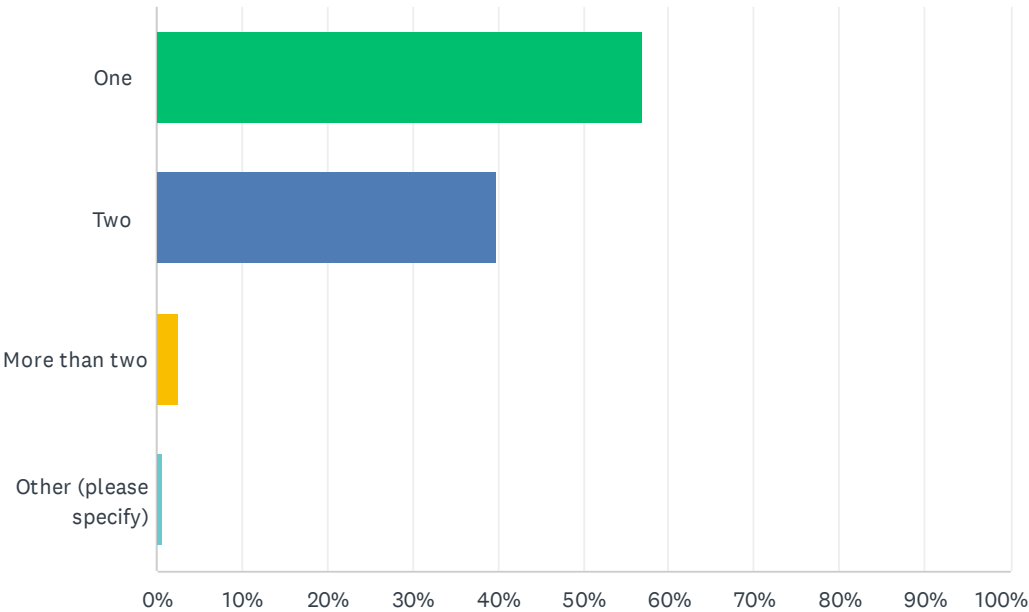
Answered: 154 Skipped: 34



ANSWER CHOICES	RESPONSES	
Git via GitHub	66.88%	103
Git via GitLab	18.83%	29
Git via Phabricator	3.90%	6
Git via Gerrit	1.95%	3
Git via other service	10.39%	16
SVN	1.30%	2
Mercurial	1.95%	3
Other (please specify)	5.84%	9
Total Respondents: 154		

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

Answered: 153 Skipped: 35



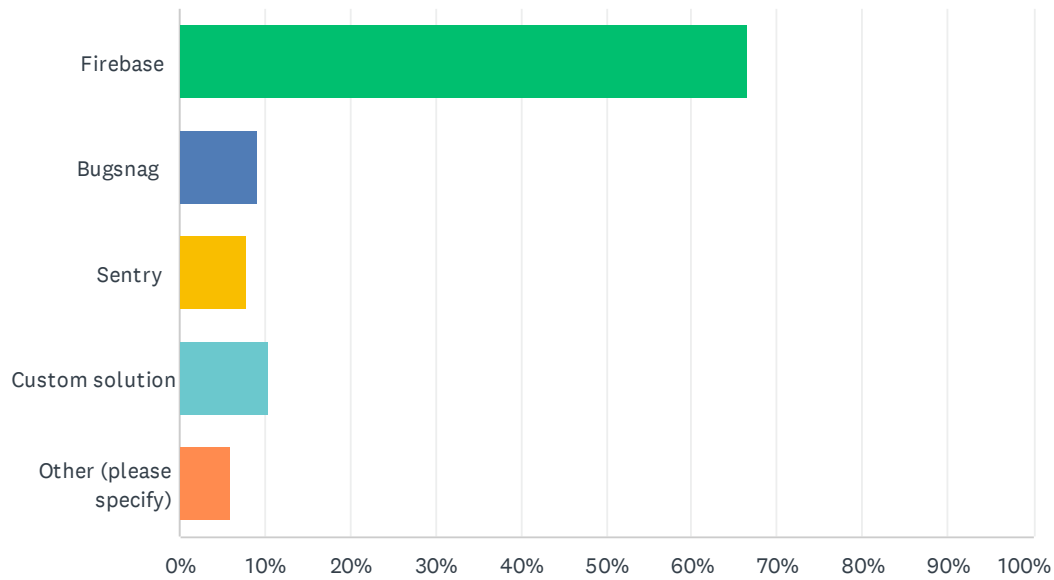
ANSWER CHOICES	RESPONSES	
One	56.86%	87
Two	39.87%	61
More than two	2.61%	4
Other (please specify)	0.65%	1
TOTAL		153

Q42 How is code ownership set up at your company?

Answered: 63 Skipped: 125

Q43 What type of crash reporting system do you use?

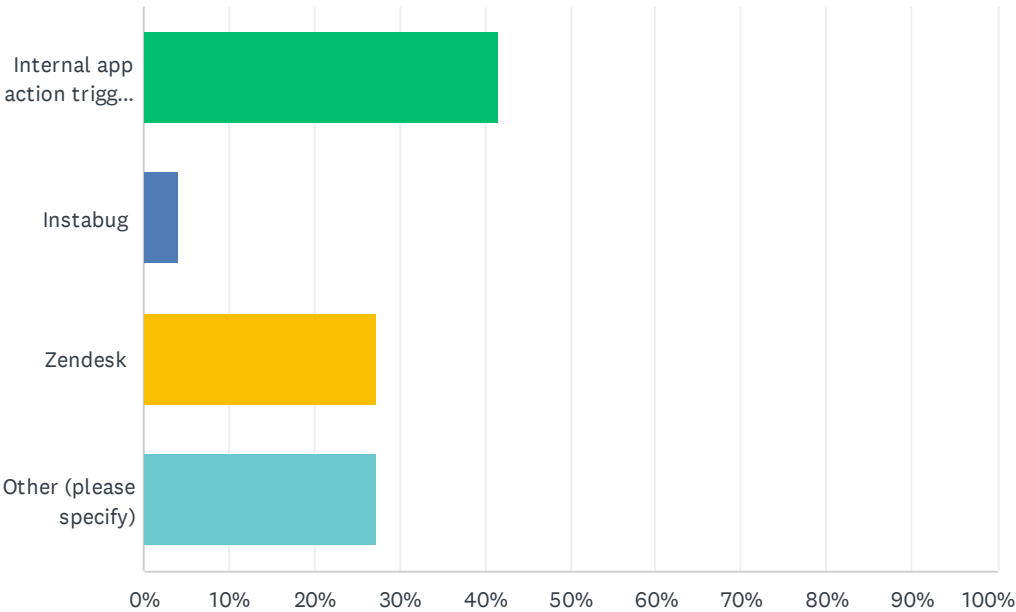
Answered: 152 Skipped: 36



ANSWER CHOICES	RESPONSES	
Firebase	66.45%	101
Bugsnag	9.21%	14
Sentry	7.89%	12
Custom solution	10.53%	16
Other (please specify)	5.92%	9
TOTAL		152

Q44 How do you receive user feedback?

