THE PERL SURVEY 2010

Preliminary report

Greetings from Australia

Thank you GPW/Stuttgart.pm

Background

* Perl Survey 2007
    * Lots of useful demographic information
    * Very little opinion and perl usage
* Perl Survey ~~2009~~ 2010
    * More extensive instrument
    * Seek opinions about Perl and find out about usage

The Number of Perl Programmers

* Using the survey data, I estimate the population of Perl programmers as at least :

250,000

* Ask me later if you want to know how I made this estimate.

Results

* Survey ran for three weeks.
* >1000 responses within the first 24 hours
* 2100 responses after the first week
* 4461 total starts
* 4077 non-blank responses
* 3358 completed surveys

Demographics

* Gender
    * Male (4294, 96%), Female (139, 3%), Other (28, 1%)
* Age

	<20	20-24	25-30	30-39	40-49	50+
Frequency	94	466	975	1830	817	306
Percent	2	10	22	41	18	17

Country of residence - top 40

Country	Count	Percent
usa	1395	28.79
germany	689	14.22
not stated	455	9.39
united kingdom	368	7.60
canada	157	3.24
russian federation	155	3.20
australia	139	2.87
france	135	2.79
india	122	2.52
austria	94	1.94
brazil	83	1.71
norway	66	1.36
netherlands	58	1.20
spain	53	1.09
ukraine	52	1.07
italy	51	1.05
poland	49	1.01
new zealand	42	0.87
sweden	40	0.83
china	39	0.80

Country	Count	Percent
switzerland	39	0.80
(Other)	34	0.70
romania	31	0.64
denmark	29	0.60
finland	28	0.58
hungary	26	0.54
israel	24	0.50
portugal	21	0.43
argentina	20	0.41
indonesia	18	0.37
ireland	18	0.37
mexico	18	0.37
croatia	17	0.35
japan	16	0.33
belarus	15	0.31
belgium	15	0.31
south africa	15	0.31
korea	12	0.25
slovakia	12	0.25
bulgaria	11	0.23

Programmer mobility

* Look at the most popular countries.
  * USA: 14.1% are immigrants from 70 countries
    * India (16%), UK (12%), Canada (9%), Germany (5.5%) Russia (4%), France (3%), Australia Israel, S Korea (2%)

Immigrants to Germany

* 8.6% of german residents are immigrants from 27 countries
    * Russia (15%), Austria (12%), Poland (12%), UK (7%), Australia (5%)

Immigrants to UK

* 20% of UK residents are immigrants from 29 countries
    * USA (11%), Australia (10%), NZ (8.5%), Canada France Poland Spain (5.5%), Germany, Ireland, Italy (4.%)

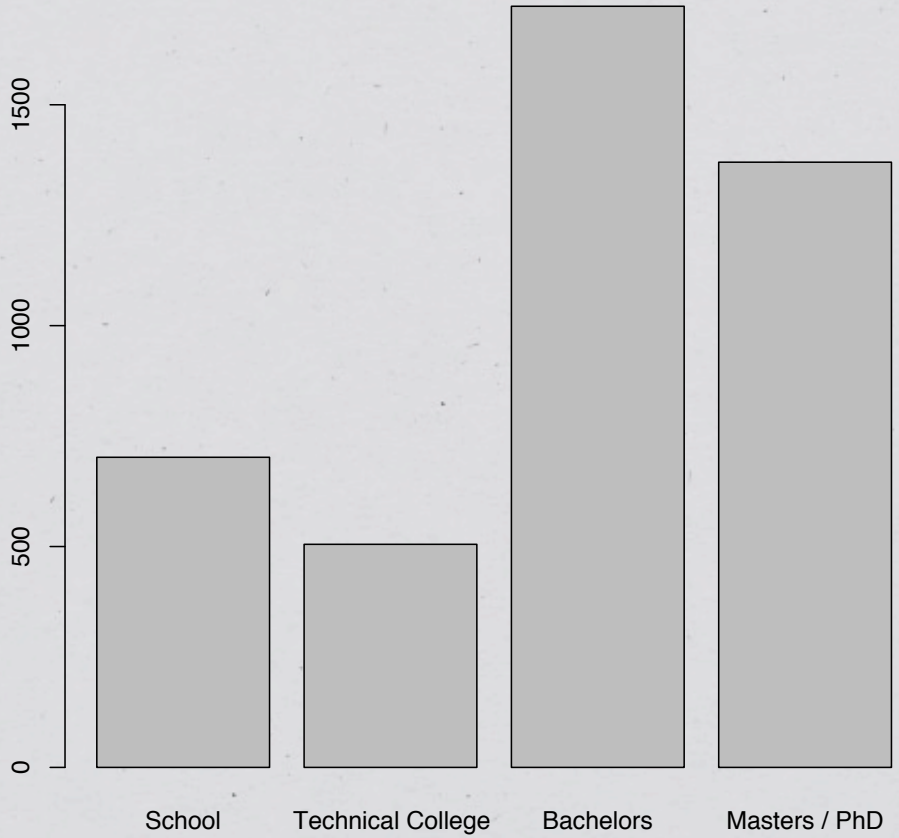
Canada and Australia

* Canada 30% immigrants from 21 countries
    * USA (22%), UK (16%), India Russia (9%), China,France, Germany, Hungary, Iran, Romania (4%)
* Australia 34% immigrants from 22 countries
    * UK (34%), NZ (11.5%), India Indonesia USA (6.5%), China (5%), Malaysia (3%)

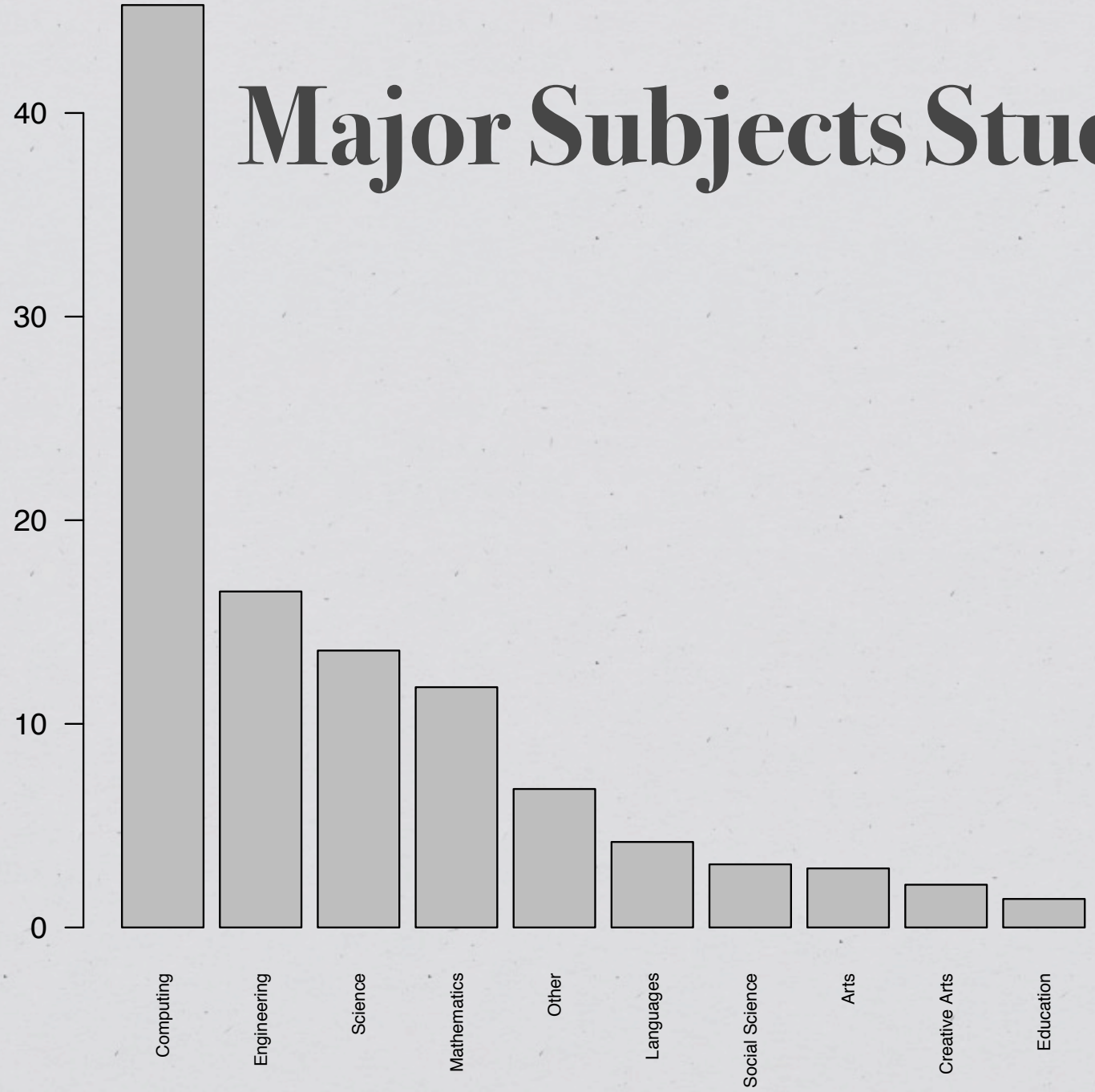
Immigrants to other major countries

* Russian Federation - all immigrants come from the former USSR
* France & Austria - Similar countries and proportion to Germany

