2019 Drupal Local Development Survey

Jeff Geerling, Chris Urban
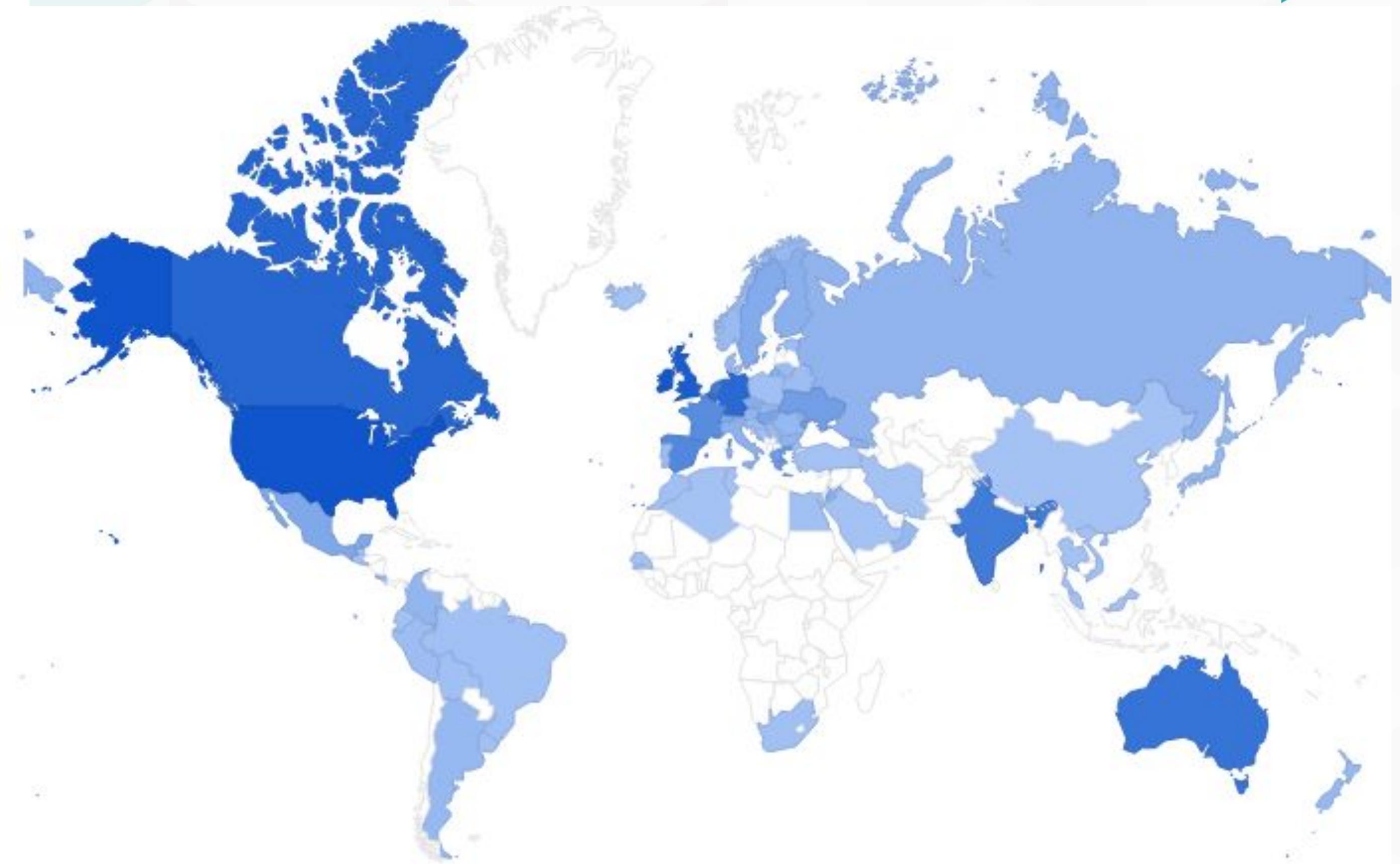
Who responded to the survey?

Worldwide:
1044 Total Submissions
72 Countries
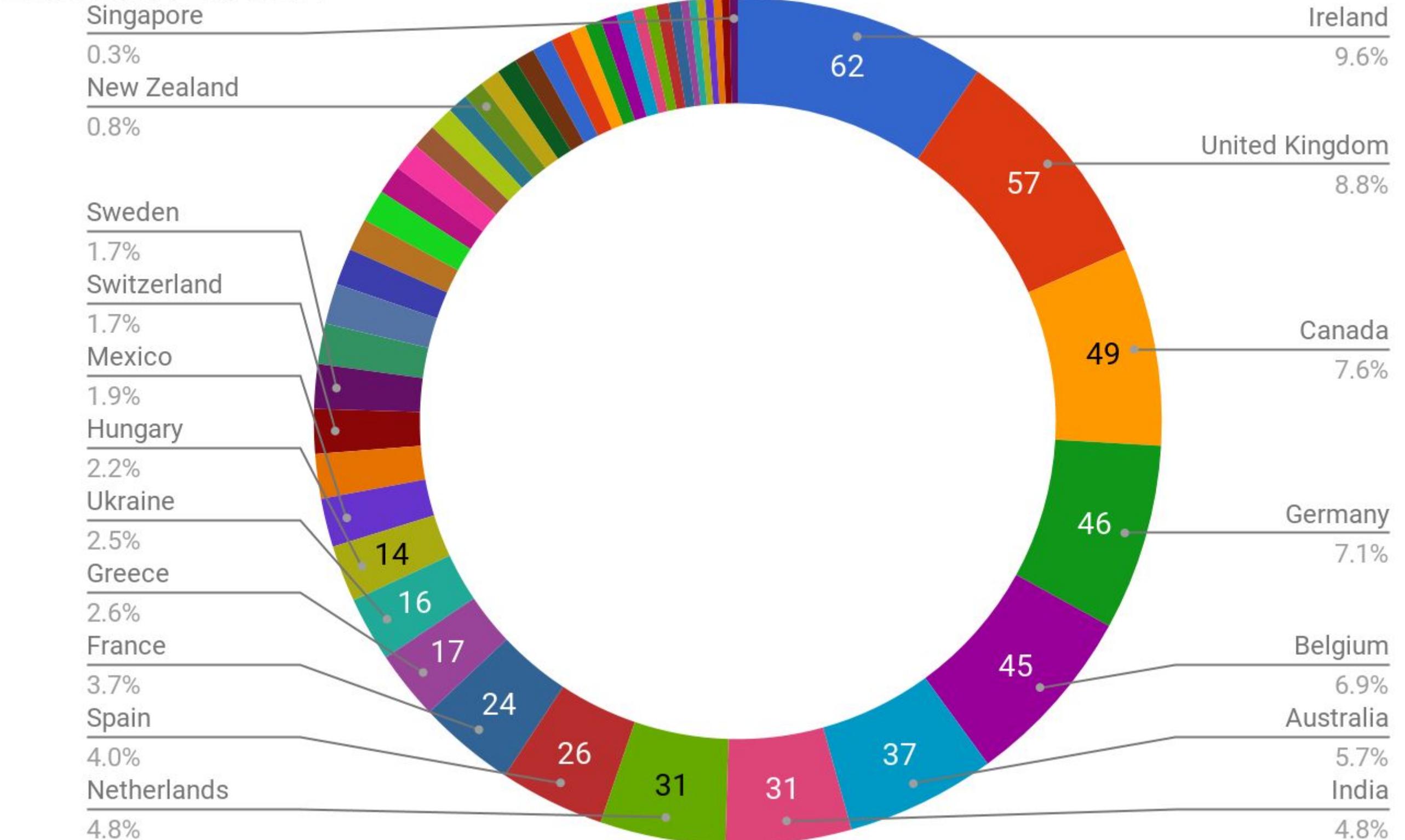
Worldwide:
1044 Total Submissions
72 Countries

Location ex USA

Singapore 0.3%
New Zealand 0.8%
Sweden 1.7%
Switzerland 1.7%
Mexico 1.9%
Hungary 2.2%
Ukraine 2.5%
Greece 2.6%
France 3.7%
Spain 4.0%
Netherlands 4.8%

Ireland 9.6%
United Kingdom 8.8%
Canada 7.6%
Germany 7.1%
Belgium 6.9%
Australia 5.7%
India 4.8%

62
57
49
46
45
37
31
31
26
24
17
16
14

USA & Canada:
471 Submissions
49 States
& Provinces

Canada & USA only

Minnesota 1.8%
Georgia 1.8%
Tennessee 2.0%
North Carolina 2.0%
Washington DC 2.0%
Missouri 2.3%
Ohio 2.7%
New Jersey 2.7%
Texas 2.9%
Florida 2.9%
Oregon 3.2%
Virginia 3.4%
British Columbia 3.6%
Colorado 4.3%

California 14.3%
Massachusetts 7.7%
Illinois 6.6%
Ontario 6.1%
Washington 5.9%
New York 5.2%
Pennsylvania 5.2%

63 34 29 27 26 23 23 19 16 15 14 13 13 12 12 10 9 9 9 8 8 8 8 5 5 4 4

What kind of Drupal projects?
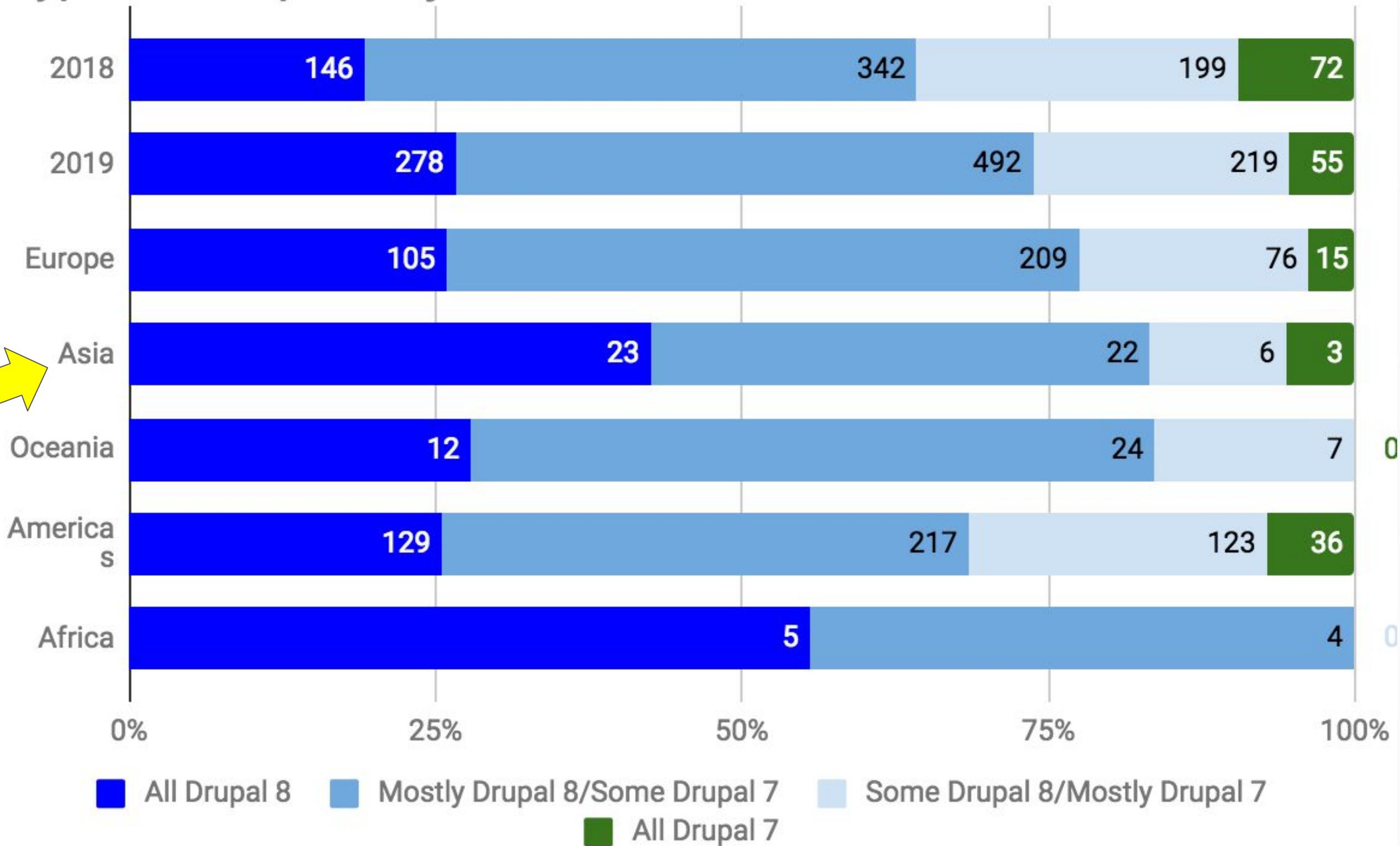
Drupal projects