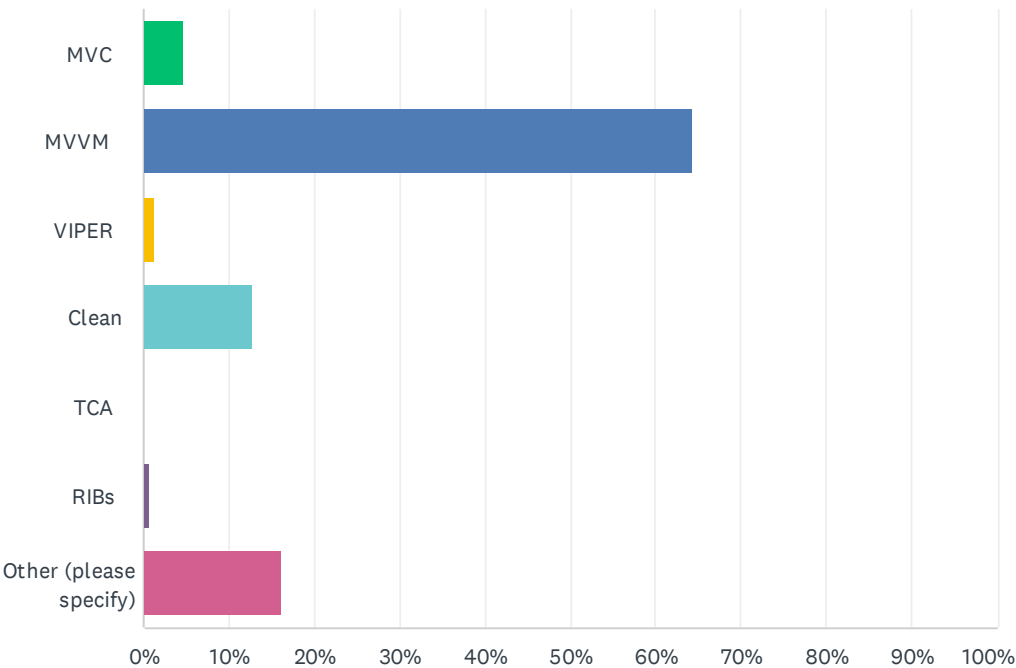
Answered: 125 Skipped: 63



ANSWER CHOICES		RESPONSES	
Internal app action trigger (ie "Shake to Send", screenshot)		41.60%	52
Instabug		4.00%	5
Zendesk		27.20%	34
Other (please specify)		27.20%	34
TOTAL			125

Q45 What type of architecture does your app use?

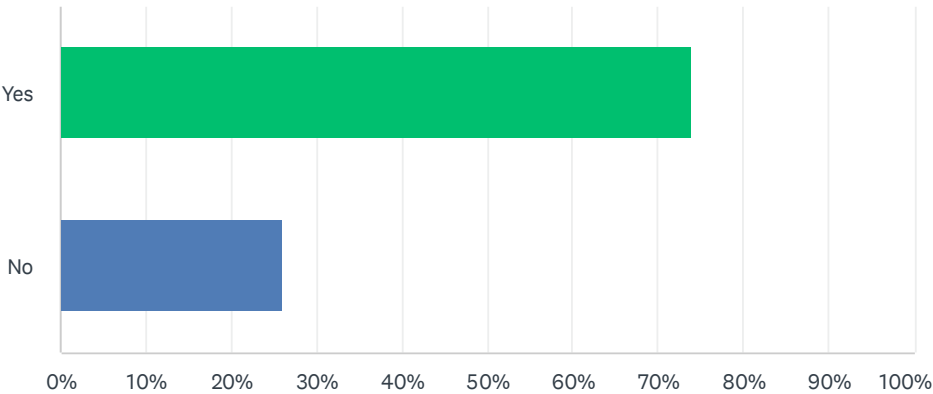
Answered: 149 Skipped: 39



ANSWER CHOICES	RESPONSES	
MVC	4.70%	7
MVVM	64.43%	96
VIPER	1.34%	2
Clean	12.75%	19
TCA	0.00%	0
RIBs	0.67%	1
Other (please specify)	16.11%	24
TOTAL		149