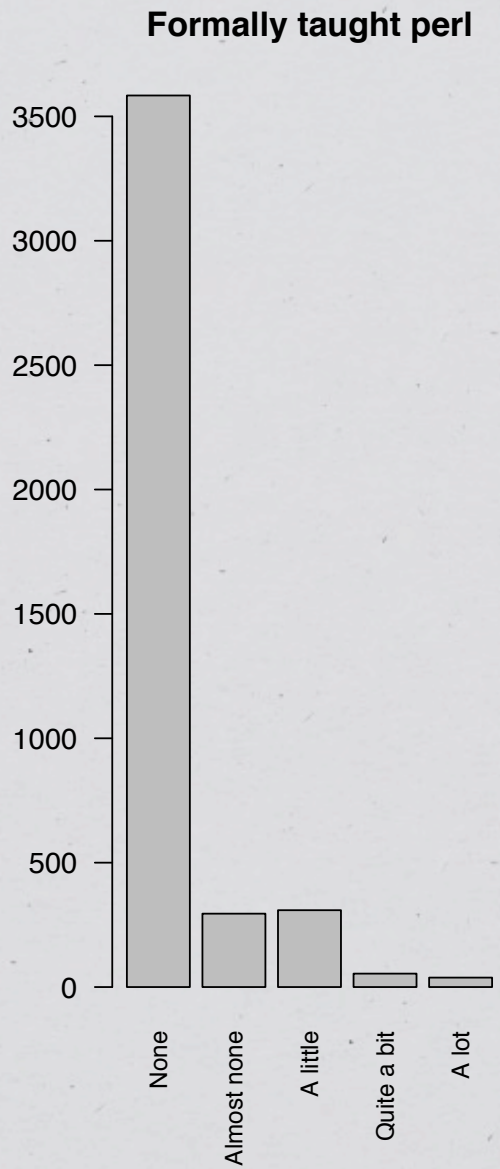
Education

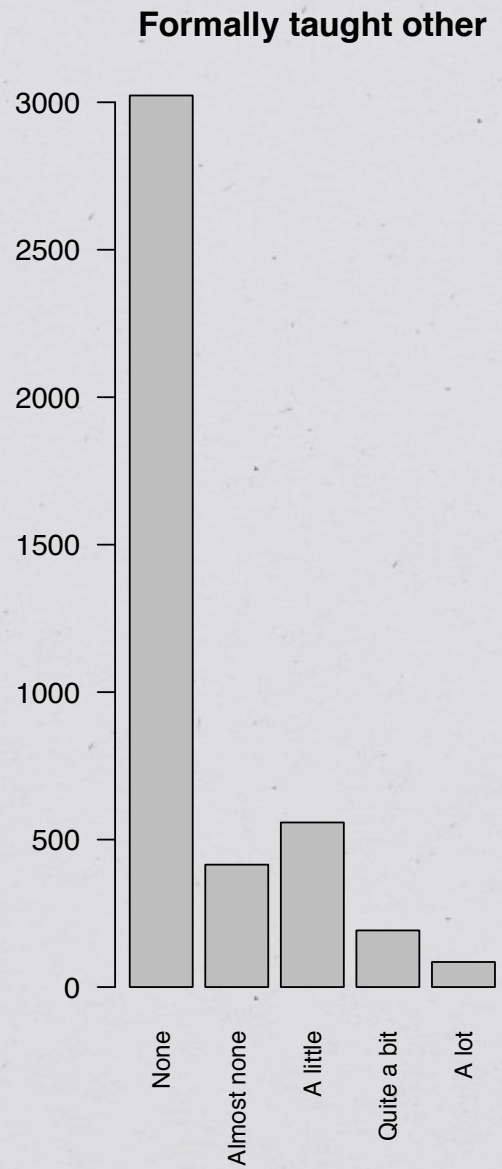

0
500
1000
1500
School
Technical College
Bachelors
Masters / PhD

Major Subjects Studied

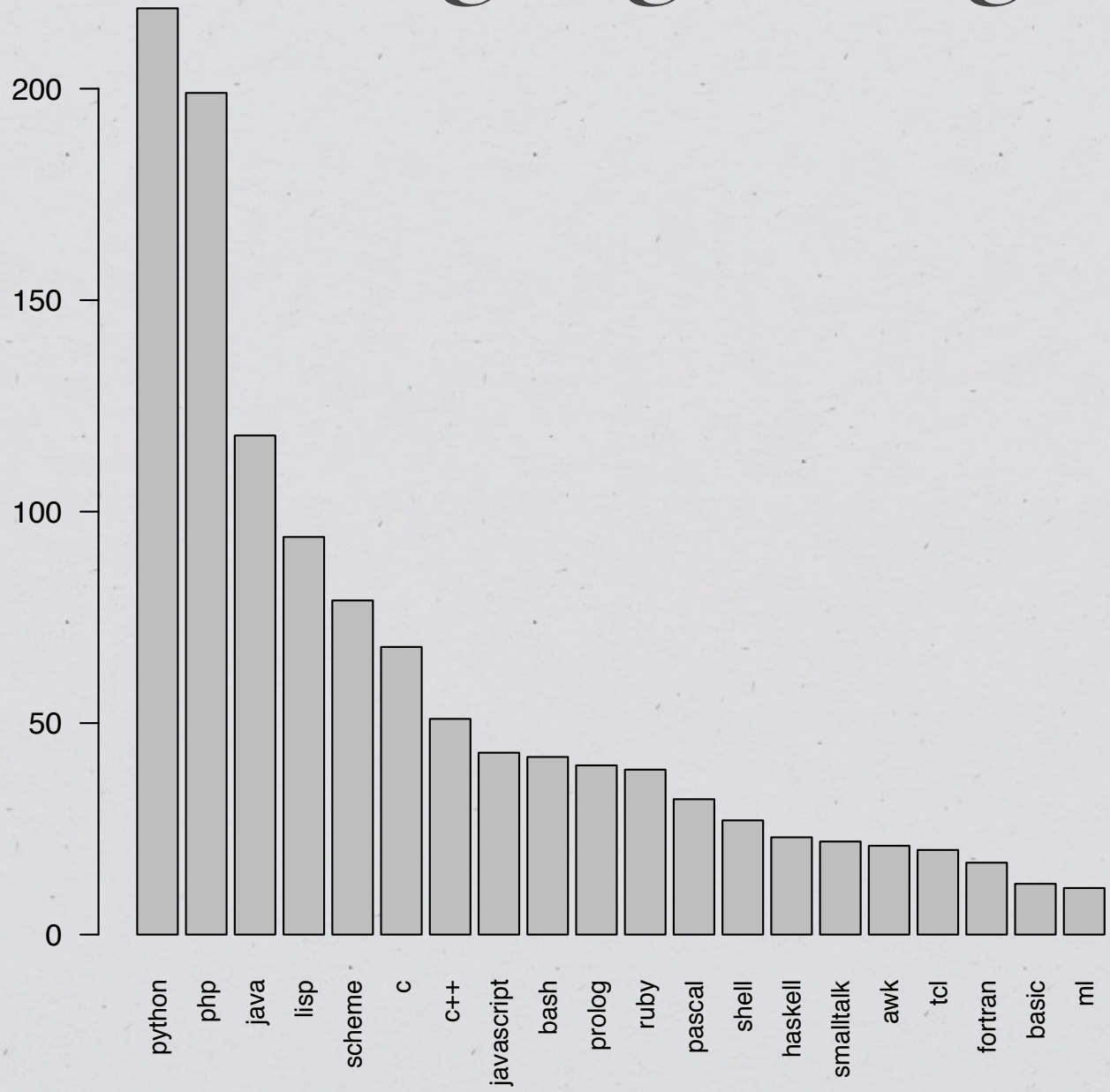


Formal Perl Education





Other languages taught

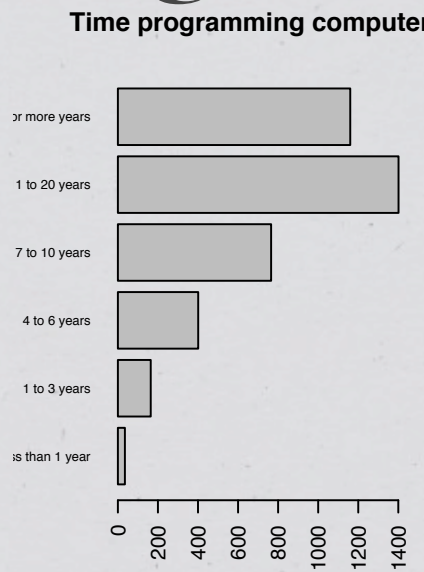


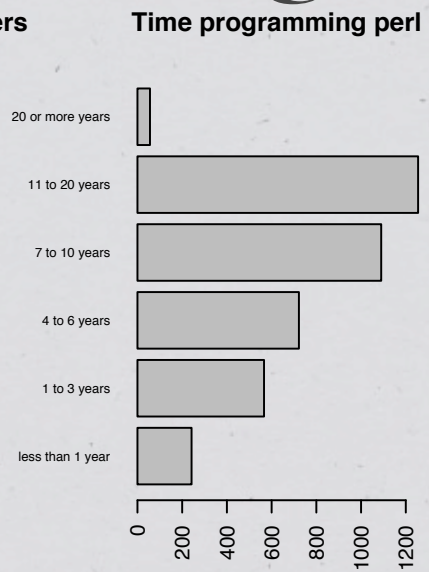
Work Sectors

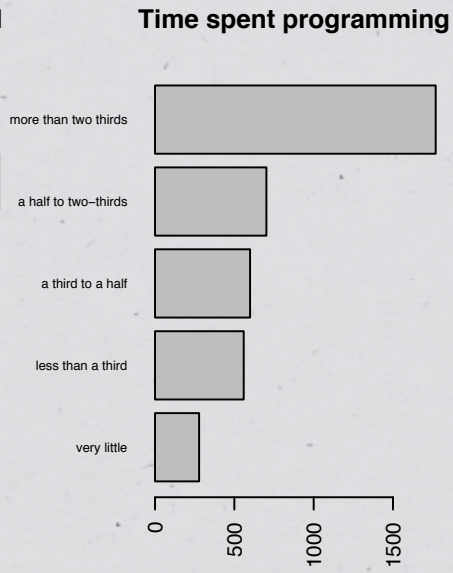
Sector	Count
Computers_Software	1785
Computers_Services	925
Internet	774
Education	348
Telecommunications	326
Science	282
Consulting_Services	273
Financial	265
Computers_Hardware	178
Government	179
Other	170
Advertising_Marketing_Public_Relations	154
Publishing	126
Engineering	138
Nonprofit	116
Entertainment	105
Health_Care	97
Creative.Design	82
Manufacturing	74
Automotive	73

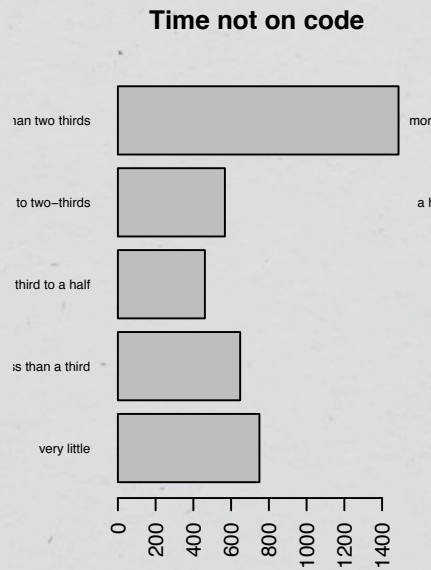
Sector	Count
Electronics	69
Medical.Healthcare	67
Retail	67
Transportation	53
Architectural_Services	51
Customer_Service	48
Hospitality.Tourism	46
Agriculture.Forestry.Fishing	46
Insurance	44
Consumer_Products	44
Military	39
Energy.Utilities	38
Real_Estate	29
Environmental	22
Human_Resources	22
Legal	21
Sports_Recreation	16
Construction_Mining	14
Textiles	5

