

E-mail from John:

Hi Tom:

I want to know if I can get your help. I am discussing a paper next week at the National Bureau of Economic Research. In order to do a good discussion, I would like to bring to bear some of our personnel data. This will likely come from the Buzzfeed Data. In particular, I am interested in knowing the following for FULL TIME, NONSEASONAL:

1. For the samples below, can you tell me top fifteen occupations with numbers and percentage of total personnel (by year)?
2. For the samples below, can you tell me 25th percentile, 50th percentile, and 75th percentile age
3. For the samples below, can you tell me the education level distribution, by year
4. For the samples below, can you tell me the GS grade level distribution, by year.

Sample 1: 2011-2016: Consumer Financial Protection Bureau (CFPB)

Sample 2: 2011-2016: Consumer Product Safety Commission (CPSC)

Sample 3: 2011-2016: Commodities and Futures Trading Commission (CFTC)

Sample 4: 2011-2016: Securities and Exchange Commission (SEC)

Sample 5: 1974-1980: CPSC

Sample 6: 1974-1980: CFTC

We can discuss further tomorrow.

Thanks

John

Data source: Buzzfeed (2017 version)

Note that records exist for agency AG04 (Commodity Exchange Authority) in years 1974-1978 and for CT00 (Commodity Futures Trading Commission) in years 1979-1980. These were combined and used for the CFTC observations.

Note the following OPM Agency IDs:

Table 1: OPM Agency IDs

Agency	OPM ID
Consumer Financial Protection Bureau (CFPB)	FRFT
Consumer Product Safety Commission (CPSC)	SK00
Commodities and Futures Trading Commission (CFTC)	CT00 (1979-1980); AG04 (1974-1978)
Securities and Exchange Commission (SEC)	SE00

Grade Distribution

Notes:

- The CFPB has no observations for the GS pay plan. All except six observations on record are coded with pay plan CN (Bureau of CFPD). Five are coded with EX (Executive), one for each year between 2012 and 2016, and one coded with AL (Administrative Law Judge). CFPB data below correspond to the CN pay plan.
- For years prior to 2003, the majority of CFTC observations are coded with the GS pay plan and none are coded with CT (CFTC pay plan). From 2003 on, no CFTC observations are coded with GS and the majority are coded with CT. GS and CT grades span 01 through 18. CFTC data below correspond to pay plans GS and CT combined.
- For years prior to 2002, the majority of SEC observations are coded with the GS pay plan and none are coded with SK (SEC Employee Formerly Under GS, GM, and GZ). From 2002 on, no SEC observations are coded with GS and the majority are coded with SK. Pay plan GM is a termination code and no observations exist for pay plan GZ. GS and SK grades span 01 through 18. SEC data below correspond to pay plans GS and SK combined.

Table 2: Grade distribution, CFPB 2011-2016

FY	Grade	n	pct
2011	2	1	0.16
2011	3	88	13.69
2011	4	82	12.75
2011	5	215	33.44
2011	6	129	20.06
2011	7	91	14.15
2011	8	34	5.29
2011	9	3	0.47
2012	21	1	0.11
2012	22	1	0.11
2012	30	62	6.51
2012	31	8	0.84
2012	32	7	0.74
2012	33	23	2.42
2012	40	103	10.82
2012	41	1	0.11
2012	42	3	0.32
2012	51	81	8.51
2012	52	107	11.24
2012	53	157	16.49
2012	60	198	20.80
2012	71	153	16.07
2012	72	1	0.11
2012	81	20	2.10
2012	82	19	2.00
2012	90	7	0.74
2013	21	1	0.08
2013	30	49	3.78

2013	31	6	0.46
2013	32	7	0.54
2013	33	37	2.86
2013	40	149	11.51
2013	41	3	0.23
2013	42	5	0.39
2013	51	153	11.81
2013	52	171	13.20
2013	53	222	17.14
2013	60	248	19.15
2013	71	198	15.29
2013	81	25	1.93
2013	82	15	1.16
2013	90	6	0.46
2014	22	1	0.07
2014	30	29	2.11
2014	31	2	0.15
2014	32	3	0.22
2014	33	32	2.33
2014	40	99	7.20
2014	41	7	0.51
2014	42	5	0.36
2014	43	1	0.07
2014	51	201	14.62
2014	52	188	13.67
2014	53	241	17.53
2014	60	309	22.47
2014	71	207	15.05
2014	81	27	1.96
2014	82	17	1.24
2014	90	6	0.44
2015	30	16	1.09
2015	32	1	0.07
2015	33	31	2.10
2015	40	84	5.70
2015	41	3	0.20
2015	42	12	0.81
2015	43	1	0.07
2015	51	204	13.85
2015	52	227	15.41
2015	53	270	18.33
2015	60	331	22.47
2015	71	238	16.16
2015	81	31	2.10
2015	82	18	1.22
2015	90	6	0.41
2016	20	33	2.04
2016	30	61	3.77
2016	32	1	0.06
2016	33	27	1.67
2016	40	51	3.16
2016	41	2	0.12
2016	42	10	0.62
2016	43	4	0.25