Mostly or only Drupal 8 now at nearly 75% of projects

Drupal 7 only continues to drop

Europe and Oceania highest D8 mix , least D7

Asia, Africa highest D8

Types of Drupal Projects

	All Drupal 8	Mostly Drupal 8/Some Drupal 7	Some Drupal 8/Mostly Drupal 7	All Drupal 7
2018	146	342	199	72
2019	278	492	219	55
Europe	105	209	76	15
Asia	23	22	6	3
Oceania	12	24	7	0
Americas	129	217	123	36
Africa	5	4		0
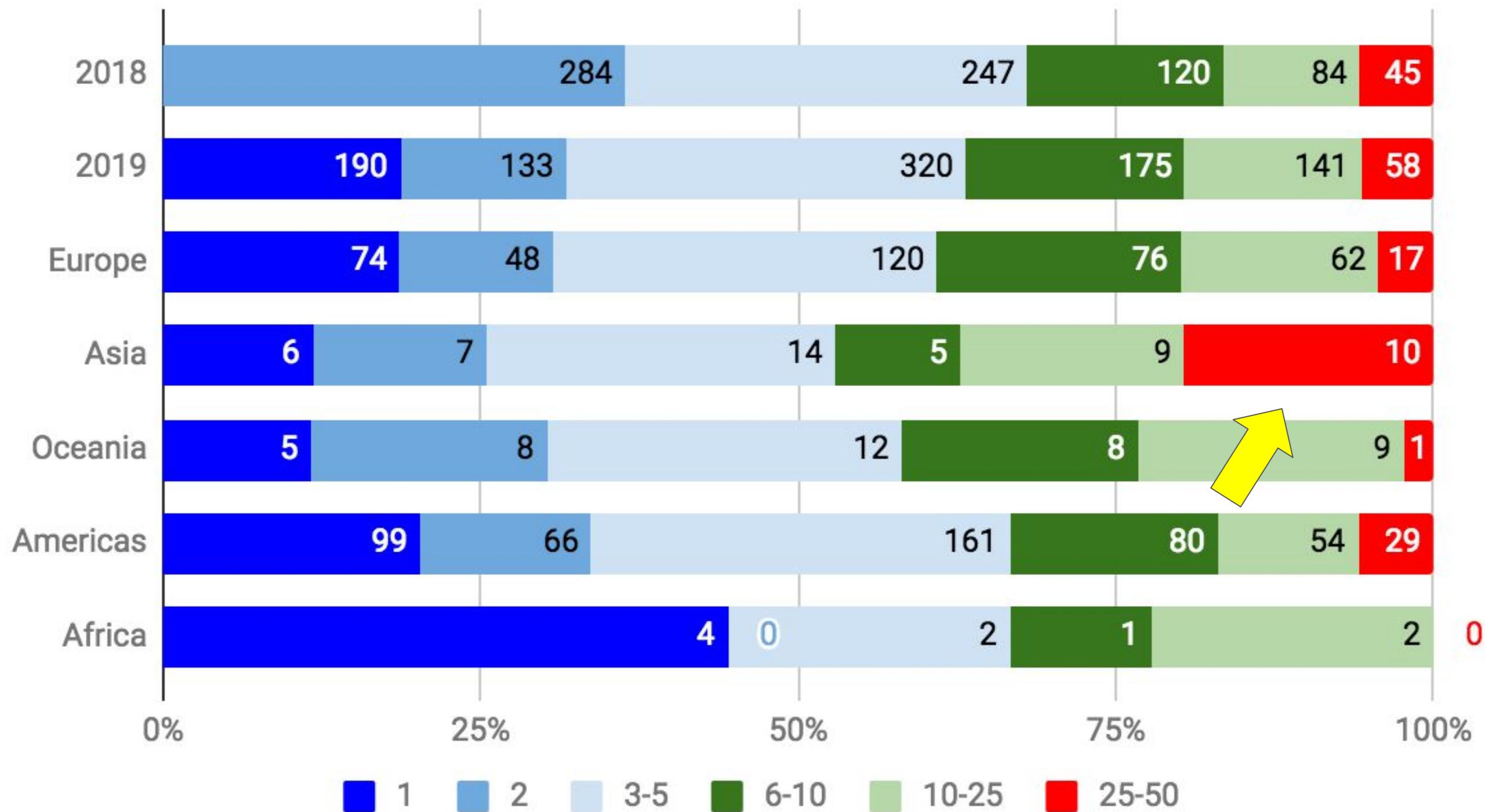
Team Size

Drupal 7 only continues to fade

Europe and Oceania highest D8 mix , least D7

Asia, Africa highest D8

Drupal dev team size

	1	2	3-5	6-10	10-25	25-50
2018		284	247	120	84	45
2019	190	133	320	175	141	58
Europe	74	48	120	76	62	17
Asia	6	7	14	5	9	10
Oceania	5	8	12	8	9	1
Americas	99	66	161	80	54	29
Africa	4	0	2	1	2	0
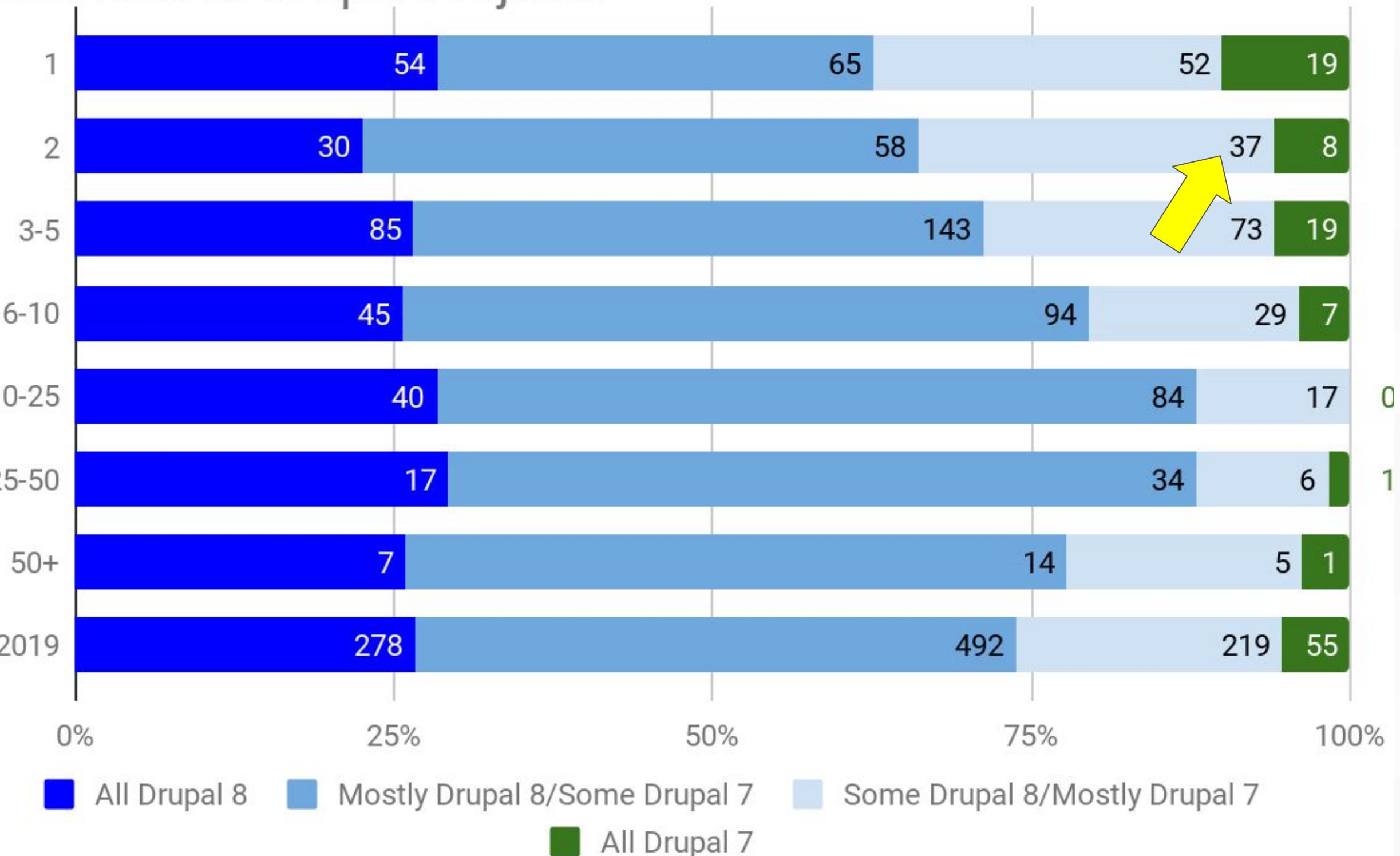
Team Size vs Projects

Drupal 7 work handled by small teams up to 6-10

Lone devs and pairs most likely to work on D8 only.

Largest shops reflect overall project averages.

Team Size vs Drupal Projects

Team Size	All Drupal 8	Mostly Drupal 8/Some Drupal 7	Some Drupal 8/Mostly Drupal 7	All Drupal 7
1	54	65	52	19
2	30	58	37	8
3-5	85	143	73	19
6-10	45	94	29	7
10-25	40	84	17	0
25-50	17	34	6	1
50+	7	14	5	1
2019	278	492	219	55

Legend: ■ All Drupal 8 ■ Mostly Drupal 8/Some Drupal 7 ■ Some Drupal 8/Mostly Drupal 7 ■ All Drupal 7

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Other dev team sizes

Not surprisingly, the number of other developers, (FE, JS, etc.) correlates to the number of Drupal devs on a team.