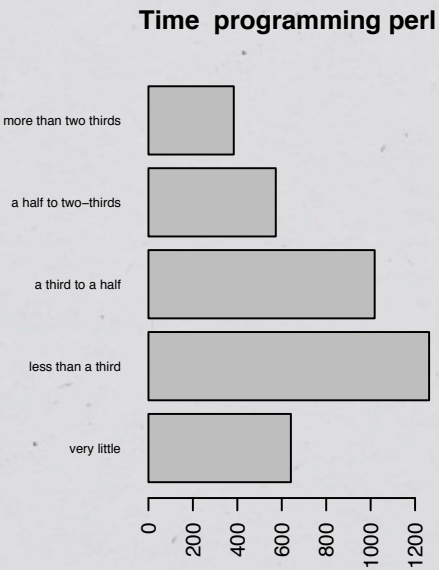
Programming experience

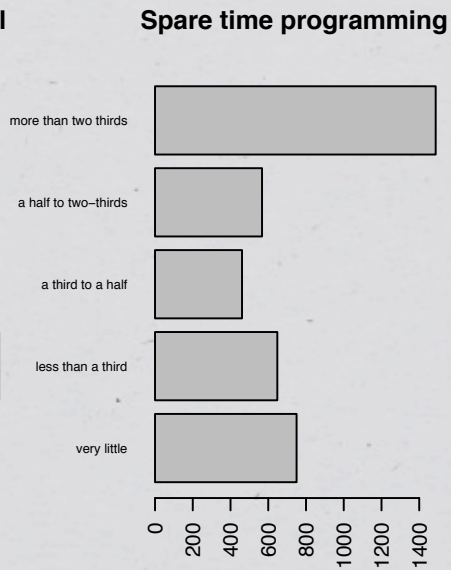








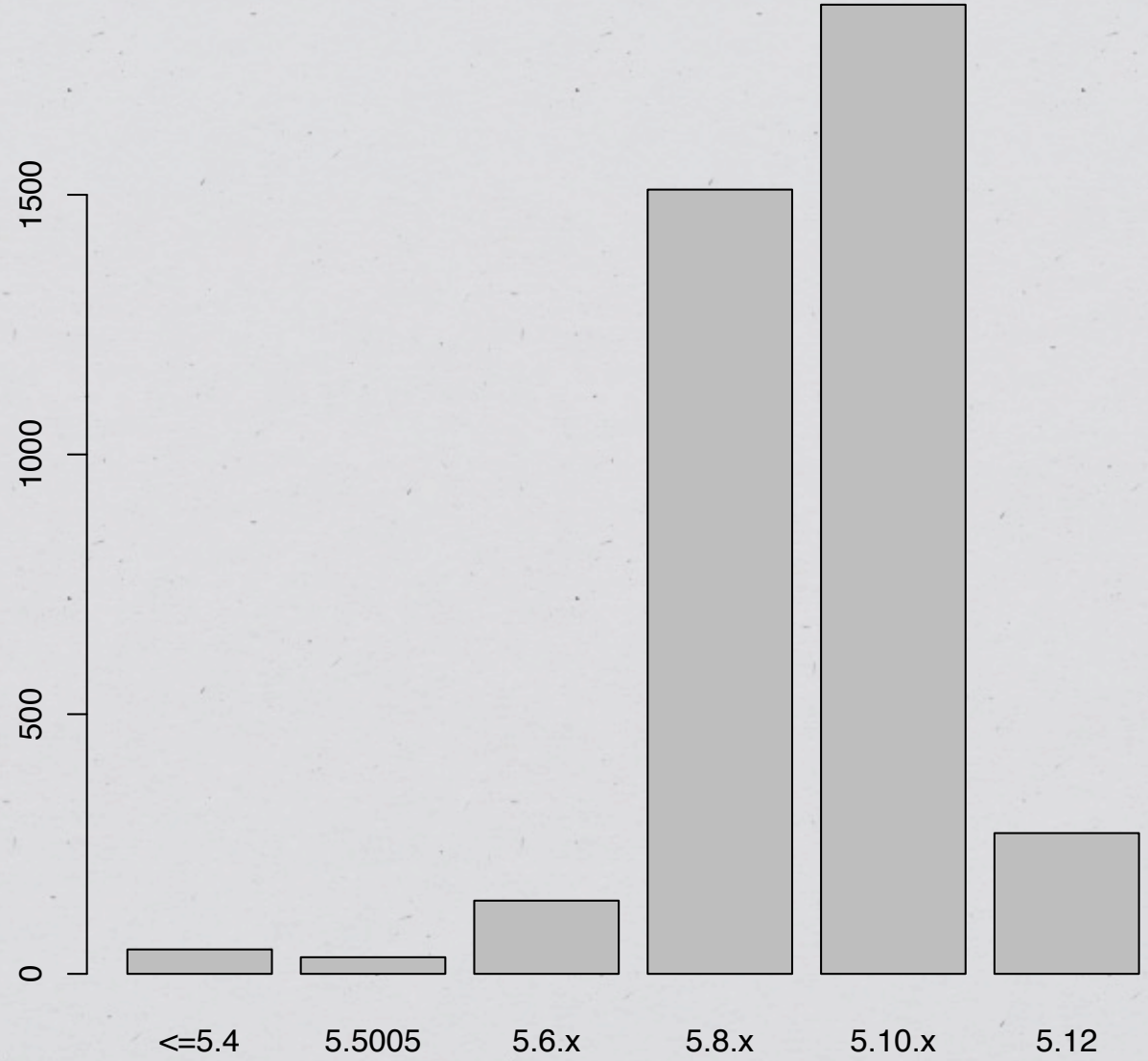




Perl Versions Used

Version	Count	Percent
5.4	113	2
5.0005	142	3
5.6	548	11
5.8	2756	57
5.10	2728	56
5.12	628	13

Most commonly used perl



Development OS

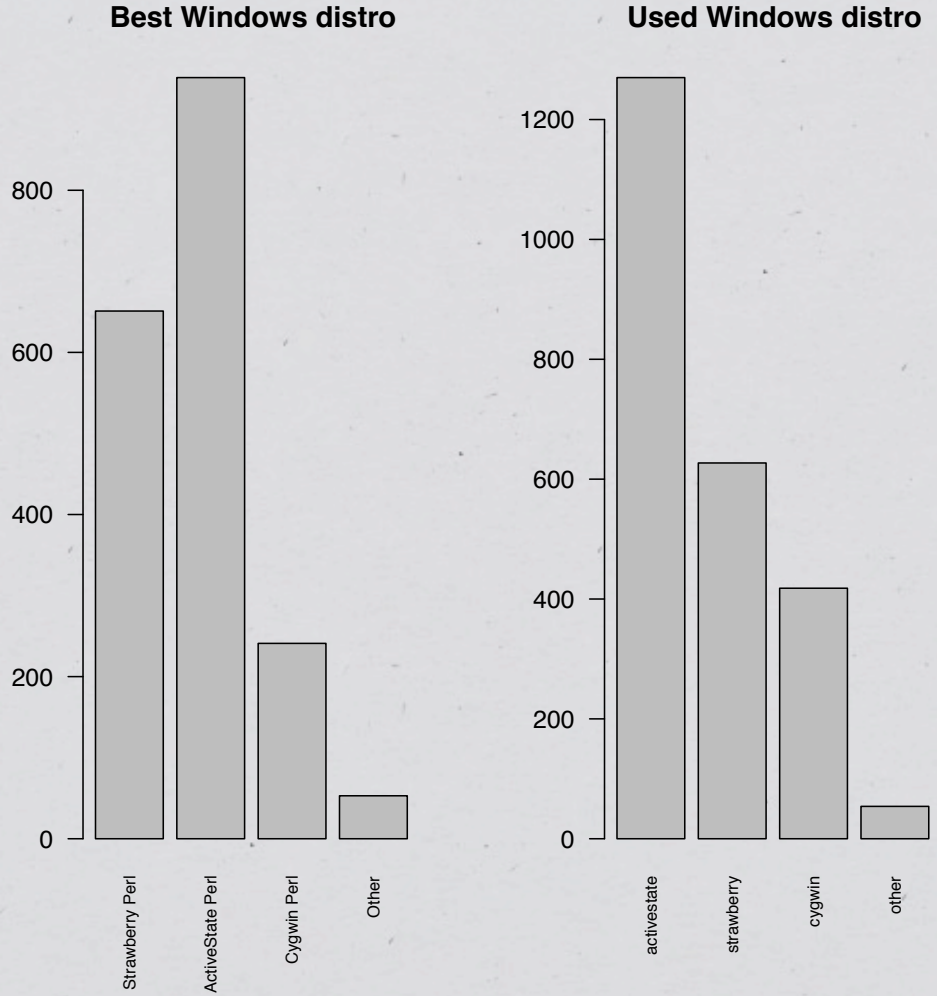
OS	Count	Percent
Linux_._ubuntu	1605	33
Linux_._debian	1098	23
Linux_._redhat_q..centos	1095	23
Windows_XP	1041	21
Mac_OS_X_for_personal_computers	977	20
Windows_7	415	9
Unix_._Solaris	424	9
Linux_._suse	310	6
Linux_._fedora	369	8
Linux_._other	331	7
BSD_._freebsd	294	6
Windows_Vista	235	5
Linux_._gentoo	192	4
Windows_2003_server	179	4

Deployment OS

OS	Count	Percent
Linux_._redhat_q.centos	1535	32
Linux_._debian	1217	25
Linux_._ubuntu	1133	23
Windows_XP	850	18
Unix_._Solaris	601	12
Linux_._suse	474	10
Linux_._other	468	10
Linux_._fedora	465	10
Windows_2003_server	443	9
Windows_7	370	8
Mac_OS_X_for_personal_computers	405	8
BSD_._freebsd	348	7
Windows_Vista	310	6
Linux_._gentoo	274	6
Unix_._HPUX	167	3
Windows_2k	164	3
Unix_._AIX	163	3
Mac_OS_X_Server	118	2
BSD_._openbsd	105	2
Other	99	2
Windows_NT	94	2
Android	69	1
BSD_._netbsd	52	1
Unix_._Other	50	1
Mac_OS_X_for_iPhone.iPod_Touch	48	1
Windows_98	39	1
VMS	36	1

Perl on Windows

* Windows is the 2nd biggest deployment platform after Linux
* So understanding Windows usage is important (unfortunately)



CPAN Devs Take Note

* Microsoft provide VMs for testing via their Australian data centre for all people with a CPAN account with 7 versions of Windows.
  * http://use.perl.org/~Alias/journal/39318
  * Mail adamk@cpan.org for a login
  * or join #msopensource on irc.perl.org

Other Programming Languages Used

language	count	percent	mean rank	sd rank
perl	4845	100.00	2.57	1.78
c	1389	28.67	3.15	1.37
javascript	1277	26.36	2.90	1.15
java	1181	24.38	3.07	1.60
python	990	20.43	3.19	1.47
php	967	19.96	2.85	1.35
bash	891	18.39	3.19	1.24
c++	878	18.12	3.04	1.51
ruby	450	9.29	3.20	1.51
sql	366	7.55	3.01	1.22
c#	271	5.59	2.90	1.58
shell	134	2.77	3.16	1.19
haskell	104	2.15	3.93	1.46
objective c	78	1.61	3.47	1.41
sh	72	1.49	3.21	1.35
visual basic	69	1.42	3.49	1.21
awk	64	1.32	3.98	1.23
r	63	1.30	3.11	1.35
lua	55	1.14	4.16	1.42
scheme	53	1.09	3.49	1.54

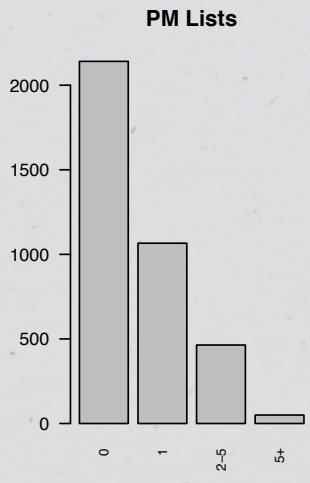
Main Text Editors Used

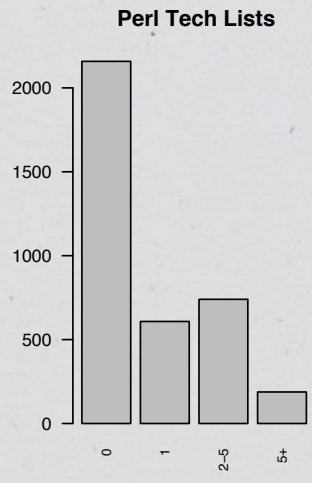
Editor	Count	Percent		Editor	Count	Percent
Vim	1787	37		Crimson	47	1
Emacs	733	15		TextWrangler	40	1
Vi	473	10		Joe	40	1
Gvim	358	7		NEdit	37	1
Eclipse_EPIC	326	7		Mcedit	33	1
Notepad++	304	6		DzSoft_Perl	27	1
TextMate	147	3		PSPad	25	1
Gedit	134	3		KDevelop	23	0
Ultra_Edit_	122	3		Anjuta	20	0
Komodo_Edit	114	2		Smultron	19	0
Kate	111	2		PerlWiz	17	0
Komodo_IDE	107	2		Far	16	0
Padre	103	2		Jed	15	0
Xemacs	96	2		KEdit	14	0
Nano	68	1		Open_Perl_IDE	13	0
BEdit	62	1		SlickEdit	12	0
TextPad	58	1		Notepad2	11	0
Notepad	57	1		OptiPerl	9	0
SciTE	55	1		Perl_Express	5	0
Geany	49	1		EngInSite.Perl	4	0
EditPlus	49	1		Kephra	2	0
JEdit	47	1				