2016	51	202	12.50
2016	52	255	15.78
2016	53	299	18.50
2016	60	356	22.03
2016	71	257	15.90
2016	81	28	1.73
2016	82	25	1.55
2016	90	5	0.31

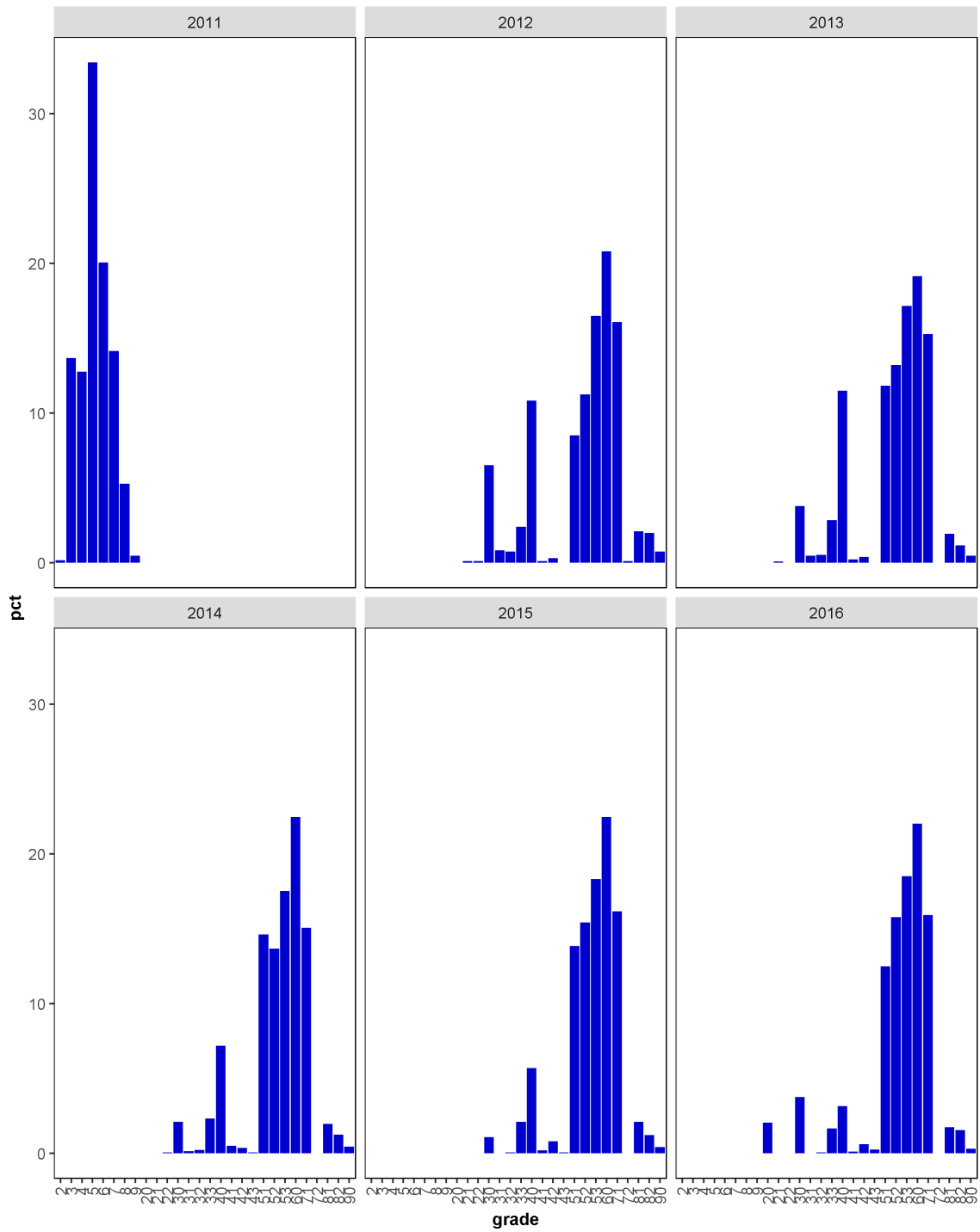


Figure 1: Grade distribution, CFPB 2011-2016

Table 3: Grade distribution, CPSC 2011-2016

FY	Grade	n	pct
2011	3	2	0.39
2011	4	1	0.19
2011	7	8	1.56
2011	8	5	0.97
2011	9	32	6.23
2011	11	57	11.09
2011	12	111	21.60
2011	13	164	31.91
2011	14	77	14.98
2011	15	57	11.09
2012	3	1	0.20
2012	4	3	0.60
2012	5	3	0.60
2012	7	5	1.01
2012	8	5	1.01
2012	9	19	3.83
2012	11	36	7.26
2012	12	125	25.20
2012	13	163	32.86
2012	14	74	14.92
2012	15	62	12.50
2013	3	1	0.20
2013	4	2	0.41
2013	5	4	0.82
2013	6	2	0.41
2013	7	4	0.82
2013	8	4	0.82
2013	9	20	4.08
2013	11	22	4.49
2013	12	117	23.88
2013	13	176	35.92
2013	14	82	16.73
2013	15	56	11.43
2014	3	1	0.20
2014	4	1	0.20
2014	5	2	0.40
2014	7	11	2.21
2014	8	4	0.80
2014	9	19	3.82
2014	11	25	5.02
2014	12	111	22.29
2014	13	187	37.55
2014	14	83	16.67
2014	15	54	10.84
2015	3	1	0.19
2015	4	2	0.39
2015	5	9	1.74
2015	7	9	1.74
2015	8	3	0.58

2015	9	29	5.62
2015	11	25	4.84
2015	12	115	22.29
2015	13	186	36.05
2015	14	77	14.92
2015	15	60	11.63
2016	3	1	0.19
2016	5	4	0.76
2016	6	3	0.57
2016	7	11	2.08
2016	8	4	0.76
2016	9	27	5.10
2016	11	35	6.62
2016	12	113	21.36
2016	13	195	36.86
2016	14	80	15.12
2016	15	56	10.59