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

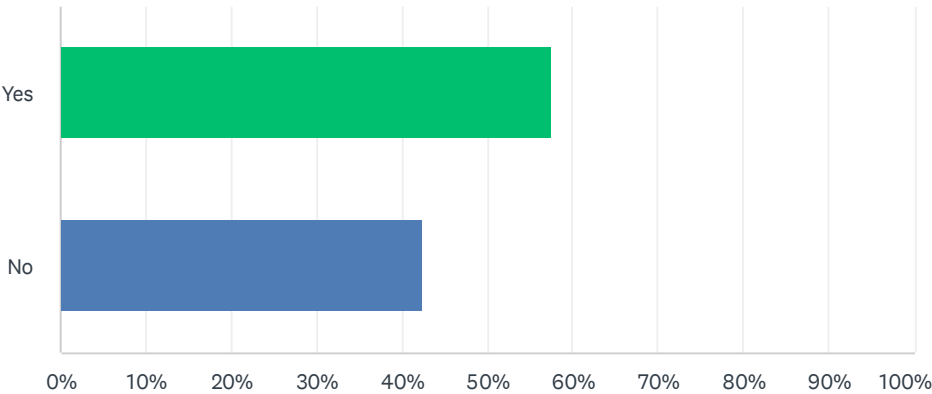
Answered: 150 Skipped: 38



ANSWER CHOICES	RESPONSES	
Yes	74.00%	111
No	26.00%	39
TOTAL		150

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

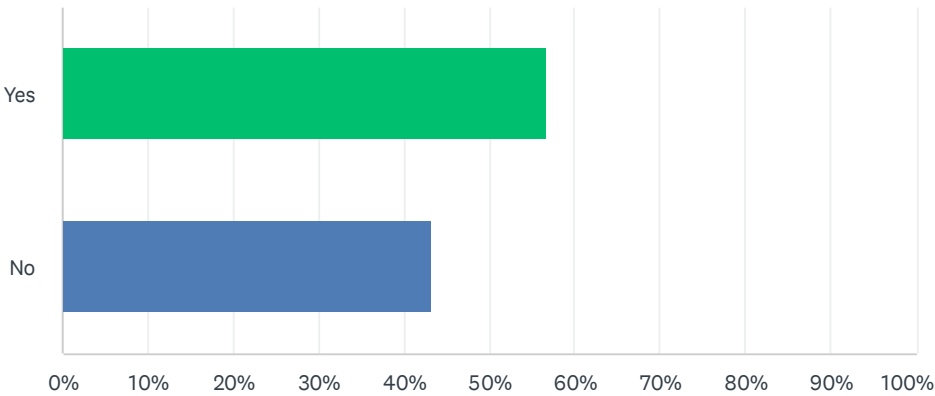
Answered: 151 Skipped: 37



ANSWER CHOICES		RESPONSES	
Yes		57.62%	87
No		42.38%	64
TOTAL			151

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

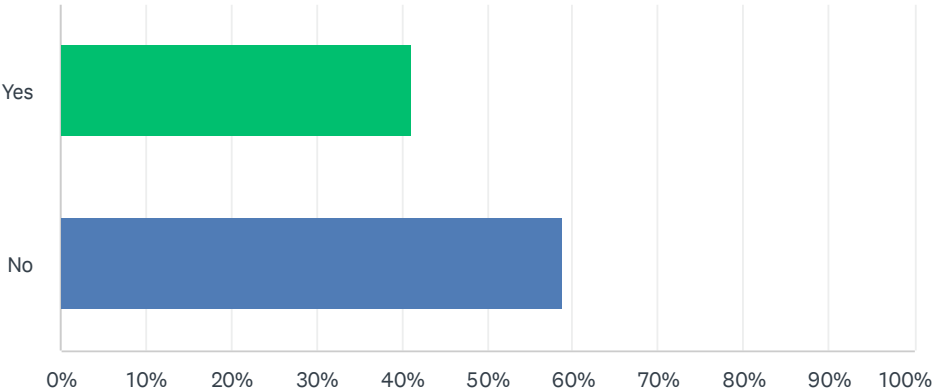
Answered: 150 Skipped: 38



ANSWER CHOICES		RESPONSES	
Yes		56.67%	85
No		43.33%	65
TOTAL			150

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

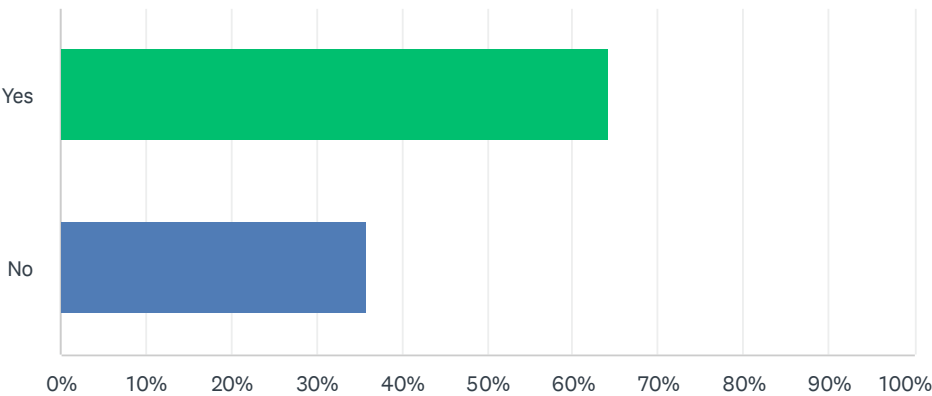
Answered: 151 Skipped: 37



ANSWER CHOICES	RESPONSES	
Yes	41.06%	62
No	58.94%	89
TOTAL		151

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

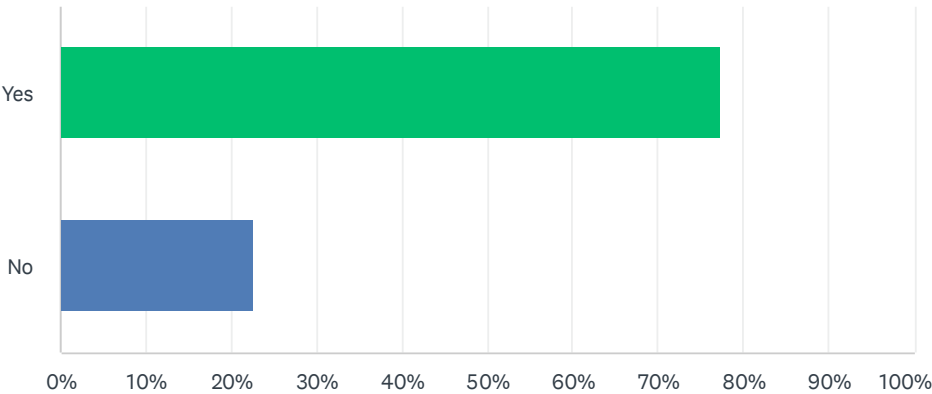
Answered: 151 Skipped: 37



ANSWER CHOICES	RESPONSES	
Yes	64.24%	97
No	35.76%	54
TOTAL		151

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

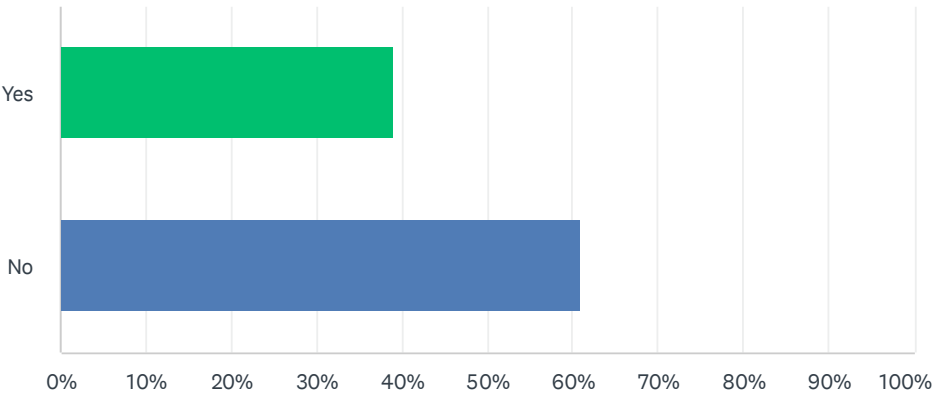
Answered: 151 Skipped: 37



ANSWER CHOICES	RESPONSES	
Yes	77.48%	117
No	22.52%	34
TOTAL		151