The majority of these 'other devs' are small teams of 5 or less people.
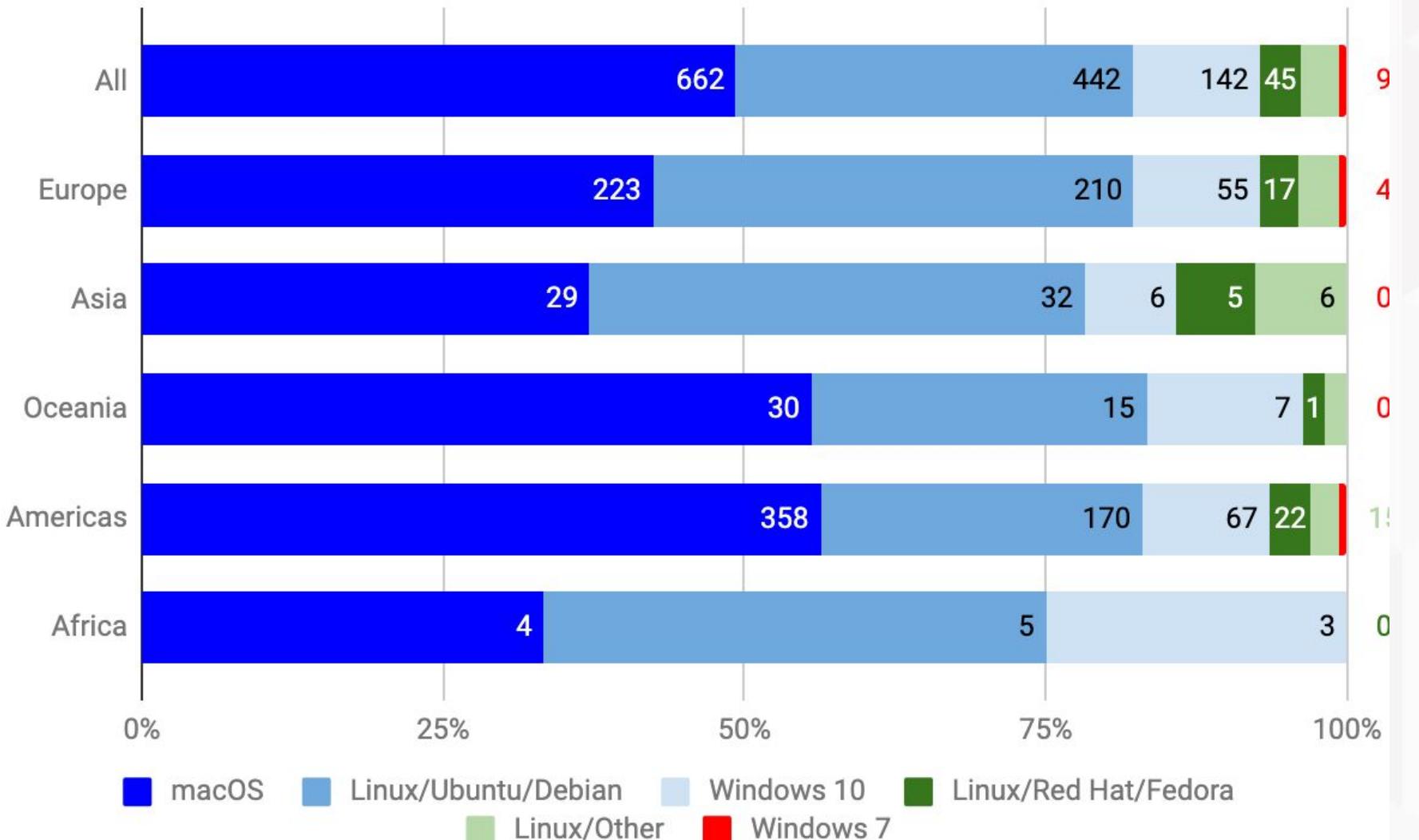
Drupal team size		All	1	2	3-5	6-10	10-25	25-50	50+
Total submissions		1044	316	199	320	175	141	58	27
Other dev team size	2018	2019							
None	32%	31%	42%	20%	26%	20%	18%	5%	4%
1-2	31%	27%	11%	31%	35%	29%	15%	5%	0%
3-5	19%	21%	4%	12%	27%	25%	24%	17%	19%
6-10	8%	10%	2%	3%	7%	15%	16%	29%	11%
10-25	6%	7%	1%	1%	3%	10%	20%	21%	26%
25-50	3%	2%	0%	1%	1%	1%	5%	14%	11%
50+	2%	2%	0%	0%	1%	1%	2%	9%	30%
		Red/green indicates above/under 'All' percentages							
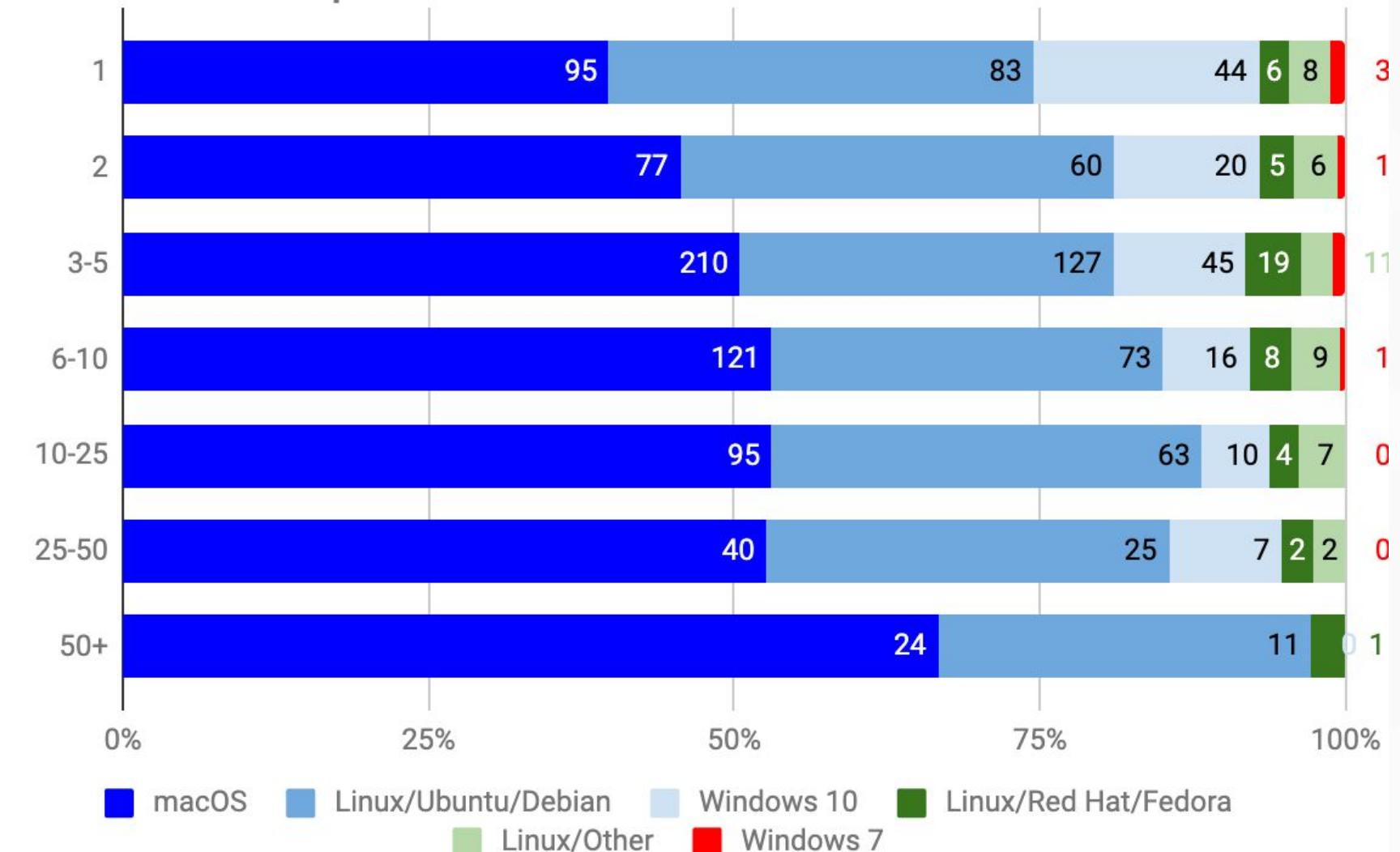
What kind of OS?

Local OS vs Location

	macOS	Linux/Ubuntu/Debian	Windows 10	Linux/Red Hat/Fedora	Linux/Other	Windows 7
All	662	442	142	45		9
Europe	223	210	55	17		4
Asia	29	32	6	5	6	0
Oceania	30	15	7	1		0
Americas	358	170	67	22		15
Africa	4	5	3			0