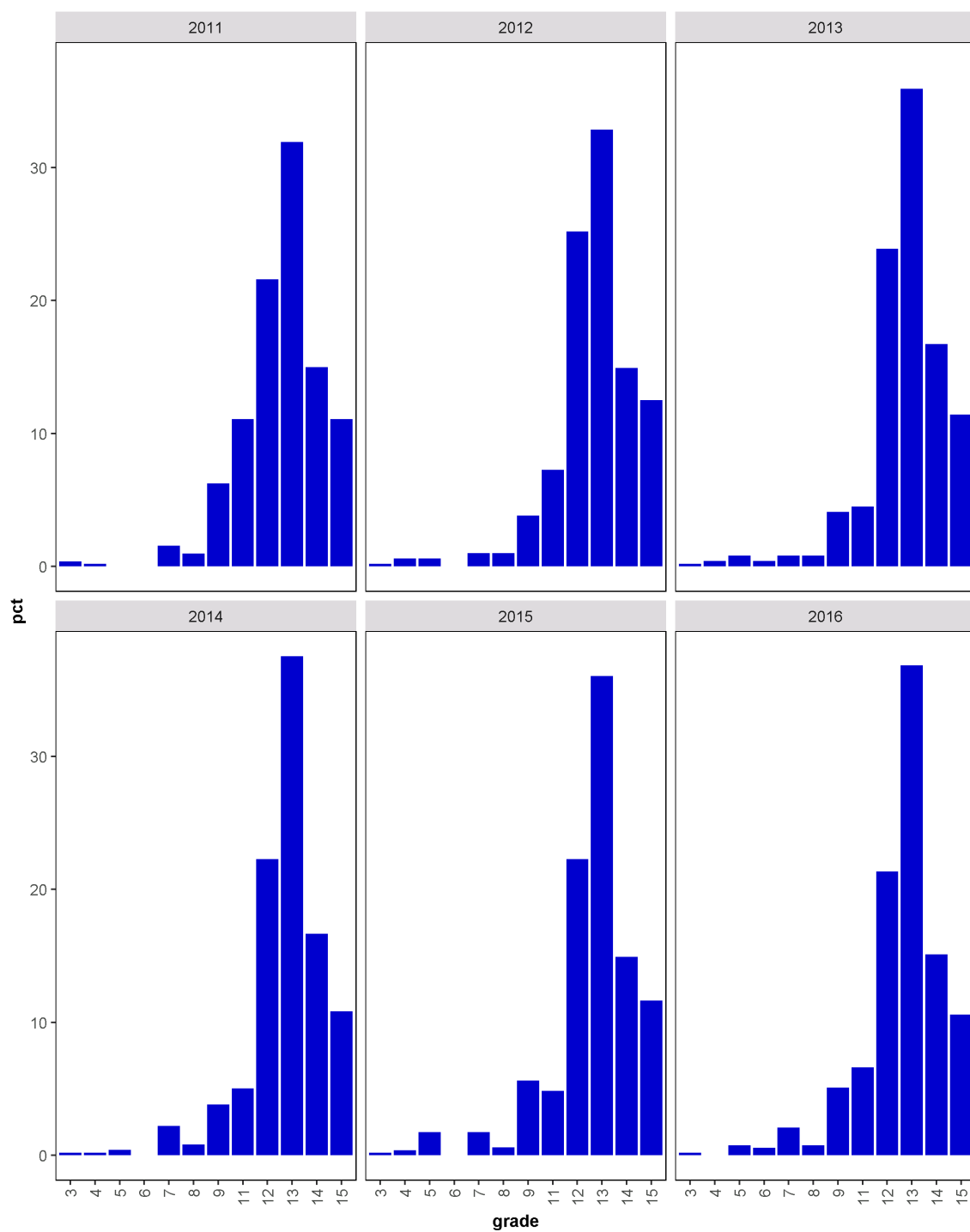


Figure 2: Grade distribution, CPSC 2011-2016

Table 4: Grade distribution, CFTC 2011-2016

FY	Grade	n	pct
2011	6	1	0.16
2011	7	11	1.73
2011	8	11	1.73
2011	9	12	1.88
2011	10	4	0.63
2011	11	22	3.45
2011	12	58	9.11
2011	13	162	25.43
2011	14	205	32.18
2011	15	115	18.05
2011	16	27	4.24
2011	18	9	1.41
2012	6	1	0.15
2012	7	7	1.03
2012	8	9	1.32
2012	9	17	2.49
2012	10	3	0.44
2012	11	27	3.96
2012	12	48	7.04
2012	13	178	26.10
2012	14	227	33.28
2012	15	125	18.33
2012	16	31	4.55
2012	18	9	1.32
2013	6	1	0.15
2013	7	6	0.90
2013	8	8	1.21
2013	9	11	1.66
2013	10	3	0.45
2013	11	21	3.17
2013	12	38	5.73
2013	13	168	25.34
2013	14	240	36.20
2013	15	125	18.85
2013	16	34	5.13
2013	18	8	1.21
2014	6	1	0.16
2014	7	5	0.79
2014	8	8	1.26
2014	9	10	1.57
2014	10	1	0.16
2014	11	13	2.04
2014	12	35	5.50
2014	13	130	20.44
2014	14	261	41.04
2014	15	125	19.65
2014	16	37	5.82
2014	17	1	0.16
2014	18	9	1.42

2015	4	1	0.13
2015	5	10	1.35
2015	6	1	0.13
2015	7	9	1.21
2015	8	7	0.94
2015	9	16	2.16
2015	10	1	0.13
2015	11	21	2.83
2015	12	40	5.39
2015	13	156	21.02
2015	14	295	39.76
2015	15	138	18.60
2015	16	39	5.26
2015	17	1	0.13
2015	18	7	0.94
2016	6	1	0.14
2016	7	3	0.42
2016	8	7	0.98
2016	9	9	1.26
2016	10	1	0.14
2016	11	23	3.22
2016	12	36	5.04
2016	13	120	16.81
2016	14	323	45.24
2016	15	142	19.89
2016	16	39	5.46
2016	17	2	0.28
2016	18	8	1.12