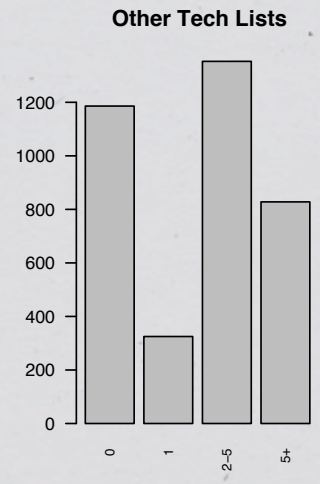
Occasional Editors Used

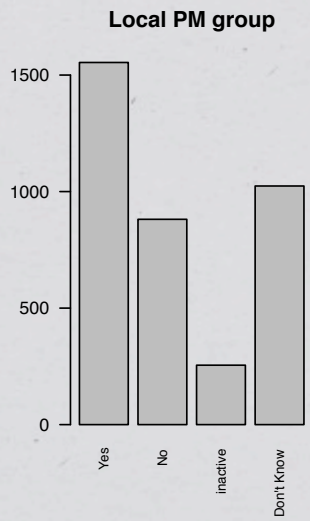
Editor	Count	Percent		Editor	Count	Percent
Vim	825	17		JEdit	49	1
Vi	626	13		Joe	42	1
Notepad++	289	6		EditPlus	42	1
Eclipse_EPIC	268	6		Mcedit	41	1
Emacs	257	5		TextWrangler	39	1
Gvim	235	5		Crimson	32	1
Gedit	229	5		PSPad	31	1
Notepad	224	5		Anjuta	30	1
Padre	182	4		NEdit	29	1
Nano	164	3		KDevelop	27	1
Ultra_Edit_	116	2		Far	22	0
Kate	112	2		Notepad2	21	0
Komodo_Edit	100	2		Smultron	17	0
Xemacs	81	2		Open_Perl_IDE	17	0
Komodo_IDE	81	2		DzSoft_Perl	13	0
TextMate	78	2		Jed	10	0
TextPad	74	2		SlickEdit	6	0
SciTE	62	1		Perl_Express	5	0
Geany	59	1		OptiPerl	5	0
KEdit	57	1		PerlWiz	2	0
BBEdit	54	1		Kephra	2	0
Pico	51	1		EngInSite.Perl	2	0