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

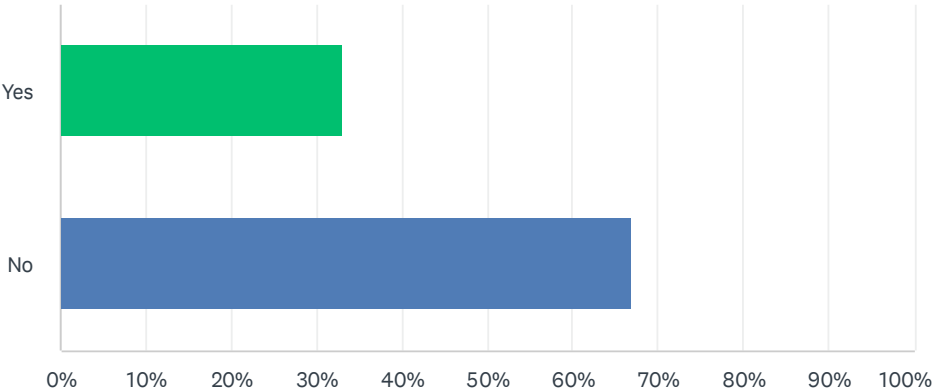
Answered: 151 Skipped: 37



ANSWER CHOICES	RESPONSES	
Yes	39.07%	59
No	60.93%	92
TOTAL		151

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

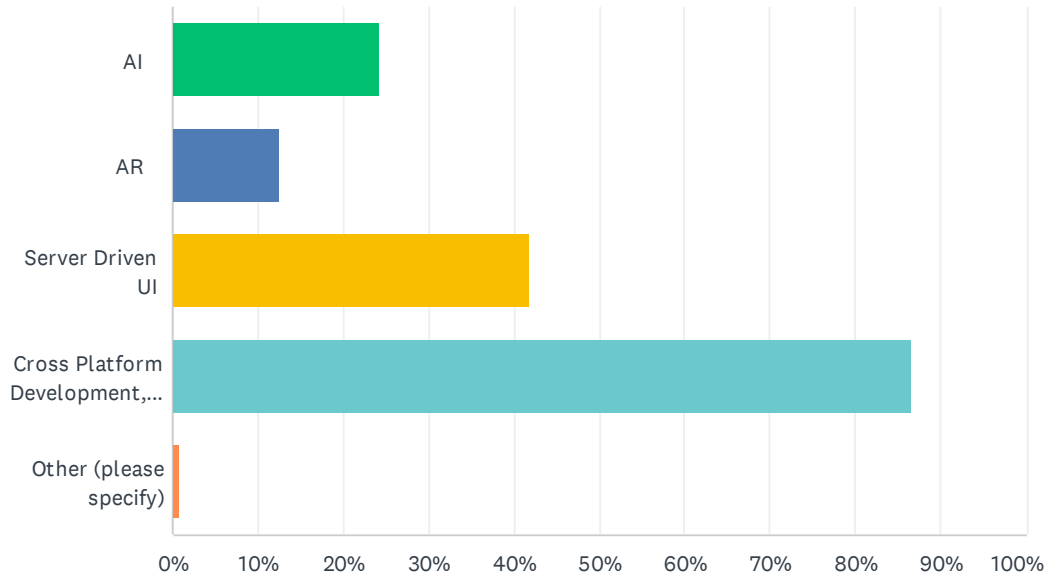
Answered: 151 Skipped: 37



ANSWER CHOICES	RESPONSES	
Yes	33.11%	50
No	66.89%	101
TOTAL		151

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

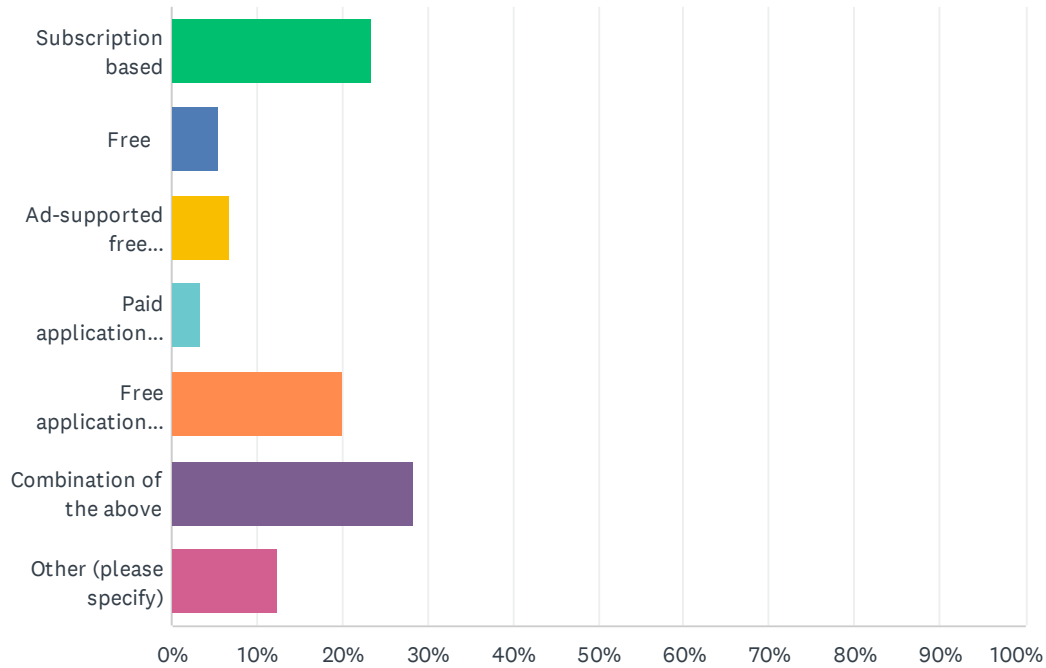
Answered: 127 Skipped: 61



ANSWER CHOICES	RESPONSES	
AI	24.41%	31
AR	12.60%	16
Server Driven UI	41.73%	53
Cross Platform Development, e.g. Kotlin Multiplatform	86.61%	110
Other (please specify)	0.79%	1
Total Respondents: 127		

Q55 What is your company's business model?

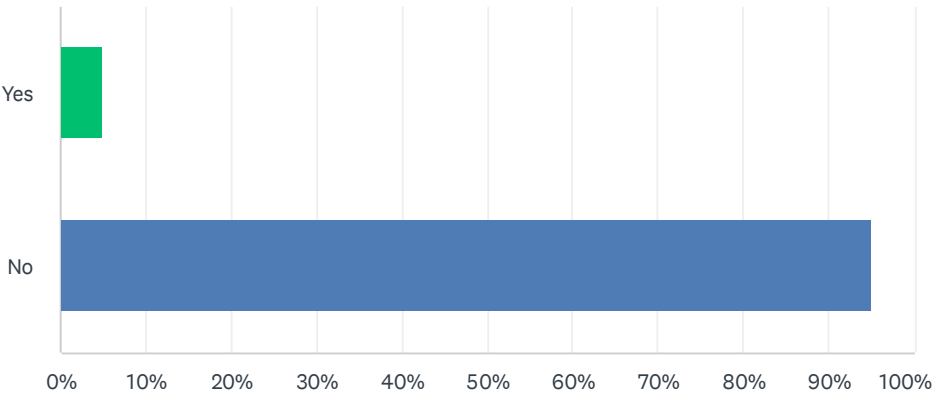
Answered: 145 Skipped: 43



ANSWER CHOICES	RESPONSES	
Subscription based	23.45%	34
Free	5.52%	8
Ad-supported free application	6.90%	10
Paid application (non subscription)	3.45%	5
Free application with physical goods or services exchanged	20.00%	29
Combination of the above	28.28%	41
Other (please specify)	12.41%	18
TOTAL		145

Q56 Does your business build games?