Local OS vs Drupal Team Size

	macOS	Linux/Ubuntu/Debian	Windows 10	Linux/Red Hat/Fedora	Linux/Other	Windows 7
1	95	83	44	6	8	3
2	77	60	20	5	6	1
3-5	210	127	45	19		11
6-10	121	73	16	8	9	1
10-25	95	63	10	4	7	0
25-50	40	25	7	2	2	0
50+	24	11			0	1
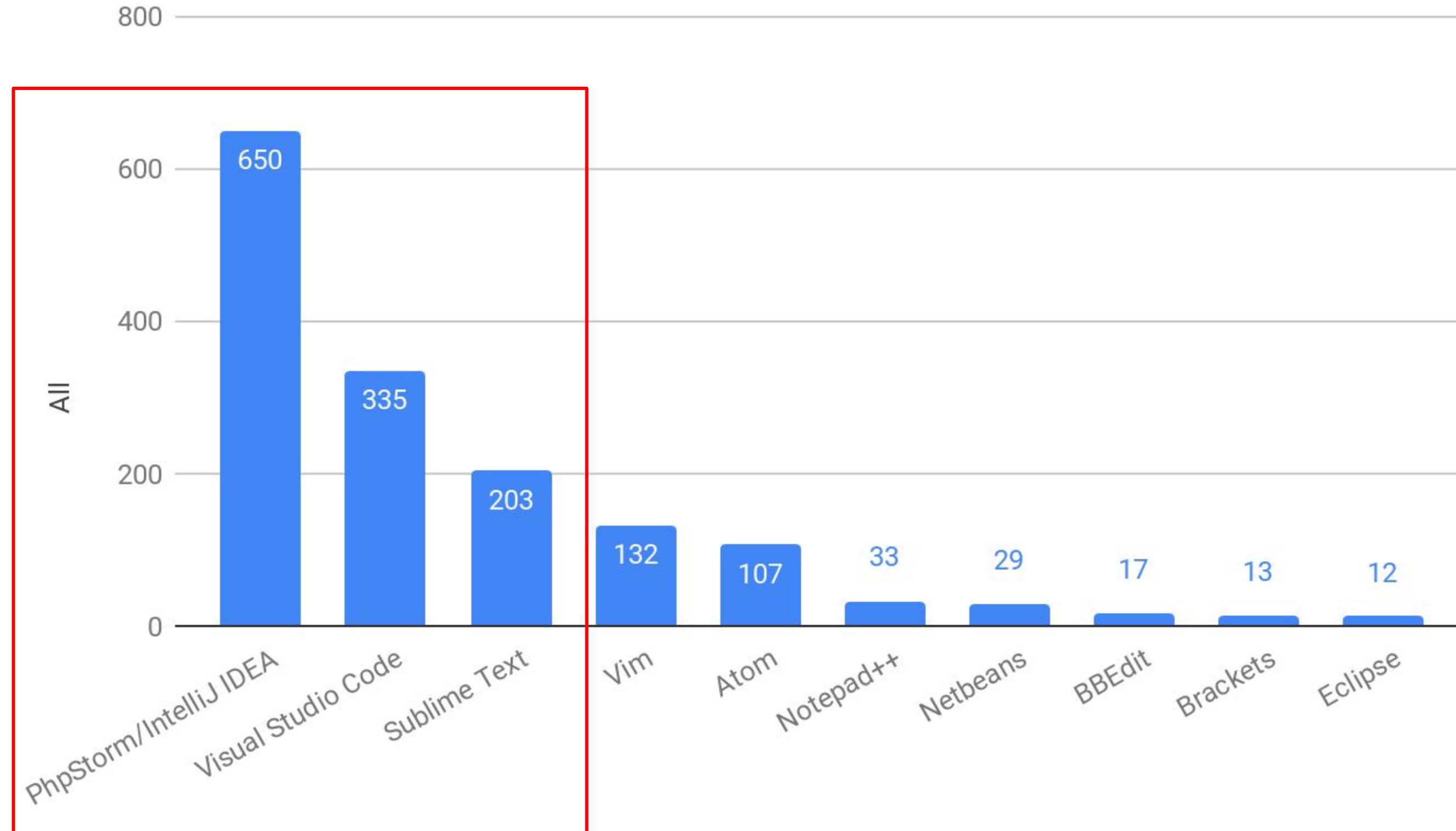
What do you use for code development?
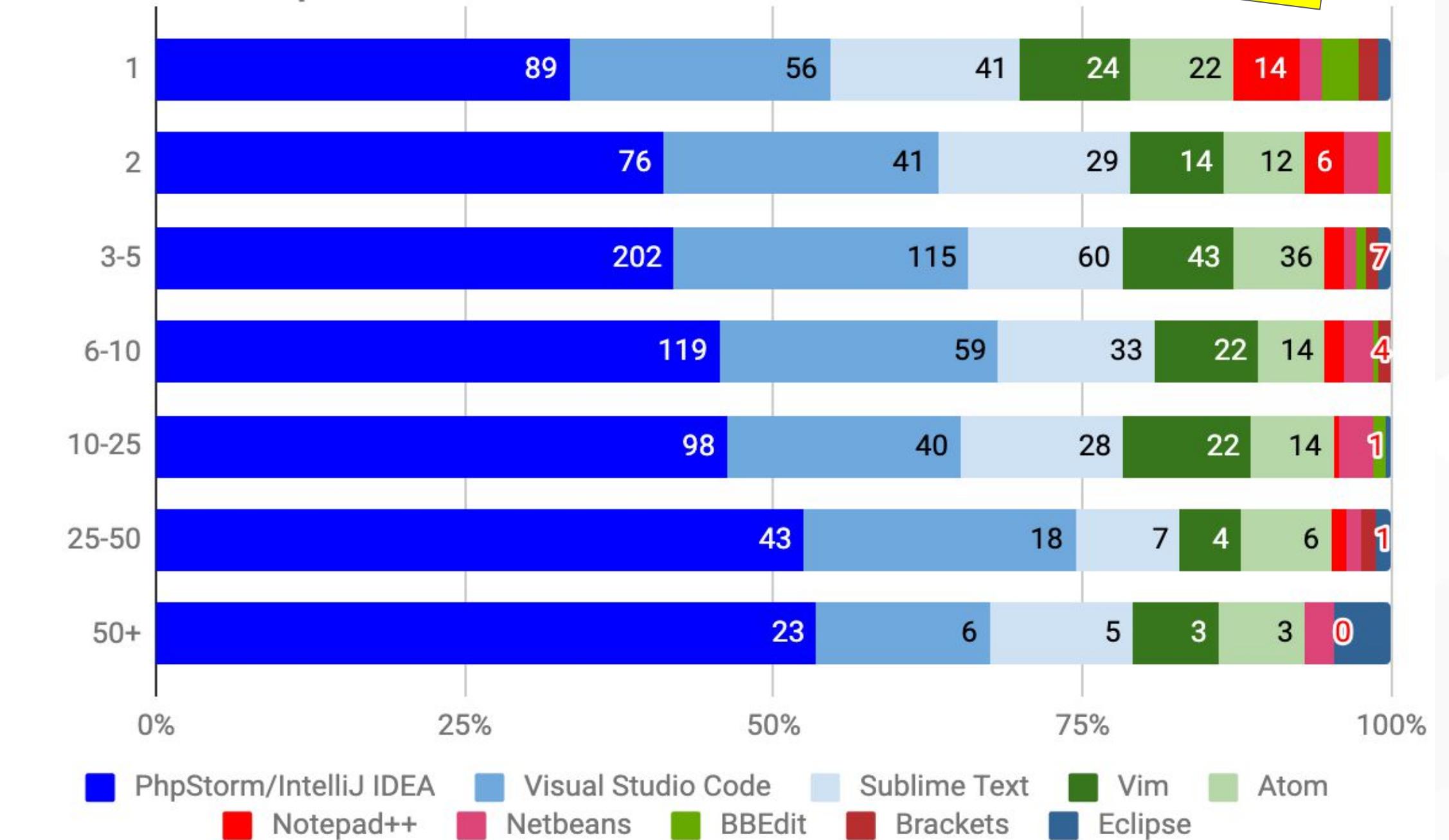
Code Development
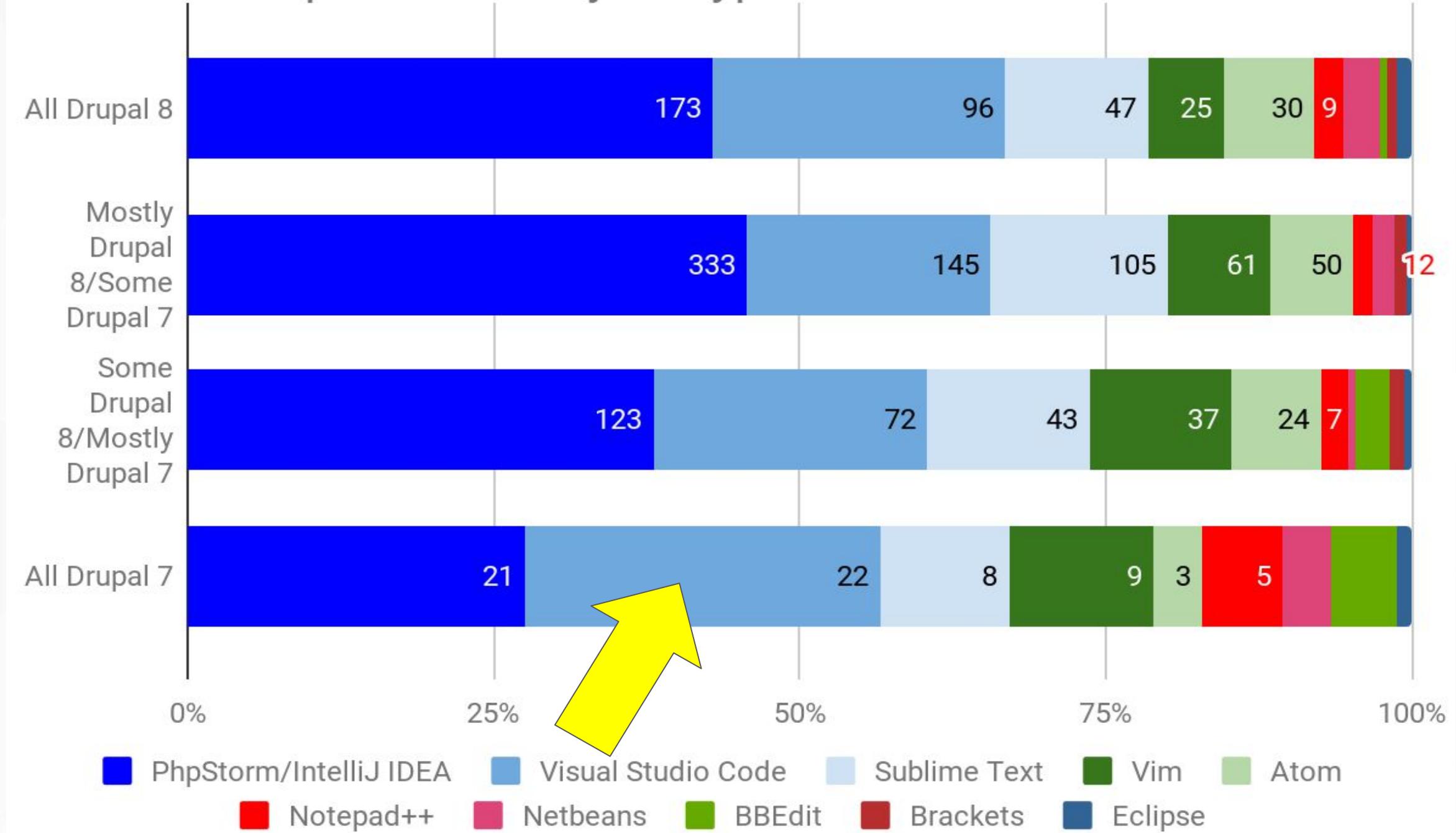
Honorable mention: Coda, Emacs, Textmate, Komodo, Geany, gedit, VI, Textpad, Cloud 9, neovim, Espresso
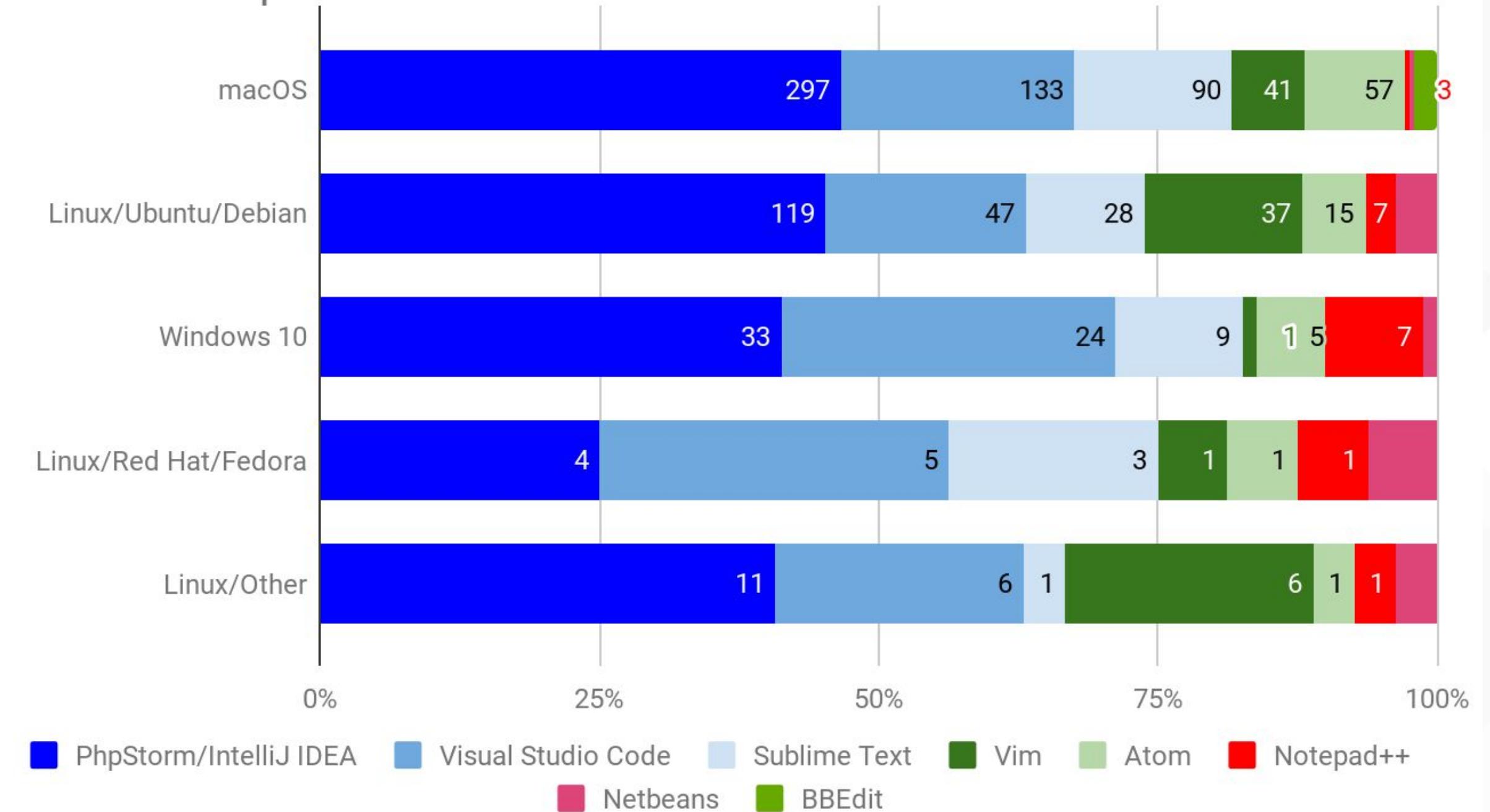
Code Development vs Team Size