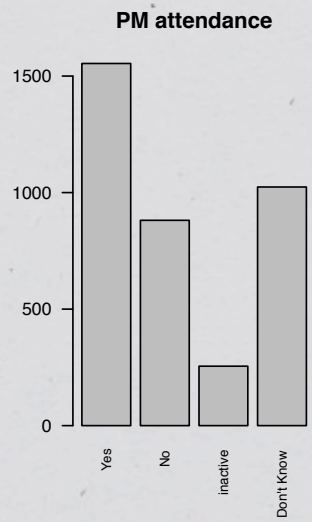
Community Involvement

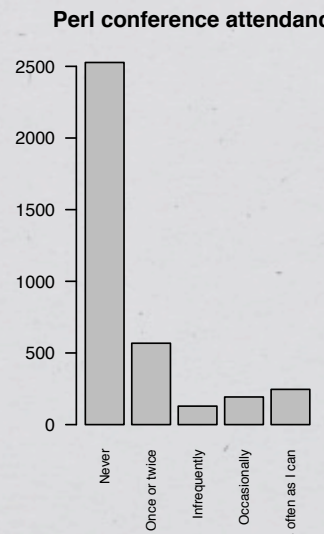




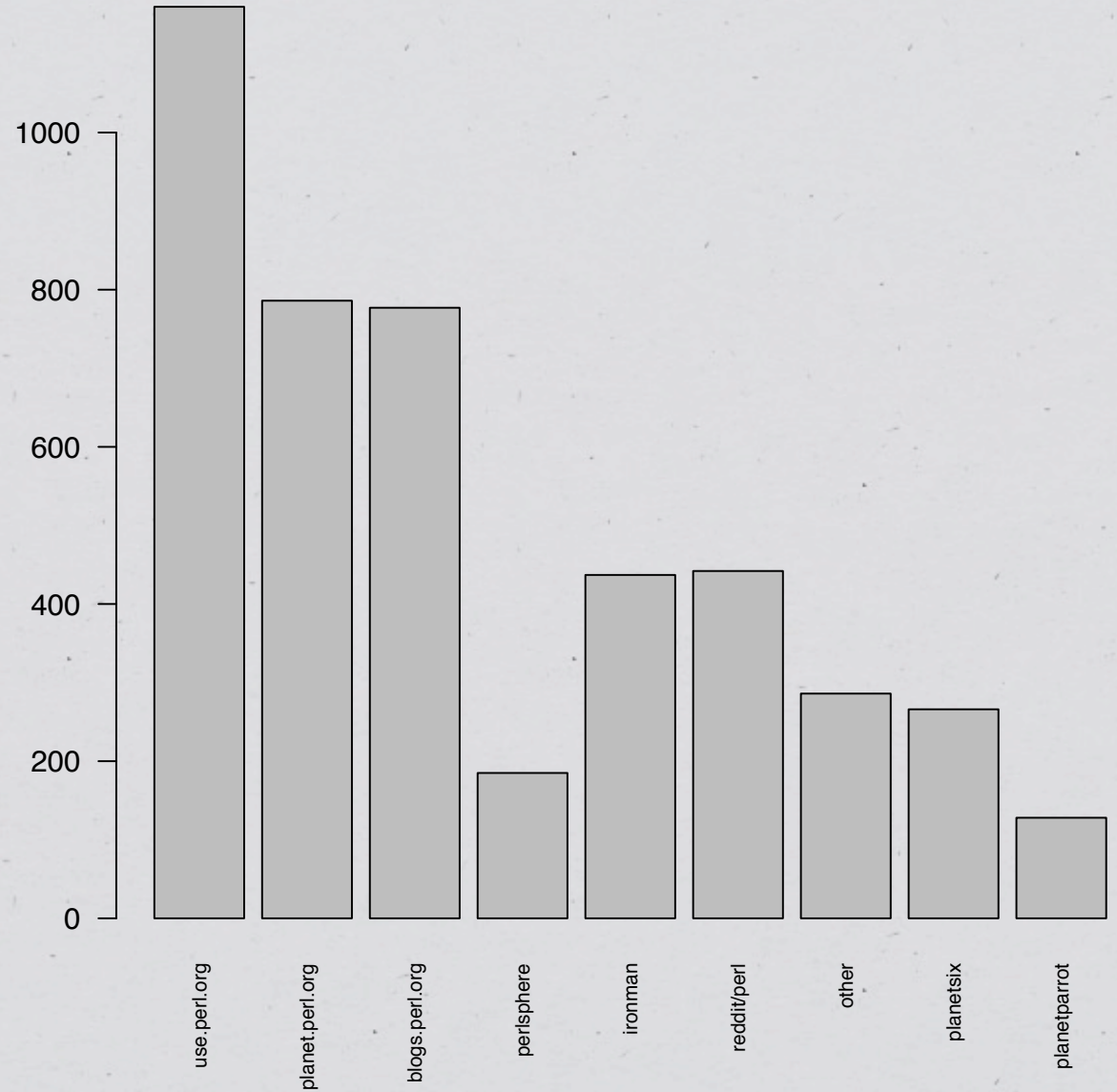




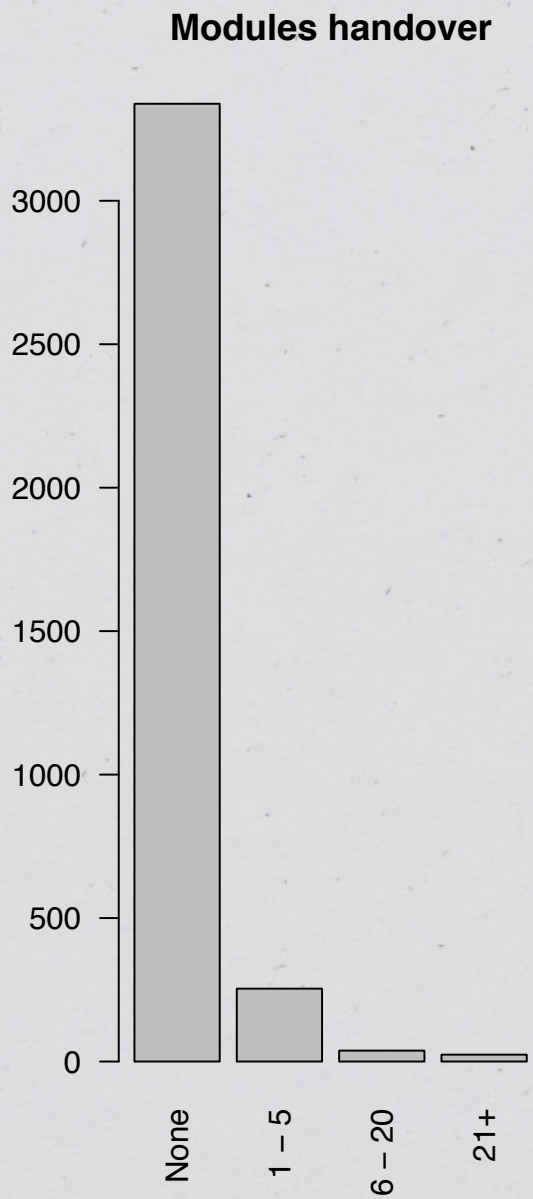




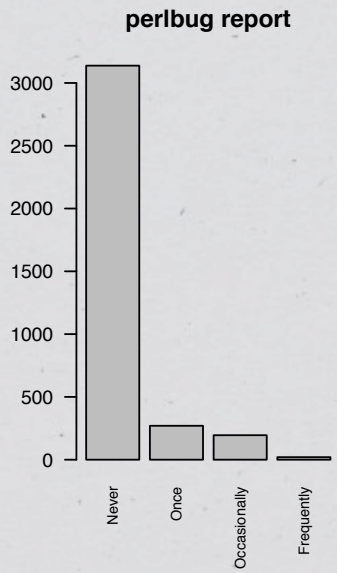
Perl Online Media

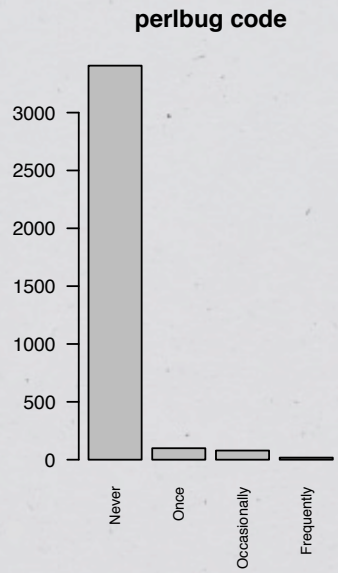


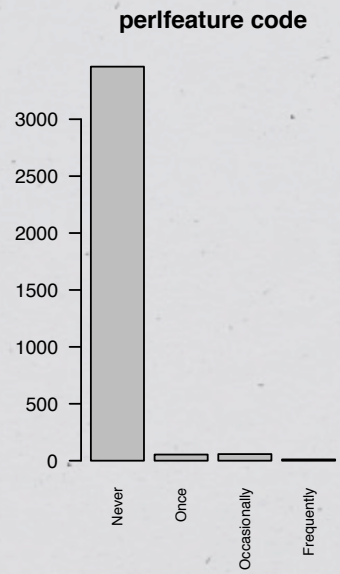
CPAN Contributions

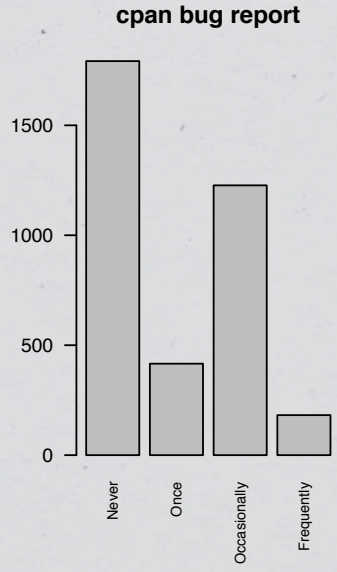


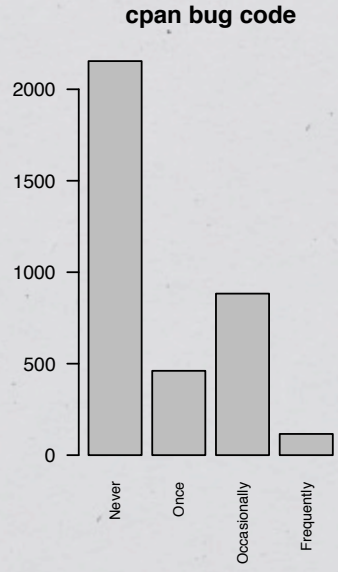
Code Contributions

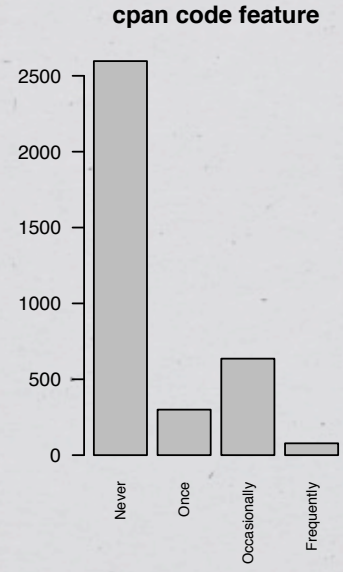




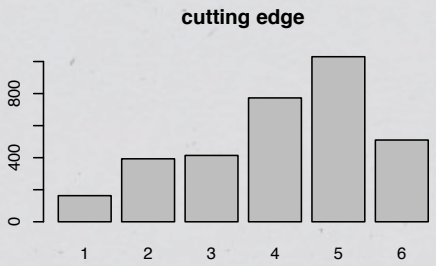


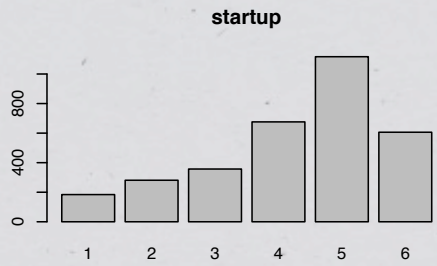


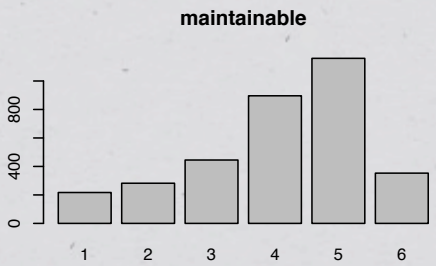