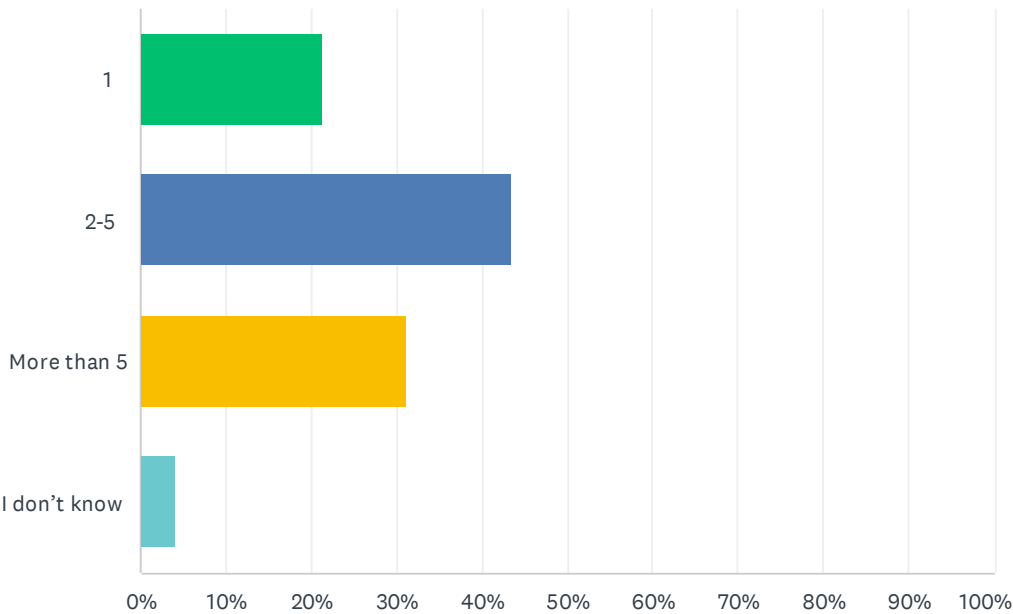
Answered: 145 Skipped: 43



ANSWER CHOICES	RESPONSES	
Yes	4.83%	7
No	95.17%	138
TOTAL		145

Q57 How many apps does your business support?

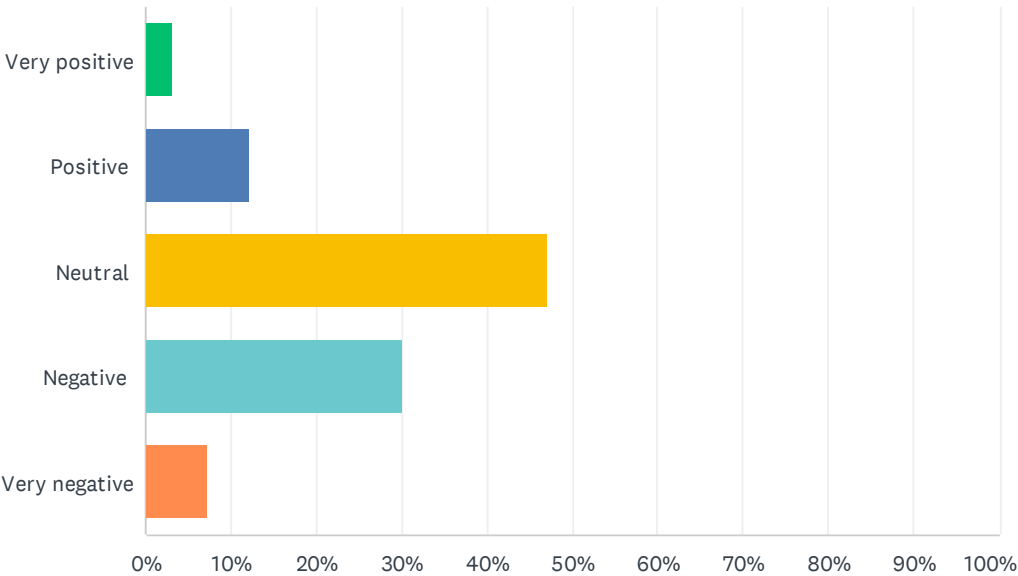
Answered: 145 Skipped: 43



ANSWER CHOICES	RESPONSES	
1	21.38%	31
2-5	43.45%	63
More than 5	31.03%	45
I don't know	4.14%	6
TOTAL		145

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

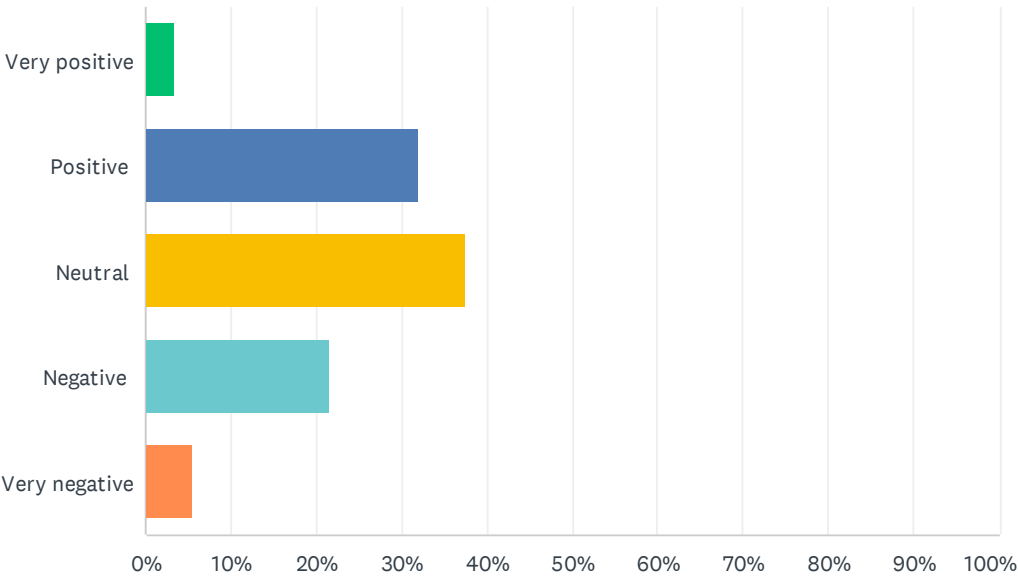
Answered: 123 Skipped: 65



ANSWER CHOICES		RESPONSES	
Very positive		3.25%	4
Positive		12.20%	15
Neutral		47.15%	58
Negative		30.08%	37
Very negative		7.32%	9
TOTAL			123