Team Size	PhpStorm/IntelliJ IDEA	Visual Studio Code	Sublime Text	Vim	Atom	Notepad++	Netbeans	BBEdit	Brackets	Eclipse
1	89	56	41	24	22	14				
2	76	41	29	14	12	6				
3-5	202	115	60	43	36				7	
6-10	119	59	33	22	14				4	
10-25	98	40	28	22	14		1			
25-50	43	18	7	4	6		1			
50+	23	6	5	3	3		0			

Legend: PhpStorm/IntelliJ IDEA, Visual Studio Code, Sublime Text, Vim, Atom, Notepad++, Netbeans, BBEdit, Brackets, Eclipse
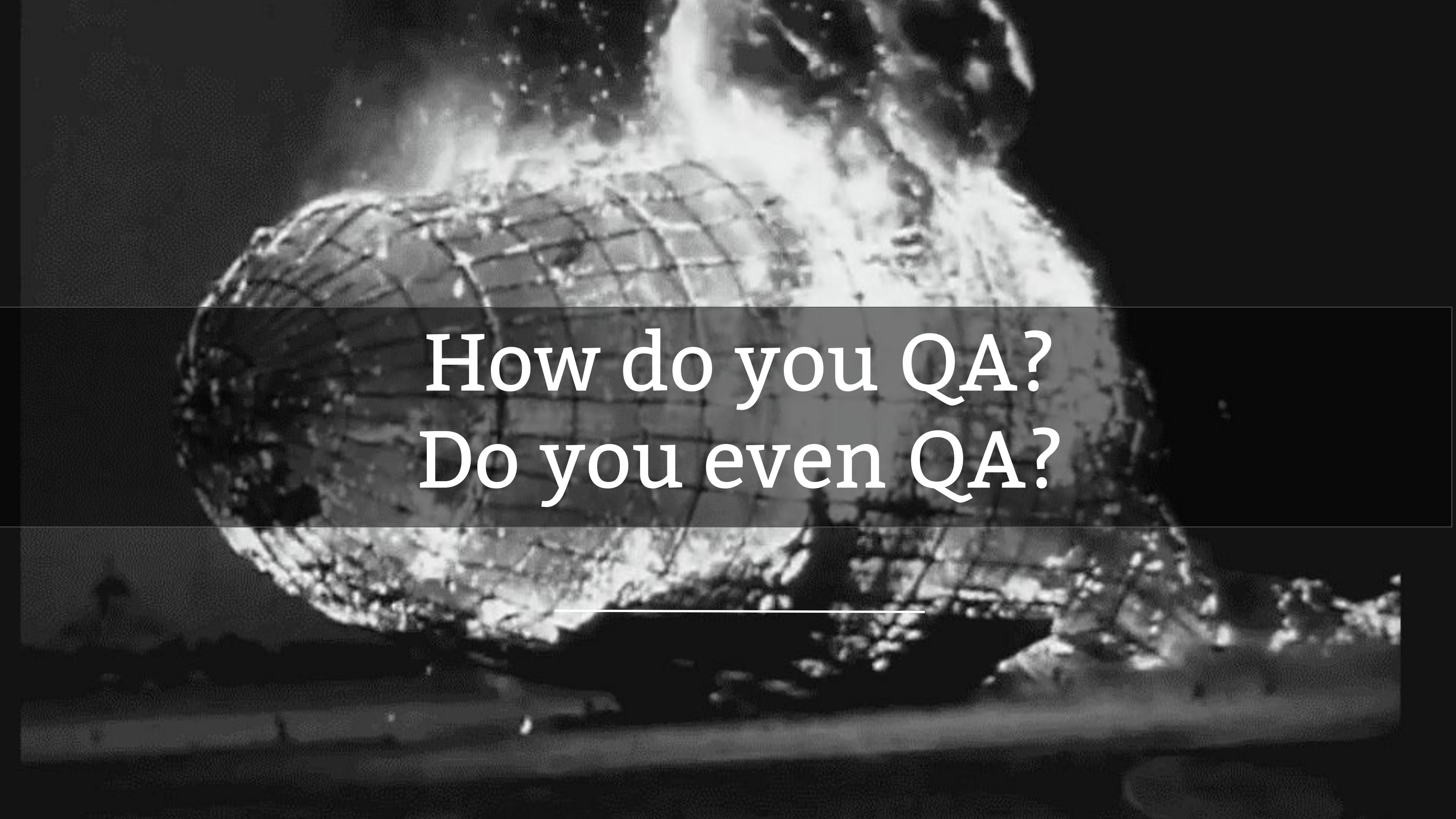
Code Development vs Project Type

	PhpStorm/IntelliJ IDEA	Visual Studio Code	Sublime Text	Vim	Atom	Notepad++
All Drupal 8	173	96	47	25	30	9
Mostly Drupal 8/Some Drupal 7	333	145	105	61	50	12
Some Drupal 8/Mostly Drupal 7	123	72	43	37	24	7
All Drupal 7	21	22	8	9	3	5

Legend: PhpStorm/IntelliJ IDEA, Visual Studio Code, Sublime Text, Vim, Atom, Notepad++, Netbeans, BBEdit, Brackets, Eclipse