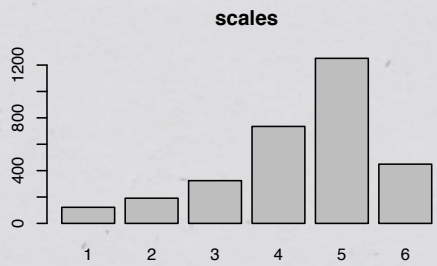


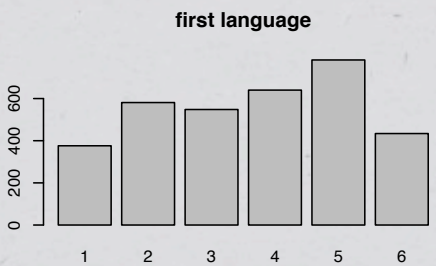
Personal opinions - 1



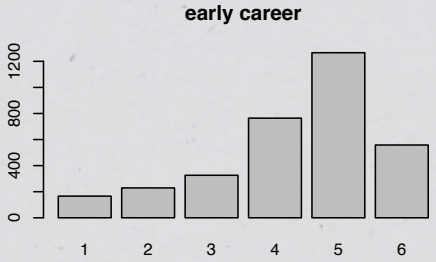


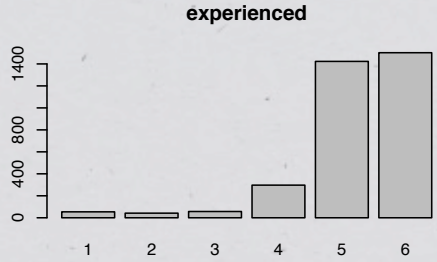


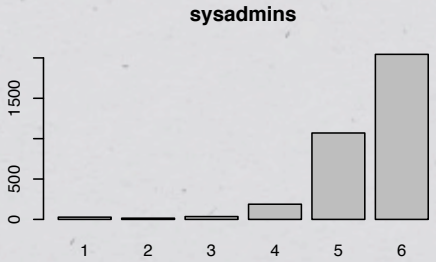


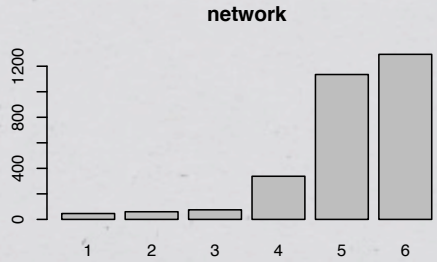


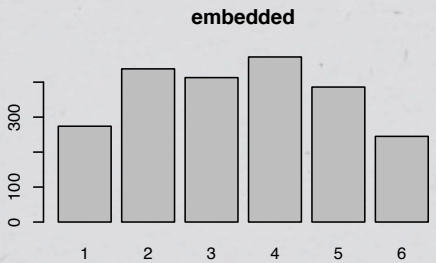
Personal opinions -2

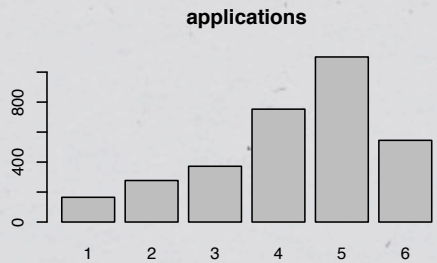




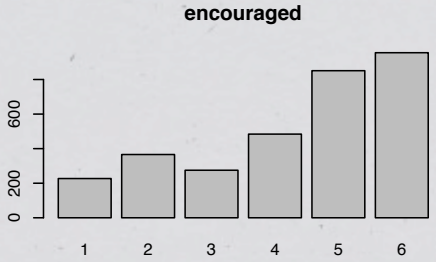


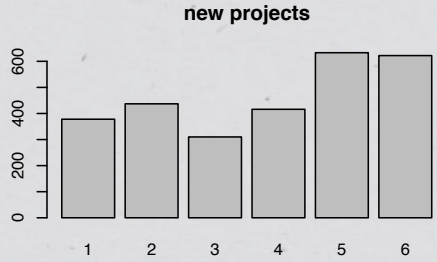


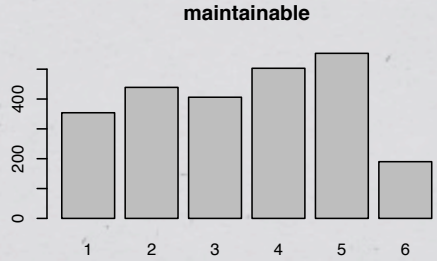


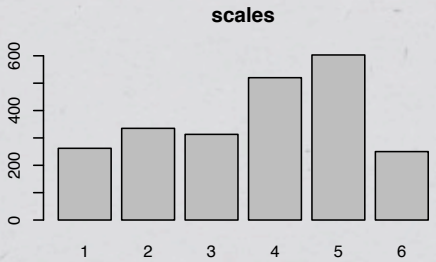


Management Opinions



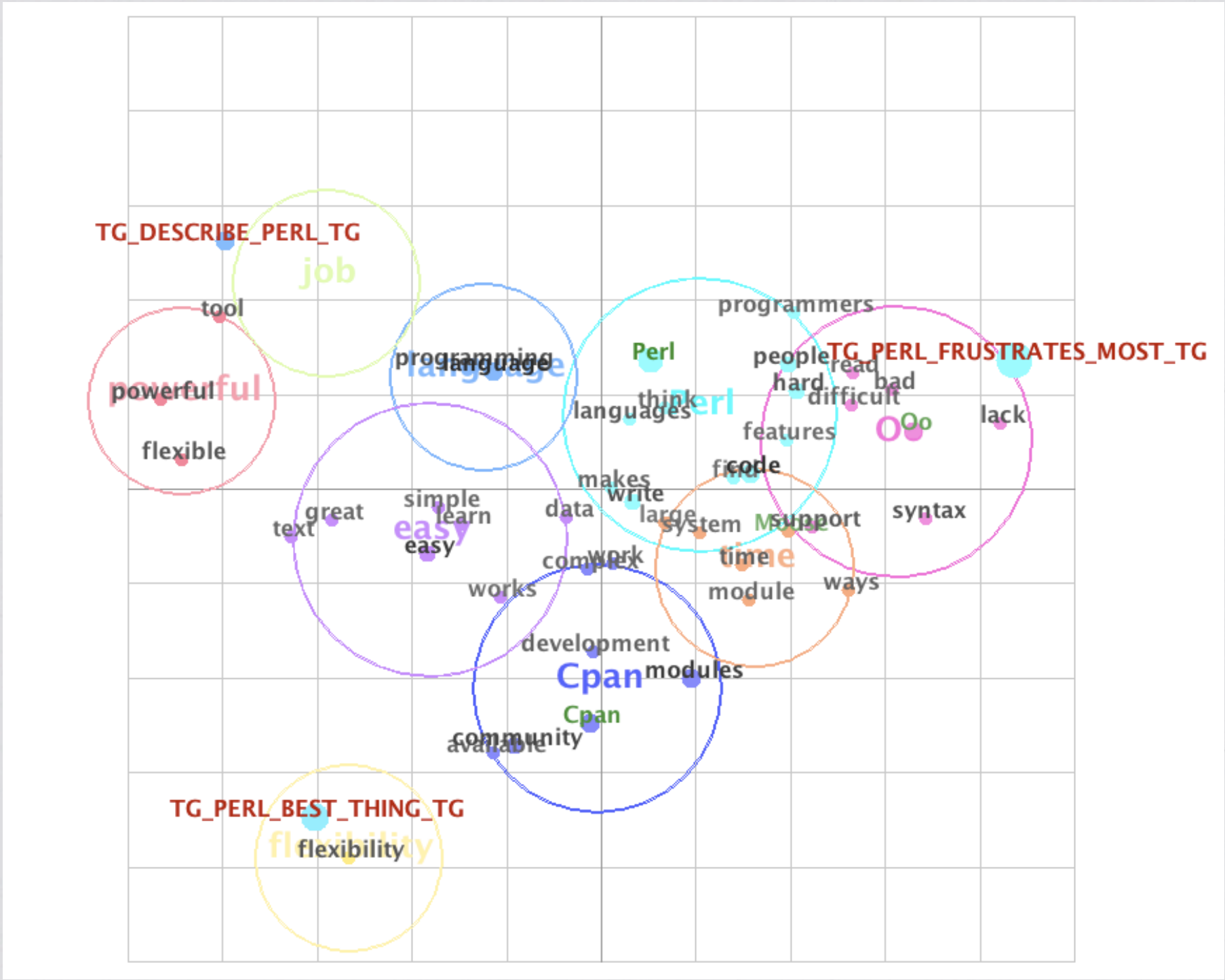






Open ended questions