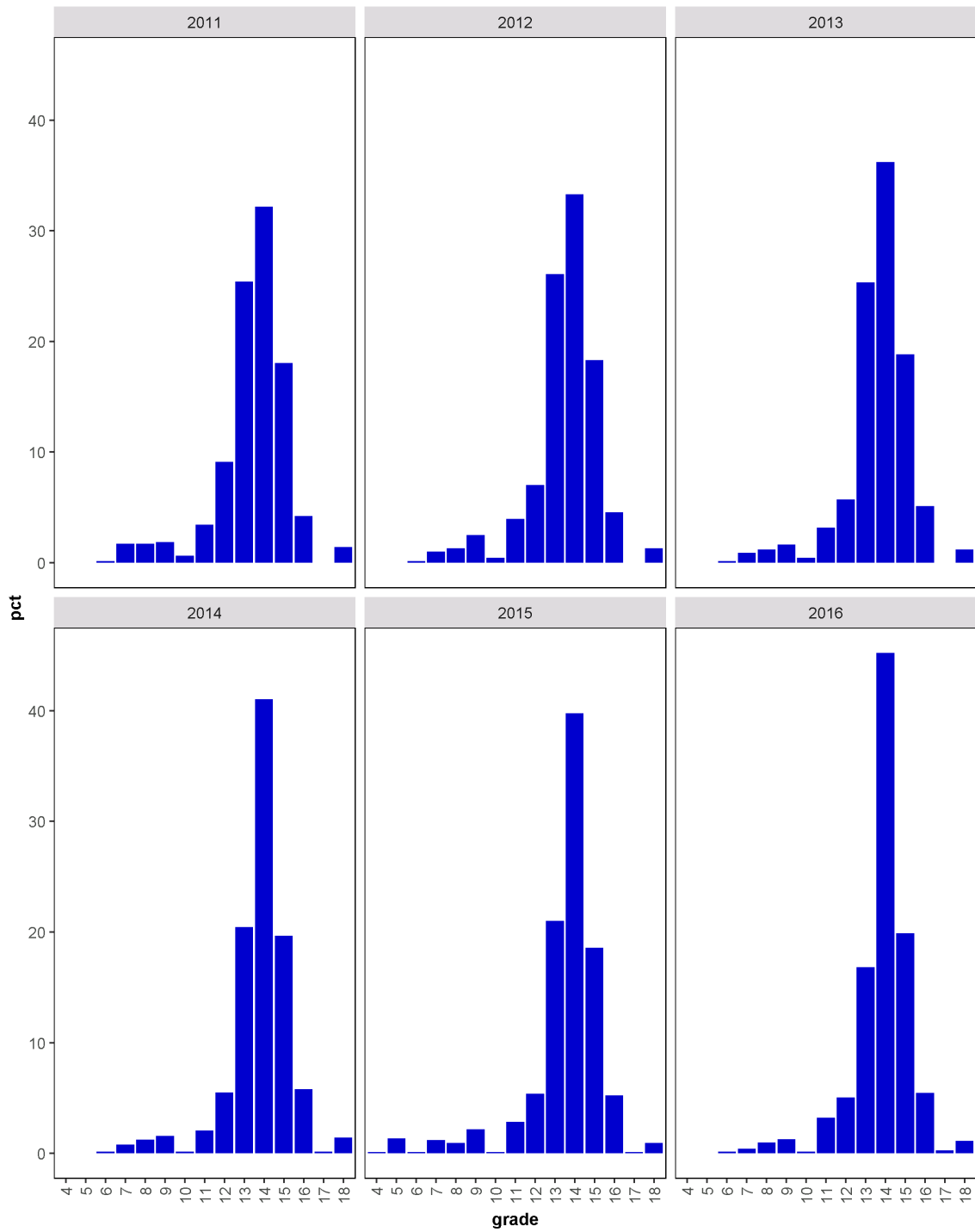


Figure 3: Grade distribution, CFTC 2011-2016

Table 5: Grade distribution, SEC 2011-2016

FY	Grade	n	pct
2011	4	7	0.20
2011	5	18	0.51
2011	6	27	0.76
2011	7	132	3.73
2011	8	38	1.07
2011	9	57	1.61
2011	10	7	0.20
2011	11	132	3.73
2011	12	189	5.34
2011	13	376	10.62
2011	14	1,561	44.11
2011	15	290	8.19
2011	16	372	10.51
2011	17	333	9.41
2012	2	2	0.06
2012	4	9	0.25
2012	5	8	0.22
2012	6	21	0.58
2012	7	105	2.91
2012	8	35	0.97
2012	9	64	1.78
2012	10	8	0.22
2012	11	134	3.72
2012	12	196	5.44
2012	13	389	10.79
2012	14	1,581	43.86
2012	15	293	8.13
2012	16	406	11.26
2012	17	354	9.82
2013	2	1	0.03
2013	3	1	0.03
2013	4	7	0.18
2013	5	7	0.18
2013	6	18	0.47
2013	7	107	2.78
2013	8	32	0.83
2013	9	72	1.87
2013	10	5	0.13
2013	11	154	4.00
2013	12	245	6.37
2013	13	436	11.33
2013	14	1,666	43.31
2013	15	316	8.21
2013	16	428	11.13
2013	17	352	9.15
2014	3	2	0.05
2014	4	13	0.33
2014	5	7	0.18
2014	6	14	0.36