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

Answered: 144 Skipped: 44



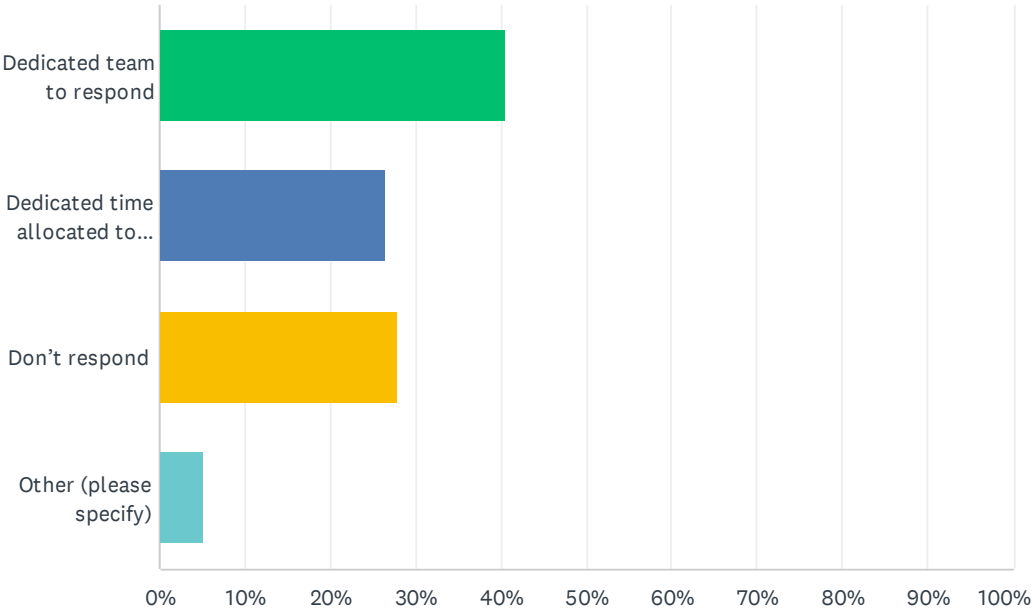
ANSWER CHOICES	RESPONSES	
Very positive	3.47%	5
Positive	31.94%	46
Neutral	37.50%	54
Negative	21.53%	31
Very negative	5.56%	8
TOTAL		144

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

Answered: 41 Skipped: 147

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

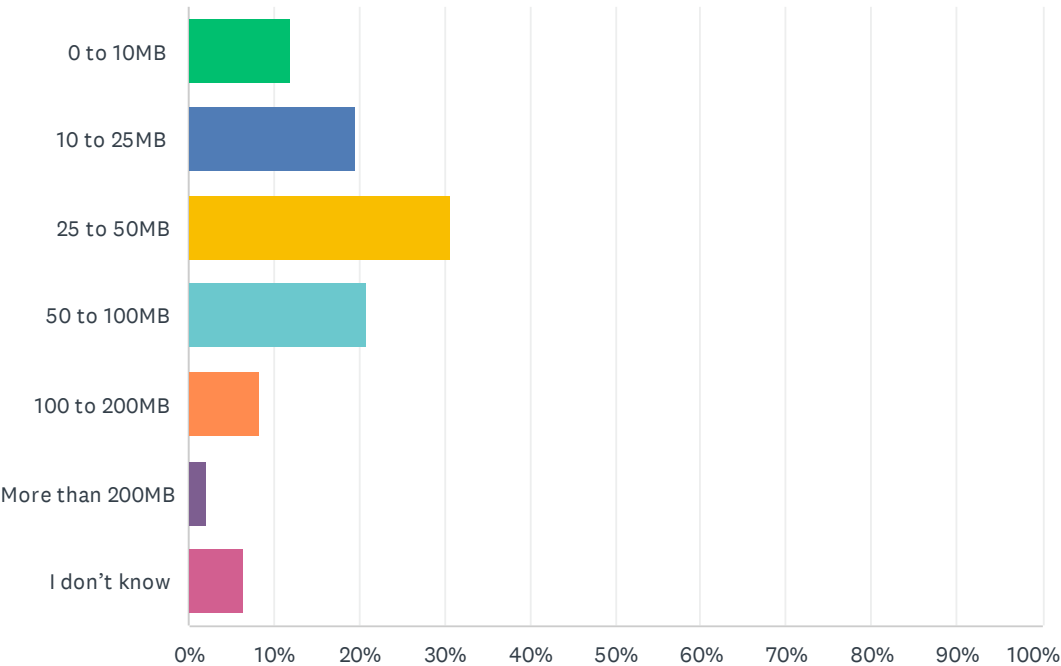
Answered: 136 Skipped: 52



ANSWER CHOICES	RESPONSES	
Dedicated team to respond	40.44%	55
Dedicated time allocated to respond, but no specific team	26.47%	36
Don't respond	27.94%	38
Other (please specify)	5.15%	7
TOTAL		136

Q62 How large is your app’s download size?

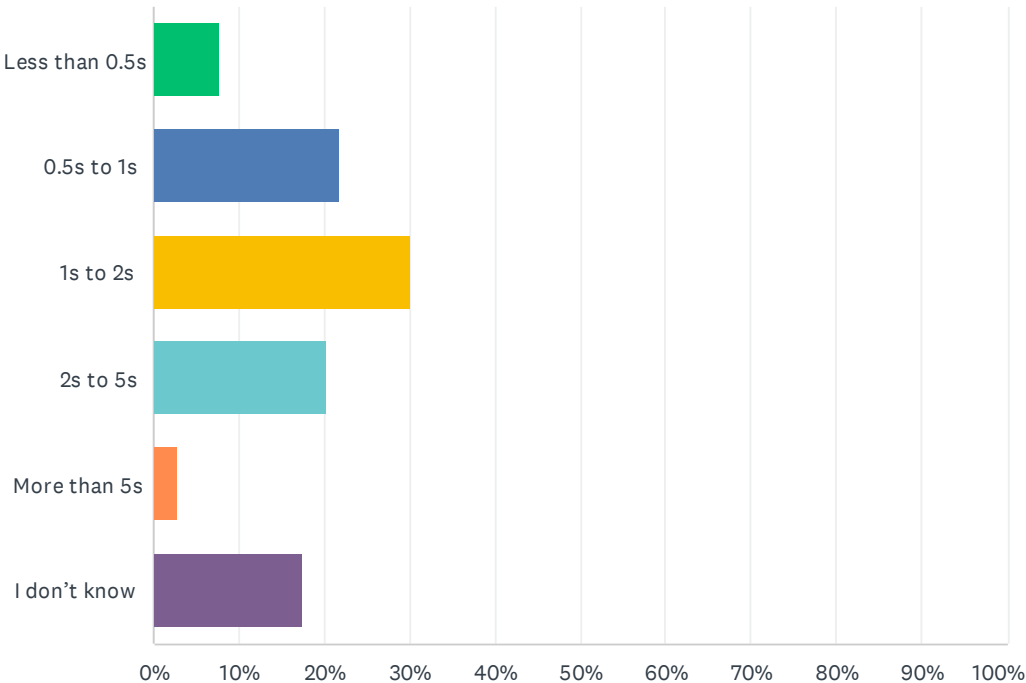
Answered: 143 Skipped: 45



ANSWER CHOICES	RESPONSES	
0 to 10MB	11.89%	17
10 to 25MB	19.58%	28
25 to 50MB	30.77%	44
50 to 100MB	20.98%	30
100 to 200MB	8.39%	12
More than 200MB	2.10%	3
I don't know	6.29%	9
TOTAL		143

Q63 What is the cold start time for your application?