* Five words or a short phrase to describe Perl
* The best thing about Perl
* The most frustrating things about Perl.
* Exploratory analysis using a text visualisation tool (leximancer)


TG_DESCRIBE_PERL_TG
job
tool
powerful
powerful
flexible
programming
language
programmers
Perl
people
TG_PERL_FRUSTRATES_MOST_TG
read
hard
bad
difficult
think
Perl
languages
lack
features
OO
Oo
code
makes
write
simple
great
learn
data
large
system
support
syntax
text
easy
easy
work
time
complex
works
module
ways
development
Cpan
modules
Cpan
community
available
TG_PERL_BEST_THING_TG
flexibility
flexibility

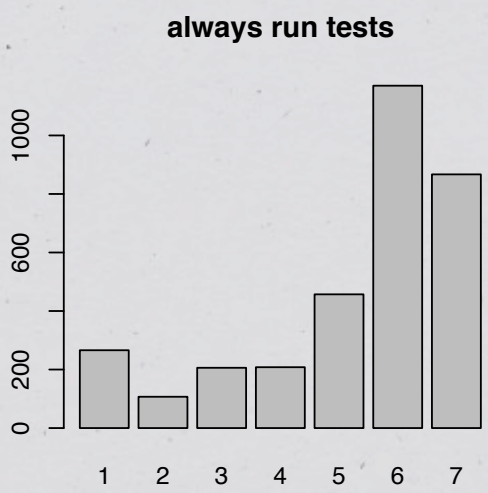
CPAN Modules most important for your work