Code Development vs Local OS

	PhpStorm/IntelliJ IDEA	Visual Studio Code	Sublime Text	Vim	Atom	Notepad++	Netbeans	BBEdit
macOS	297	133	90	41	57			3
Linux/Ubuntu/Debian	119	47	28	37	15	7		
Windows 10	33	24	9	1	5	7		
Linux/Red Hat/Fedora	4	5	3	1	1	1		
Linux/Other	11	6	1	6	1	1		
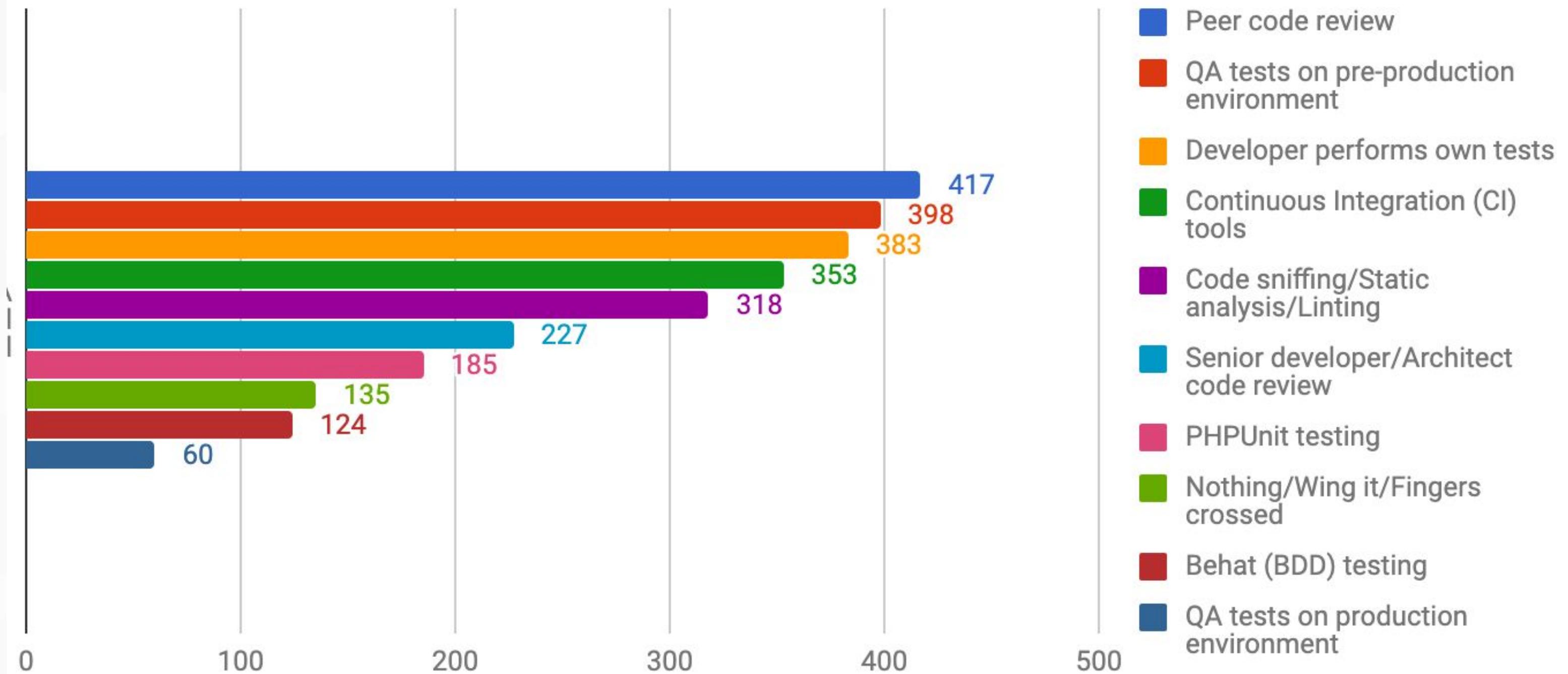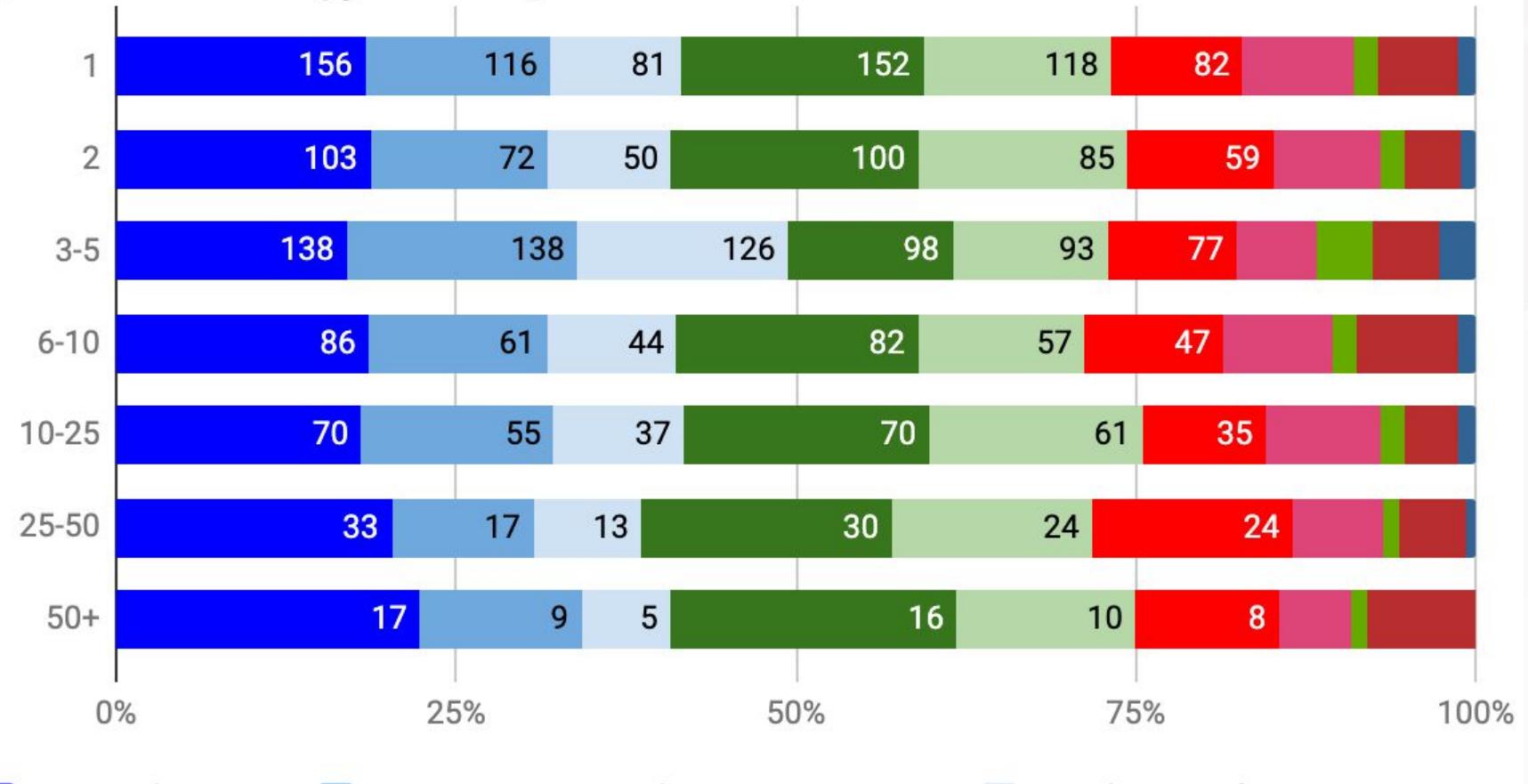
How do you QA?
Do you even QA?

QA methodology

	Value
Peer code review	417
QA tests on pre-production environment	398
Developer performs own tests	383
Continuous Integration (CI) tools	353
Code sniffing/Static analysis/Linting	318
Senior developer/Architect code review	227
PHPUnit testing	185
Nothing/Wing it/Fingers crossed	135
Behat (BDD) testing	124
QA tests on production environment	60
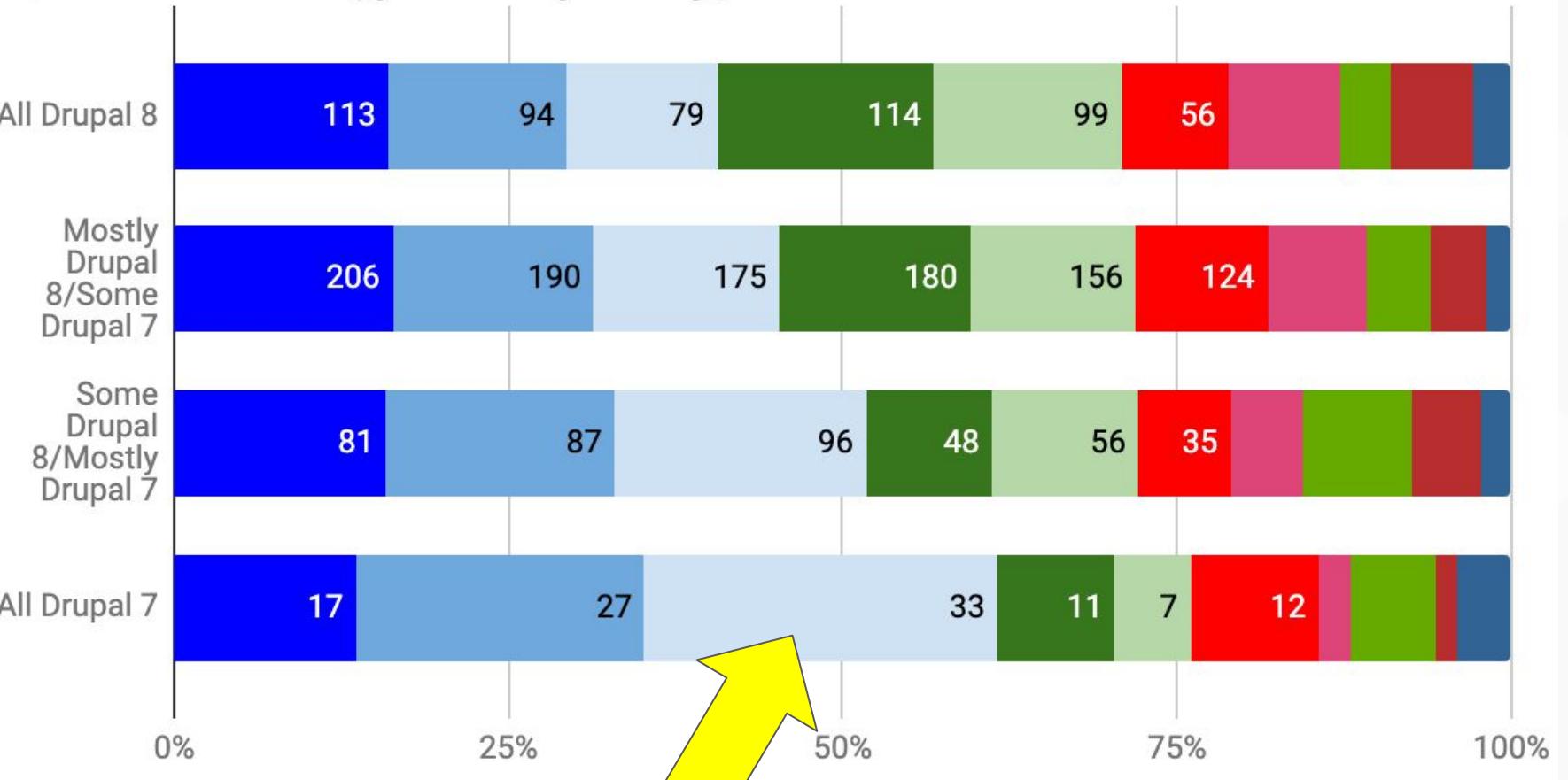
QA Methodology vs Drupal Team Size
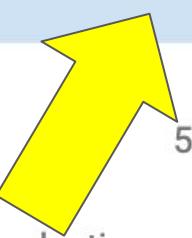
Team Size	Peer code review	QA tests on pre-production environment	Developer performs own tests	Continuous Integration (CI) tools	Code sniffing/Static analysis/Linting	Senior developer/Architect code review
1	156	116	81	152	118	82
2	103	72	50	100	85	59
3-5	138	138	126	98	93	77
6-10	86	61	44	82	57	47
10-25	70	55	37	70	61	35
25-50	33	17	13	30	24	24
50+	17	9	5	16	10	8

Legend:
- Peer code review
- QA tests on pre-production environment
- Developer performs own tests
- Continuous Integration (CI) tools
- Code sniffing/Static analysis/Linting
- Senior developer/Architect code review
- PHPUnit testing
- Nothing/Wing it/Fingers crossed
- Behat (BDD) testing
- QA tests on production environment