2014	7	91	2.31
2014	8	29	0.74
2014	9	63	1.60
2014	10	4	0.10
2014	11	146	3.71
2014	12	216	5.49
2014	13	405	10.29
2014	14	1,812	46.06
2014	15	328	8.34
2014	16	443	11.26
2014	17	361	9.18
2015	2	1	0.02
2015	3	2	0.05
2015	4	7	0.17
2015	5	8	0.19
2015	6	12	0.29
2015	7	81	1.95
2015	8	24	0.58
2015	9	79	1.91
2015	10	4	0.10
2015	11	155	3.74
2015	12	245	5.91
2015	13	447	10.79
2015	14	1,880	45.37
2015	15	344	8.30
2015	16	480	11.58
2015	17	375	9.05
2016	3	2	0.05
2016	4	8	0.18
2016	5	8	0.18
2016	6	9	0.20
2016	7	76	1.73
2016	8	22	0.50
2016	9	79	1.80
2016	10	3	0.07
2016	11	170	3.86
2016	12	288	6.55
2016	13	451	10.25
2016	14	2,005	45.58
2016	15	361	8.21
2016	16	520	11.82
2016	17	397	9.02

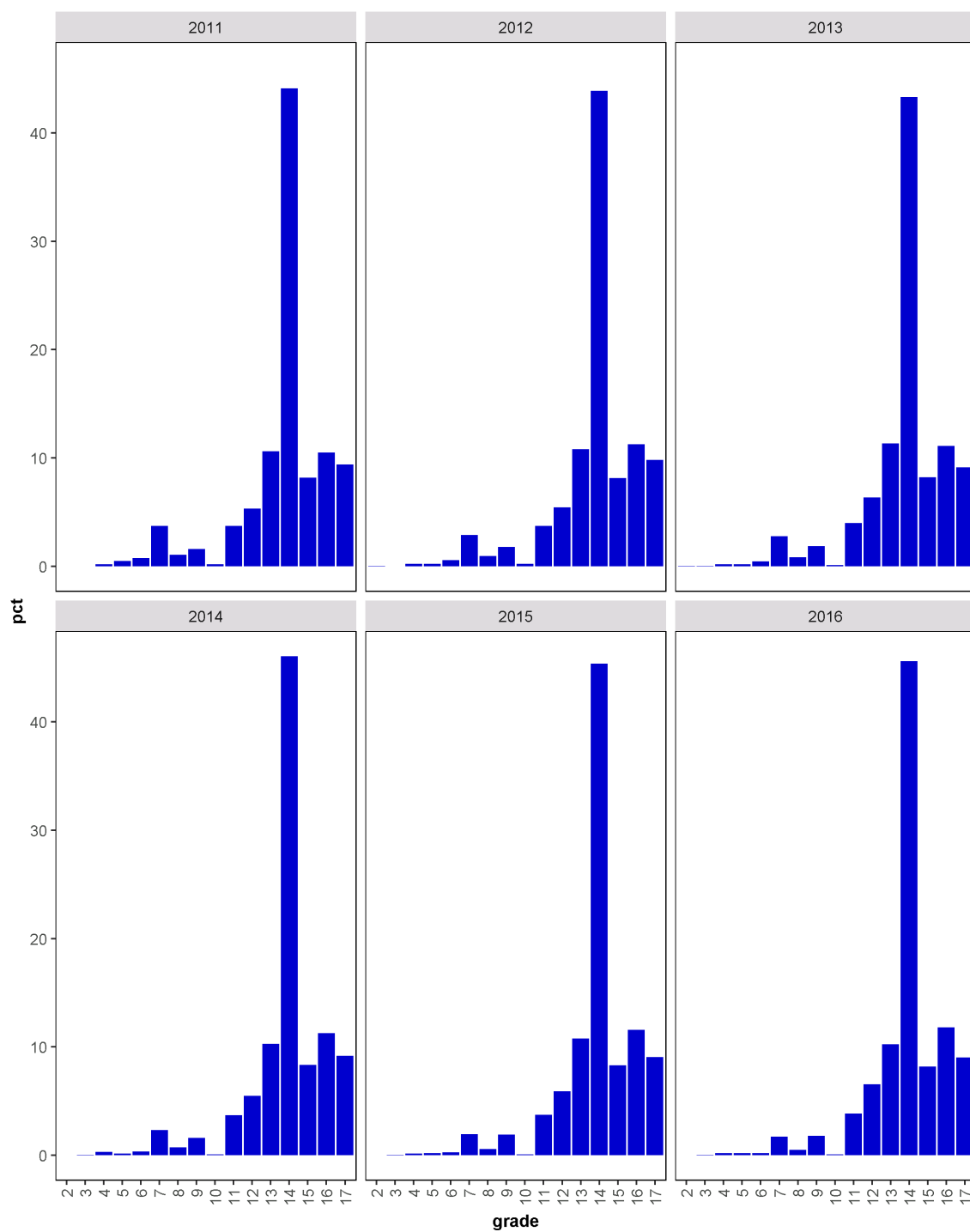


Figure 4: Grade distribution, SEC 2011-2016

Table 6: Grade distribution, CPSC 1974-1980

FY	Grade	n	pct
1974	1	2	0.23
1974	2	9	1.05
1974	3	26	3.04
1974	4	67	7.85
1974	5	84	9.84
1974	6	61	7.14
1974	7	88	10.30
1974	8	14	1.64
1974	9	128	14.99
1974	10	1	0.12
1974	11	68	7.96
1974	12	76	8.90
1974	13	75	8.78
1974	14	79	9.25
1974	15	70	8.20
1974	16	6	0.70
1975	2	12	1.30
1975	3	26	2.82
1975	4	63	6.83
1975	5	82	8.89
1975	6	57	6.18
1975	7	82	8.89
1975	8	16	1.74
1975	9	110	11.93
1975	10	2	0.22
1975	11	112	12.15
1975	12	77	8.35
1975	13	103	11.17