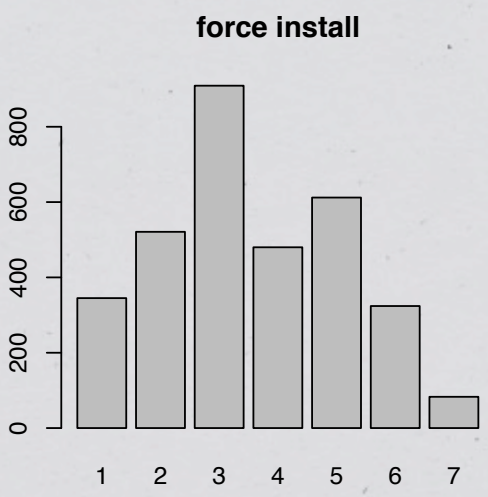
* Nominate your top 5 most important CPAN modules (in aproximate order)
    * 1652 modules mentioned (aprox)
    * 611 mentioned more than once

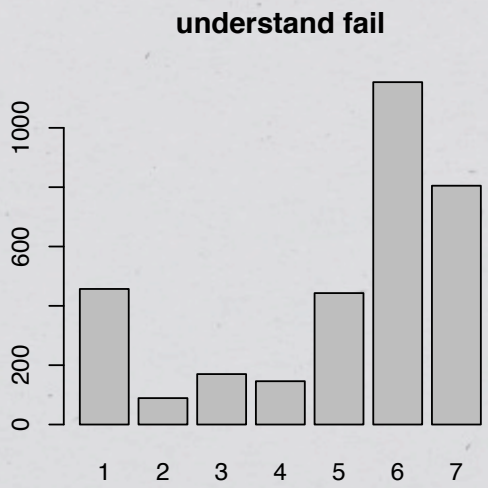
CPAN Top 44

Module	Count	Mean rank	Module	Count	Mean rank
dbi	1169	1.76	date::calc	81	3.28
moose	476	2.38	dbd::oracle	79	2.25
catalyst	417	2.24	log::log4perl	76	3.30
cgi	405	2.34	dbd::pg	69	2.49
data::dumper	396	2.82	tk	65	2.68
lwp	345	2.77	soap::lite	62	3.03
dbix::class	314	2.39	template::toolkit	60	2.93
template	204	3.02	mime::lite	60	3.53
datetime	187	3.37	yaml	57	3.11
test::more	182	3.08	strict	55	2.18
getopt::long	140	2.76	carp	55	3.07
xml::simple	132	3.05	spreadsheet::writeexcel	52	3.33
www::mechanize	123	3.01	anyevent	47	2.70
xml::libxml	121	2.77	date::manip	44	2.86
dbd::mysql	109	2.47	xml::twig	43	2.53
cgi::application	106	2.52	encode	43	3.58
net::ldap	94	2.51	file::find	42	2.98
json	94	3.46	spreadsheet::parseexcel	42	3.10
html::mason	90	2.53	storable	41	3.49
lwp::useragent	86	2.57	class::dbi	40	2.90
poe	82	2.51	json::xs	40	3.50

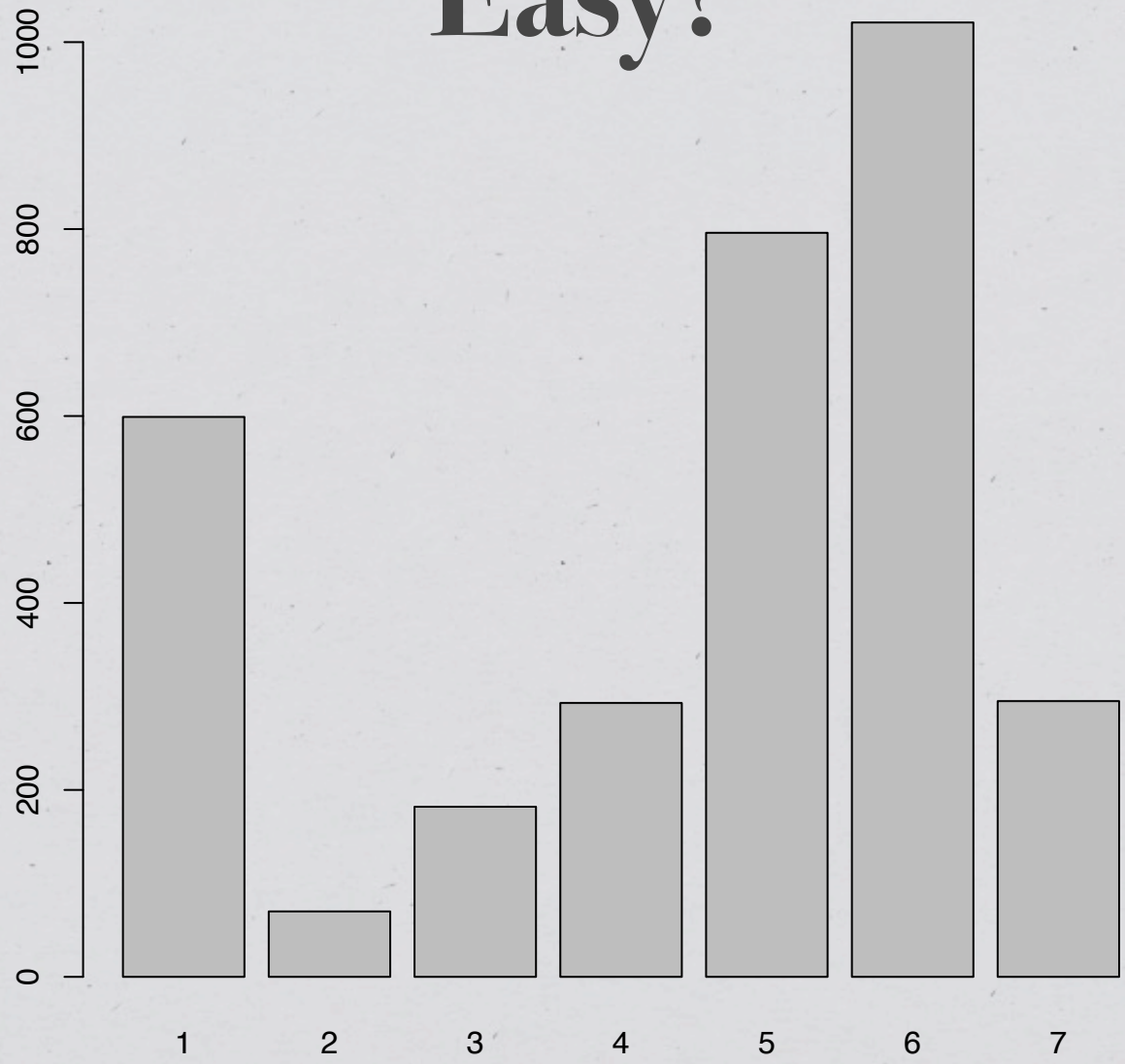
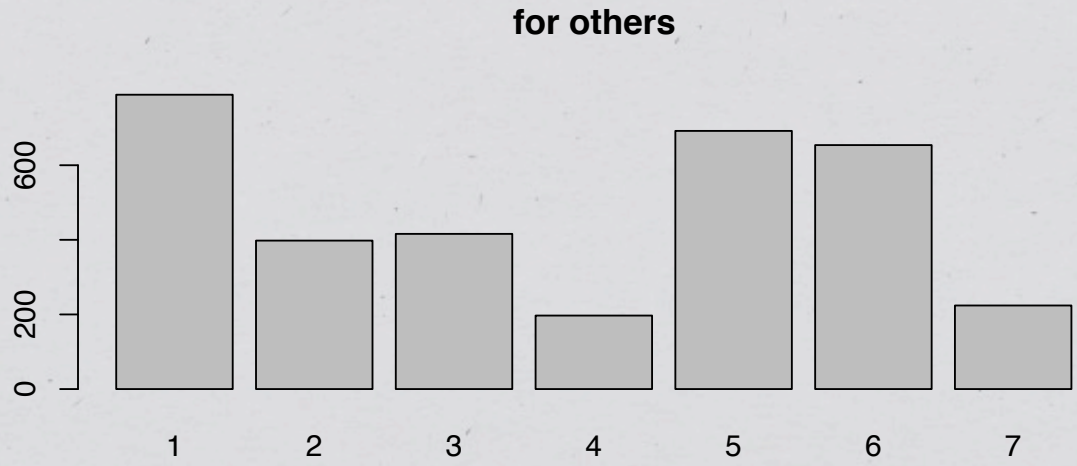
CPAN Hygiene







Running Perl Cross Platform is Easy?



Perl Certification?