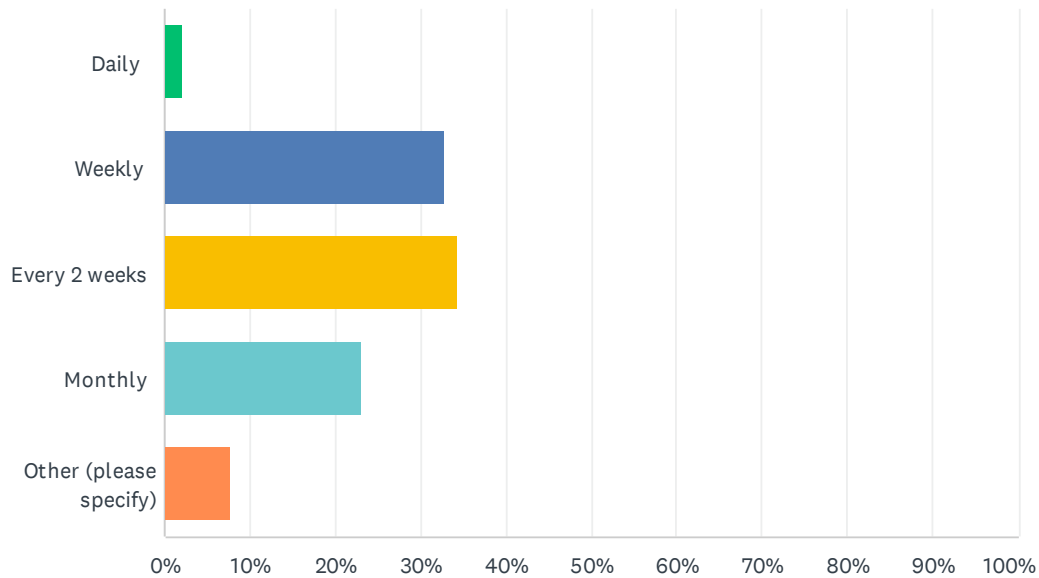
Answered: 143 Skipped: 45



ANSWER CHOICES	RESPONSES	
Less than 0.5s	7.69%	11
0.5s to 1s	21.68%	31
1s to 2s	30.07%	43
2s to 5s	20.28%	29
More than 5s	2.80%	4
I don't know	17.48%	25
TOTAL		143

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

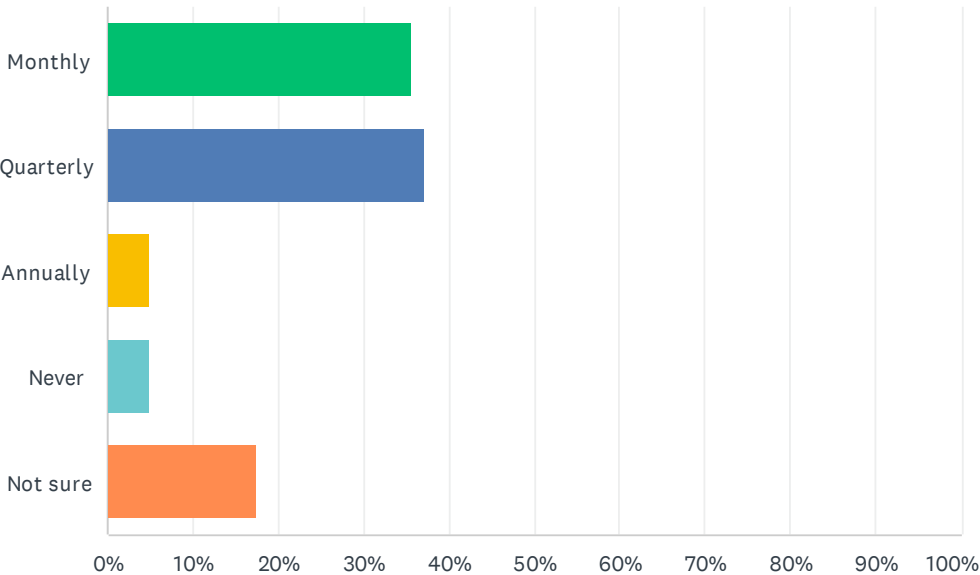
Answered: 143 Skipped: 45



ANSWER CHOICES	RESPONSES	
Daily	2.10%	3
Weekly	32.87%	47
Every 2 weeks	34.27%	49
Monthly	23.08%	33
Other (please specify)	7.69%	11
TOTAL		143

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

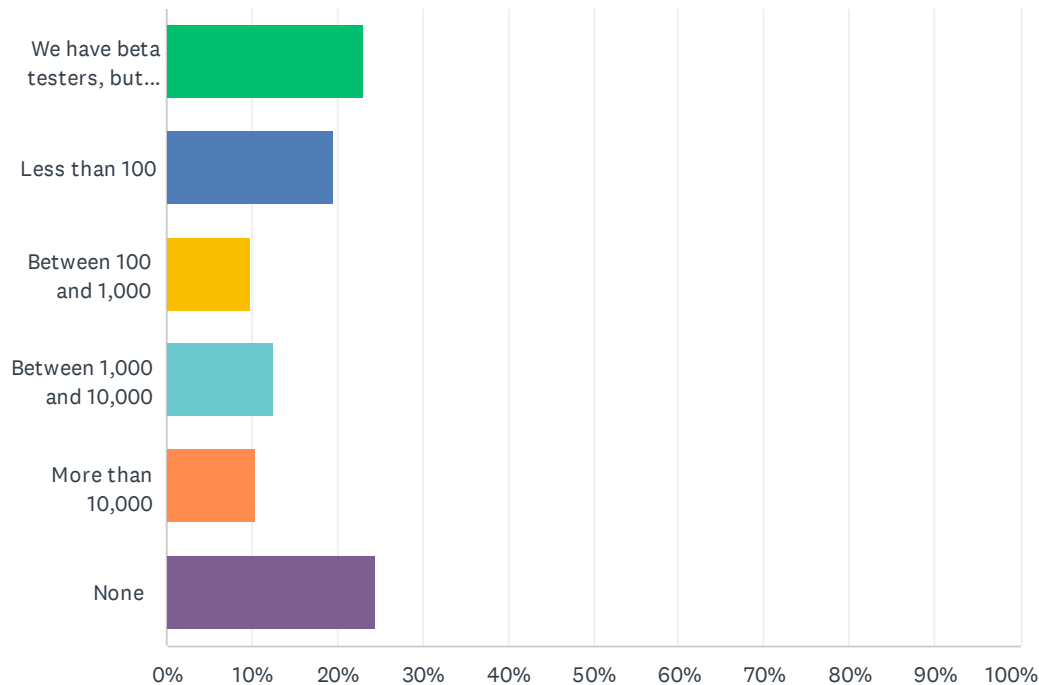
Answered: 143 Skipped: 45



ANSWER CHOICES	RESPONSES	
Monthly	35.66%	51
Quarterly	37.06%	53
Annually	4.90%	7
Never	4.90%	7
Not sure	17.48%	25
TOTAL		143

Q66 How many beta testers do you have?