QA Methodology vs Project Type
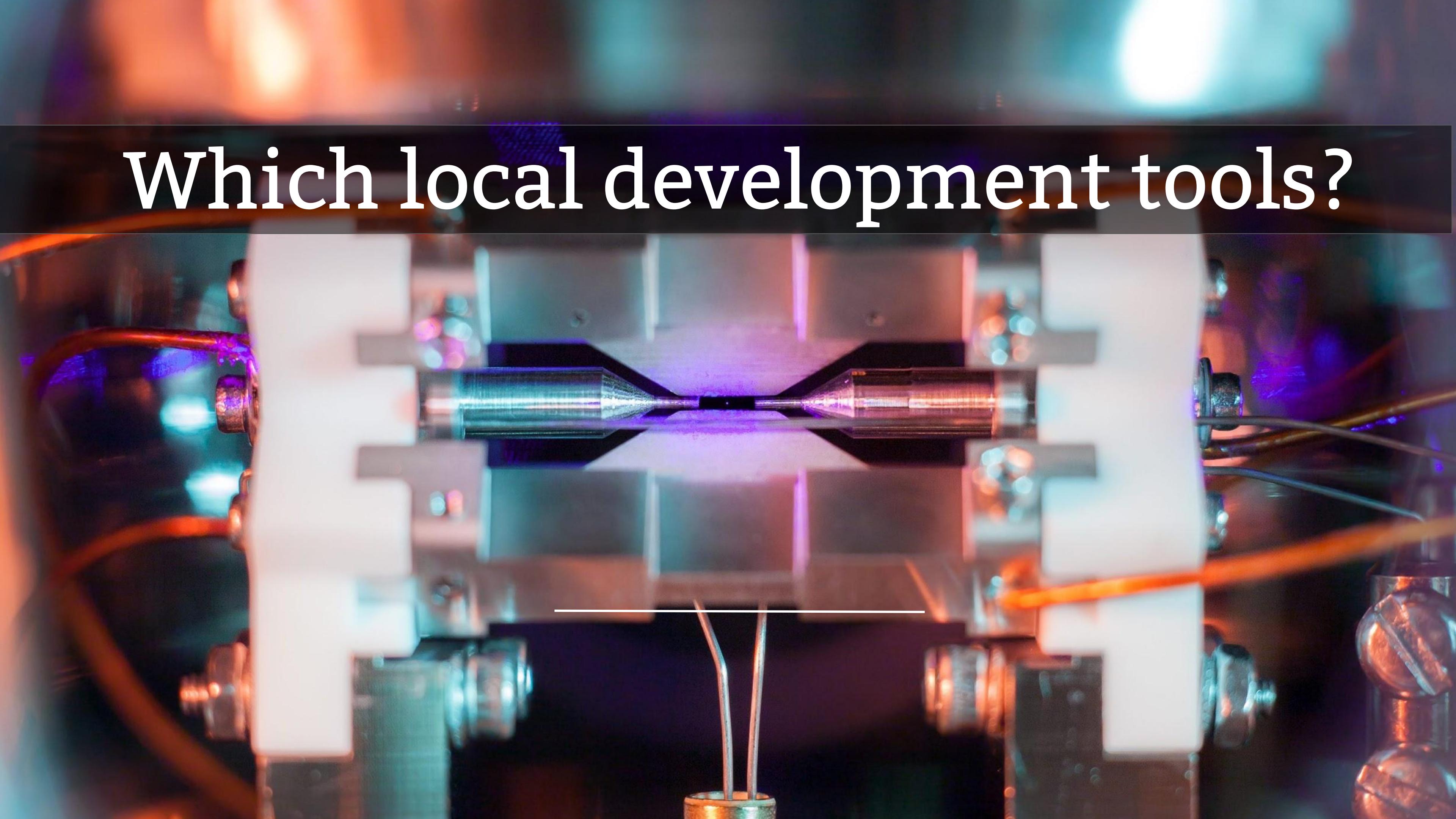
Project Type	Peer code review	QA tests on pre-production environment	Developer performs own tests	Continuous Integration (CI) tools	Code sniffing/Static analysis/Linting	Senior developer/Architect code review
All Drupal 8	113	94	79	114	99	56
Mostly Drupal 8/Some Drupal 7	206	190	175	180	156	124
Some Drupal 8/Mostly Drupal 7	81	87	96	48	56	35
All Drupal 7	17	27	33	11	7	12

Legend:
- Peer code review
- QA tests on pre-production environment
- Developer performs own tests
- Continuous Integration (CI) tools
- Code sniffing/Static analysis/Linting
- Senior developer/Architect code review
- PHPUnit testing
- Nothing/Wing it/Fingers crossed
- Behat (BDD) testing
- QA tests on production environment
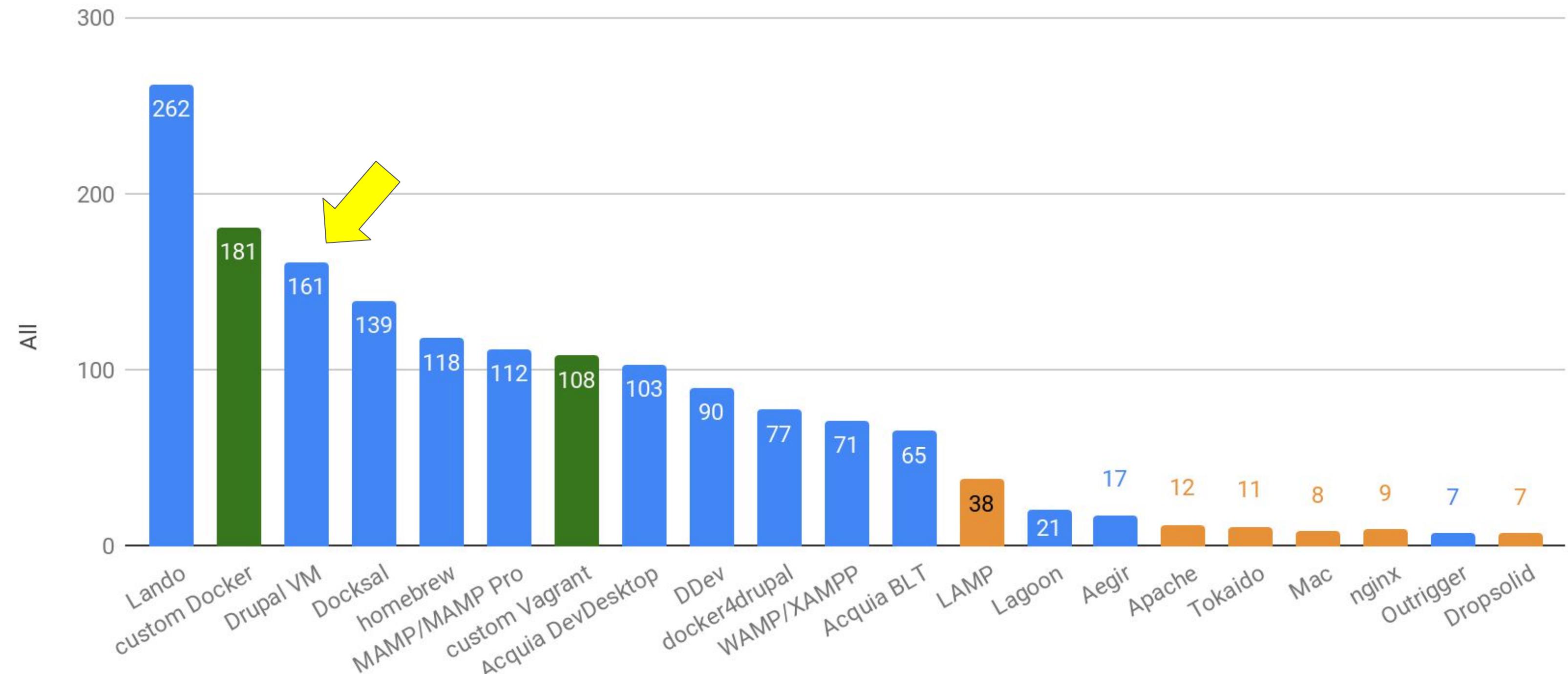
Which local development tools?
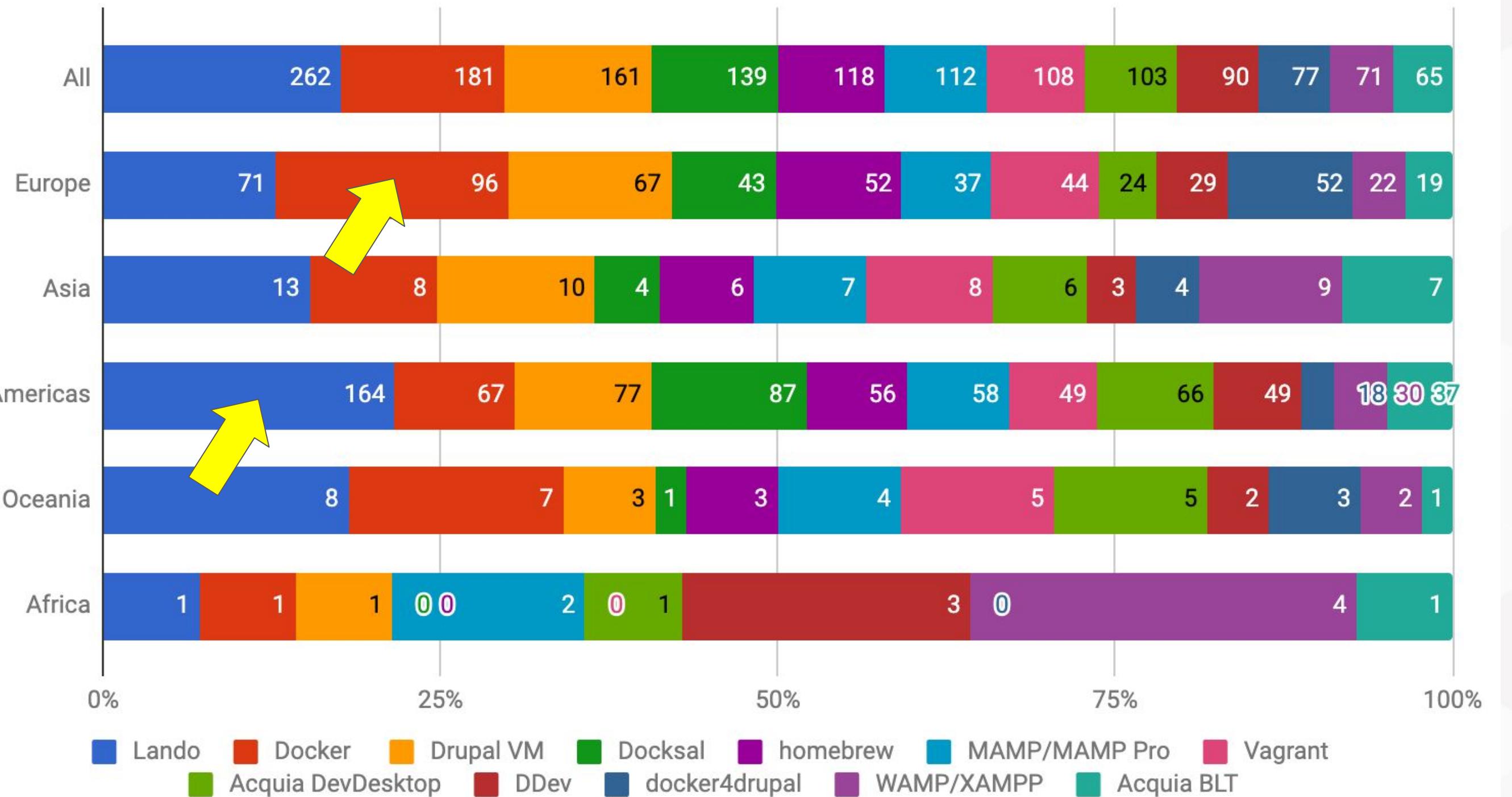
Local Development Tools

Honorable mention: Amazee.io, Wodby, Laragon, Cloud 9, Laradock, bitnami, Lakedrops

Local Development Tools

Region	Lando	Docker	Drupal VM	Docksal	homebrew	MAMP/MAMP Pro	Vagrant	Acquia DevDesktop	DDev	docker4drupal	WAMP/XAMPP	Acquia BLT
All	262	181	161	139	118	112	108	103	90	77	71	65
Europe	71	96	67	43	52	37	44	24	29	52	22	19
Asia	13	8	10	4	6	7	8	6	3	4	9	7
Americas	164	67	77	87	56	58	49	66	49	18	30	37
Oceania	8	7	3	1	3	4	5	5	2	3	2	1
Africa	1	1	1	0	0	2	0	1	3	0	4	1