1975	14	93	10.09
1975	15	80	8.68
1975	16	6	0.65
1975	17	1	0.11
1976	2	1	0.12
1976	3	9	1.05
1976	4	32	3.74
1976	5	72	8.42
1976	6	55	6.43
1976	7	83	9.71
1976	8	12	1.40
1976	9	79	9.24
1976	10	1	0.12
1976	11	136	15.91
1976	12	86	10.06
1976	13	103	12.05
1976	14	93	10.88
1976	15	85	9.94
1976	16	7	0.82
1976	18	1	0.12
1977	2	2	0.23

1977	3	30	3.48
1977	4	35	4.06
1977	5	73	8.47
1977	6	50	5.80
1977	7	82	9.51
1977	8	8	0.93
1977	9	68	7.89
1977	10	1	0.12
1977	11	119	13.81
1977	12	89	10.32
1977	13	105	12.18
1977	14	88	10.21
1977	15	100	11.60
1977	16	10	1.16
1977	17	1	0.12
1977	18	1	0.12
1978	2	6	0.67
1978	3	22	2.46
1978	4	58	6.49
1978	5	91	10.18
1978	6	44	4.92
1978	7	86	9.62
1978	8	7	0.78
1978	9	67	7.49
1978	10	2	0.22
1978	11	110	12.30
1978	12	103	11.52
1978	13	108	12.08
1978	14	89	9.96
1978	15	91	10.18
1978	16	9	1.01
1978	18	1	0.11
1979	3	26	3.07
1979	4	44	5.19
1979	5	91	10.73
1979	6	38	4.48
1979	7	77	9.08
1979	8	9	1.06
1979	9	56	6.60
1979	10	2	0.24
1979	11	115	13.56
1979	12	112	13.21
1979	13	102	12.03
1979	14	89	10.50
1979	15	86	10.14
1979	16	1	0.12
1980	2	5	0.59
1980	3	13	1.55
1980	4	51	6.06
1980	5	87	10.34
1980	6	42	4.99
1980	7	61	7.25
1980	8	14	1.66
1980	9	59	7.02

1980	10	2	0.24
1980	11	125	14.86
1980	12	120	14.27
1980	13	107	12.72
1980	14	78	9.27
1980	15	77	9.16