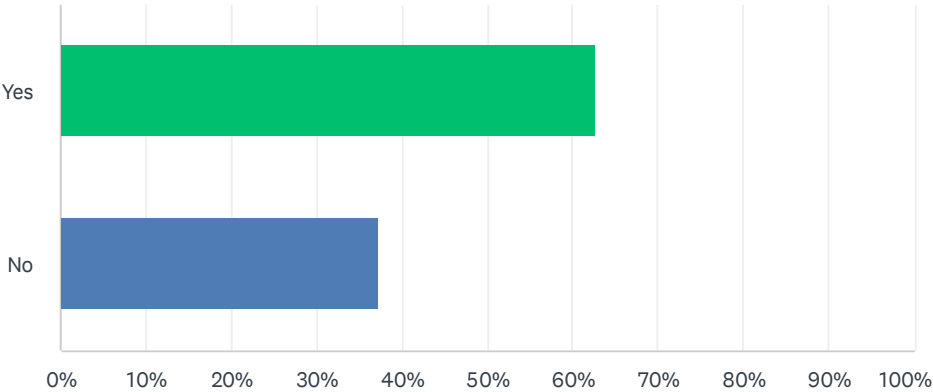
Answered: 143 Skipped: 45



ANSWER CHOICES	RESPONSES	
We have beta testers, but I'm not sure how many	23.08%	33
Less than 100	19.58%	28
Between 100 and 1,000	9.79%	14
Between 1,000 and 10,000	12.59%	18
More than 10,000	10.49%	15
None	24.48%	35
TOTAL		143

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

Answered: 139 Skipped: 49



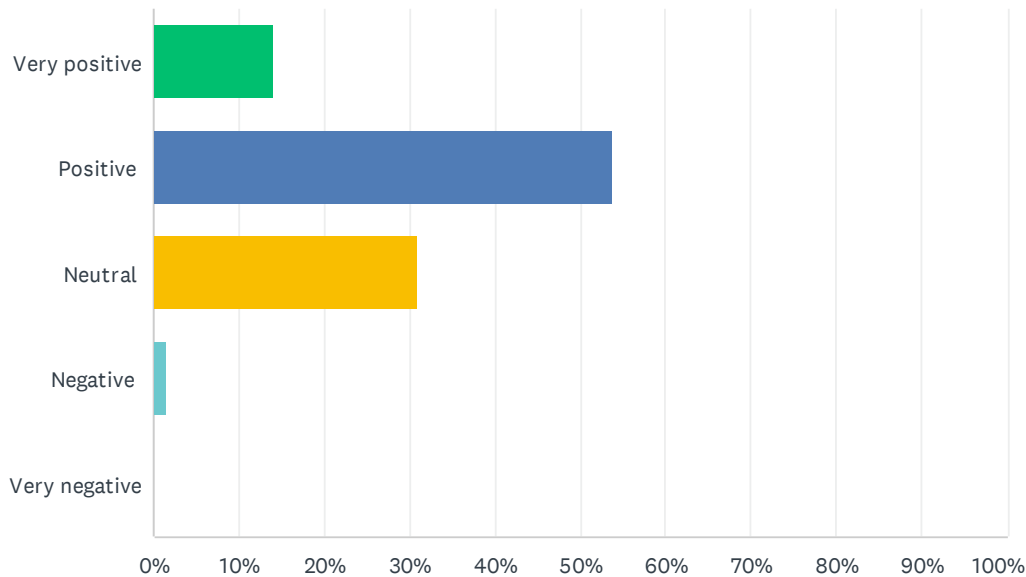
ANSWER CHOICES	RESPONSES	
Yes	62.59%	87
No	37.41%	52
TOTAL		139

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

Answered: 12 Skipped: 176

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?

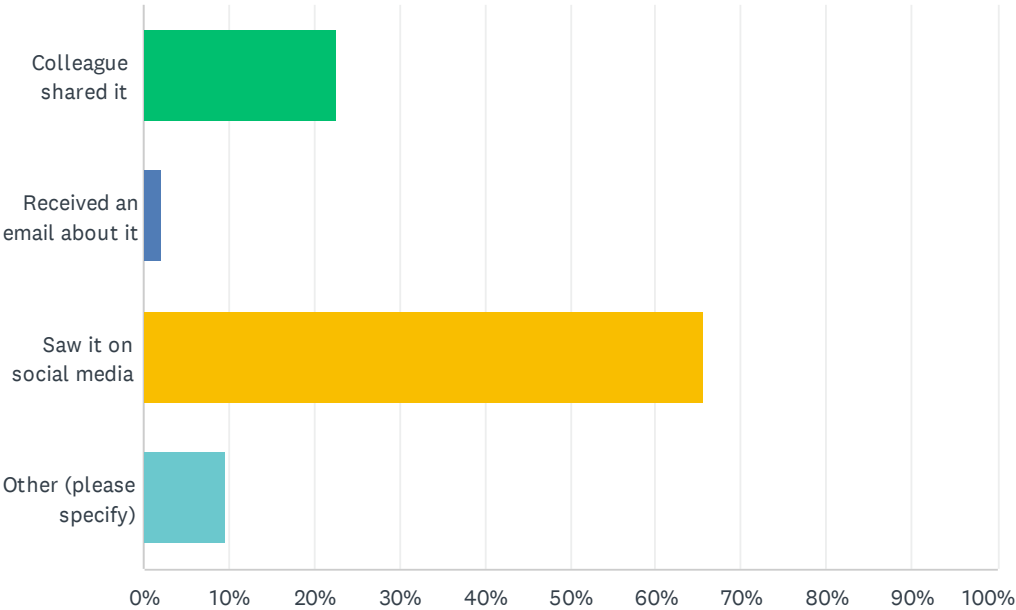
Answered: 136 Skipped: 52



ANSWER CHOICES	RESPONSES	
Very positive	13.97%	19
Positive	53.68%	73
Neutral	30.88%	42
Negative	1.47%	2
Very negative	0.00%	0
TOTAL		136

Q70 How did you find out about this survey?

Answered: 137 Skipped: 51



ANSWER CHOICES		RESPONSES	
Colleague shared it		22.63%	31
Received an email about it		2.19%	3
Saw it on social media		65.69%	90
Other (please specify)		9.49%	13
TOTAL			137

Q71 [Optional] What company do you work for?

Answered: 45 Skipped: 143