Lando (#3 in 2018) top overall, overtakes Drupal VM (1), custom Docker (2)
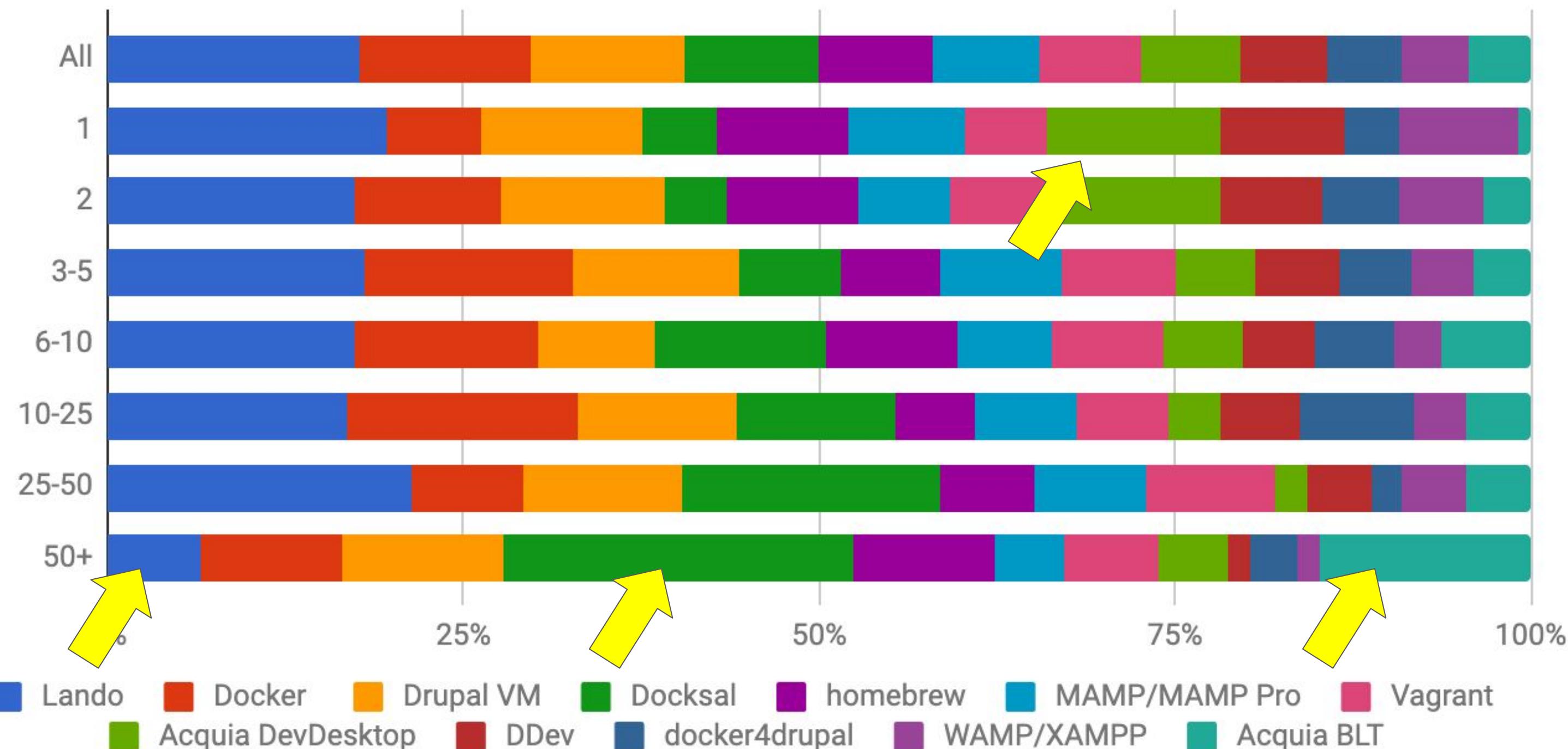
Custom Docker top favorite in Europe

Vagrant and WAMP/XAMPP popular in Asia
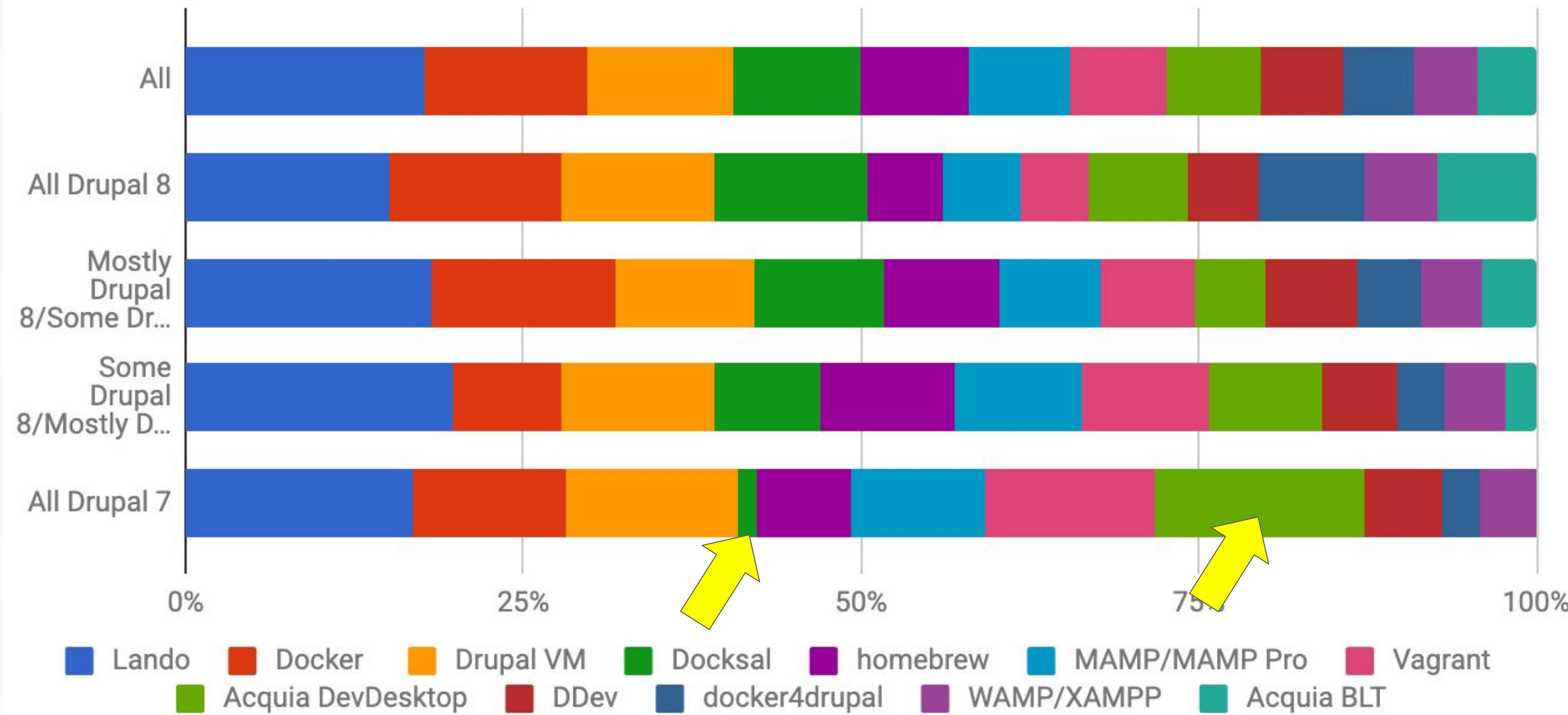
Lando, Docksal popular in Americas

DDev, WAMP top in Africa

homebrew jumps from #12 to #5
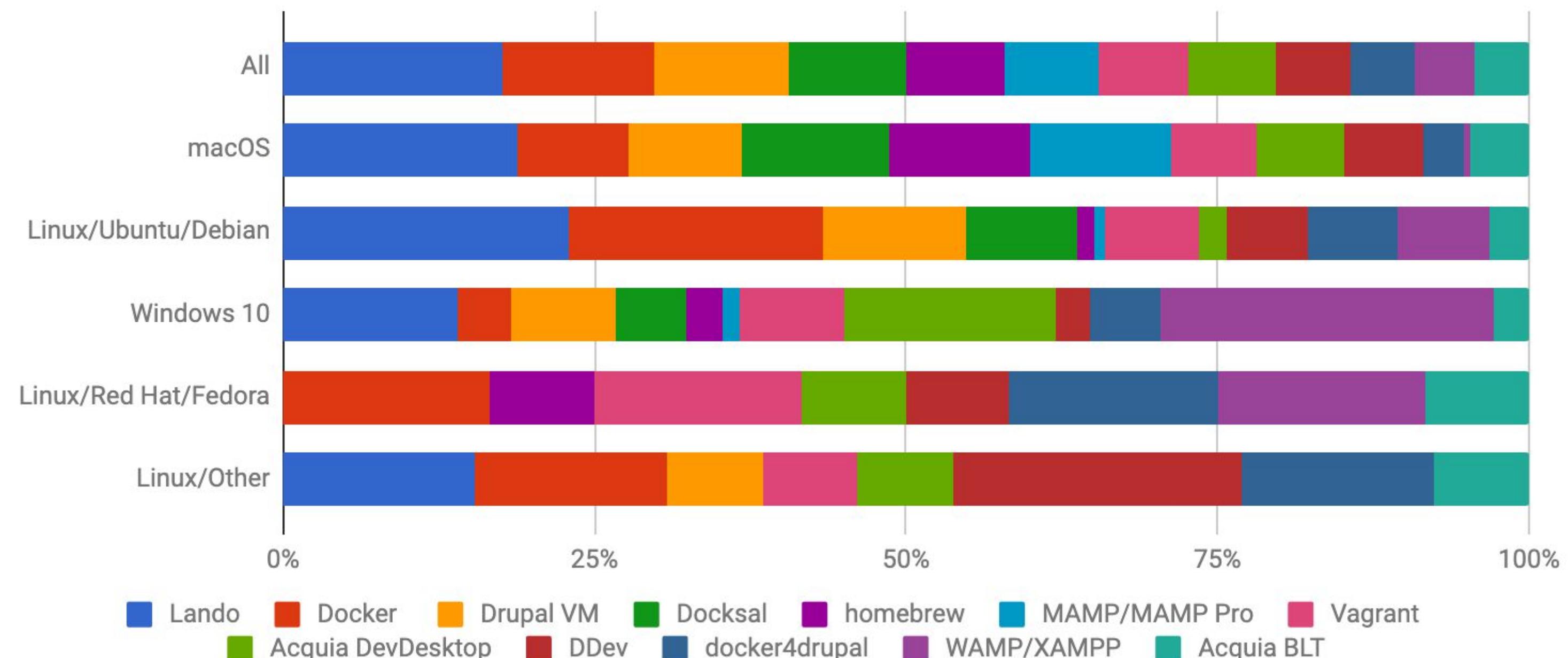
Local Development Tools by Drupal Team Size

Legend: Lando, Docker, Drupal VM, Docksal, homebrew, MAMP/MAMP Pro, Vagrant, Acquia DevDesktop, DDev, docker4drupal, WAMP/XAMPP, Acquia BLT

Rows: All, 1, 2, 3-5, 6-10, 10-25, 25-50, 50+

Local Development Tools by Project Type

Local Development Tools by local OS

Thanks!

What did you think?

Locate this session at the DrupalCon Seattle website:

http://seattle2019.drupal.org/schedule

Take the Survey!

https://www.surveymonkey.com/r/DrupalConSeattle

Thank you!