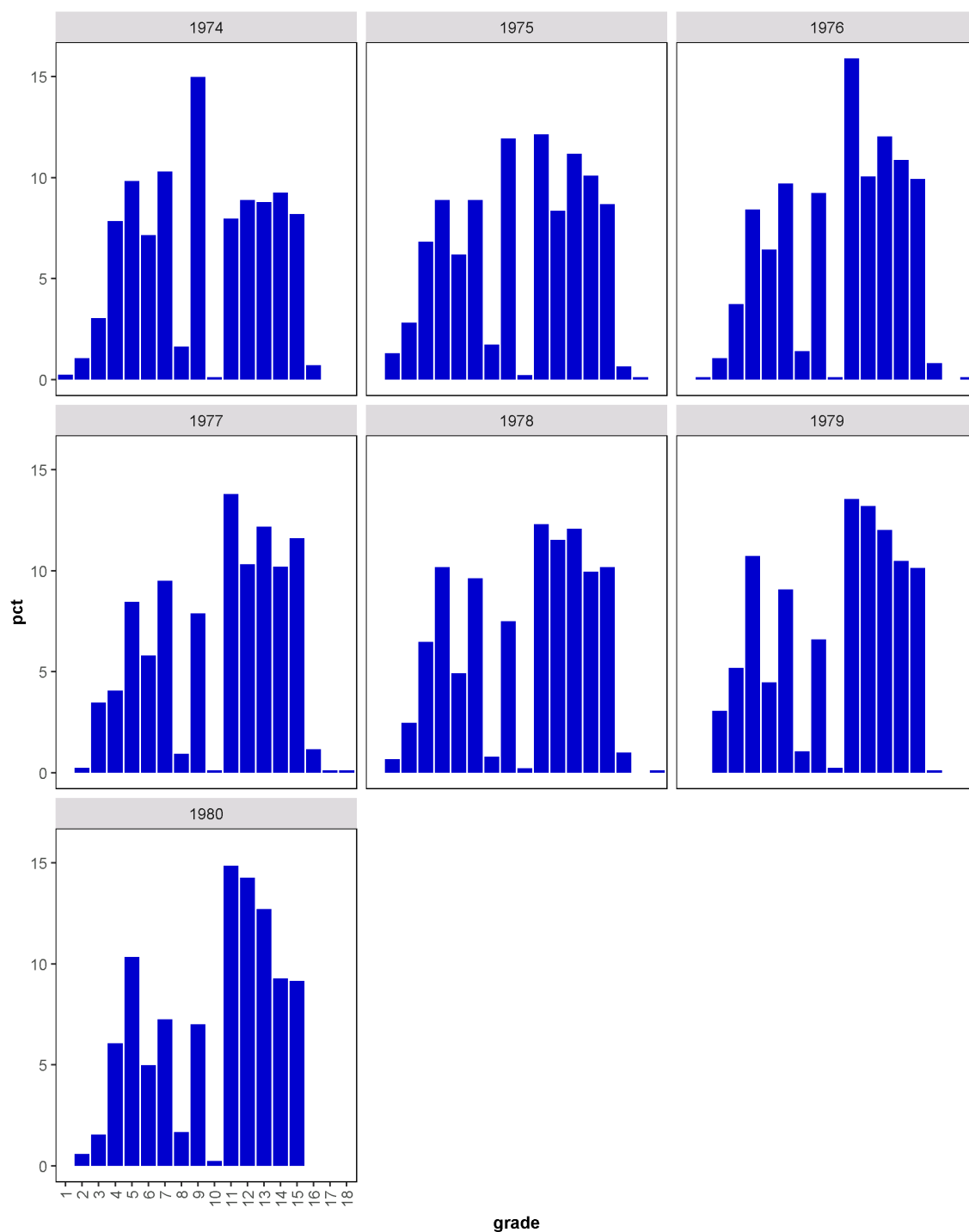


Figure 5: Grade distribution, CPSC 1974-1980

Table 7: Grade distribution, CFTC 1974-1980

FY	Grade	n	pct
1974	2	3	1.66
1974	3	16	8.84
1974	4	26	14.36
1974	5	32	17.68
1974	6	8	4.42
1974	7	18	9.94
1974	8	1	0.55
1974	9	18	9.94
1974	11	15	8.29
1974	12	19	10.50
1974	13	10	5.52
1974	14	9	4.97
1974	15	5	2.76
1974	17	1	0.55
1975	3	1	25.00
1975	7	1	25.00
1975	9	1	25.00
1975	11	1	25.00
1976	3	1	25.00
1976	7	1	25.00
1976	9	1	25.00
1976	11	1	25.00
1977	3	1	25.00
1977	7	1	25.00
1977	9	1	25.00
1977	11	1	25.00
1978	3	1	33.33
1978	7	1	33.33
1978	9	1	33.33
1979	2	5	1.11
1979	3	17	3.76
1979	4	53	11.73
1979	5	64	14.16
1979	6	26	5.75
1979	7	28	6.19
1979	8	5	1.11
1979	9	27	5.97
1979	11	49	10.84
1979	12	68	15.04
1979	13	48	10.62
1979	14	27	5.97
1979	15	22	4.87
1979	16	10	2.21
1979	17	3	0.66
1980	2	4	0.95
1980	3	12	2.84
1980	4	39	9.22
1980	5	57	13.48
1980	6	36	8.51

1980	7	25	5.91
1980	8	7	1.65
1980	9	18	4.26
1980	10	1	0.24
1980	11	40	9.46
1980	12	69	16.31
1980	13	40	9.46
1980	14	37	8.75
1980	15	34	8.04
1980	16	4	0.95

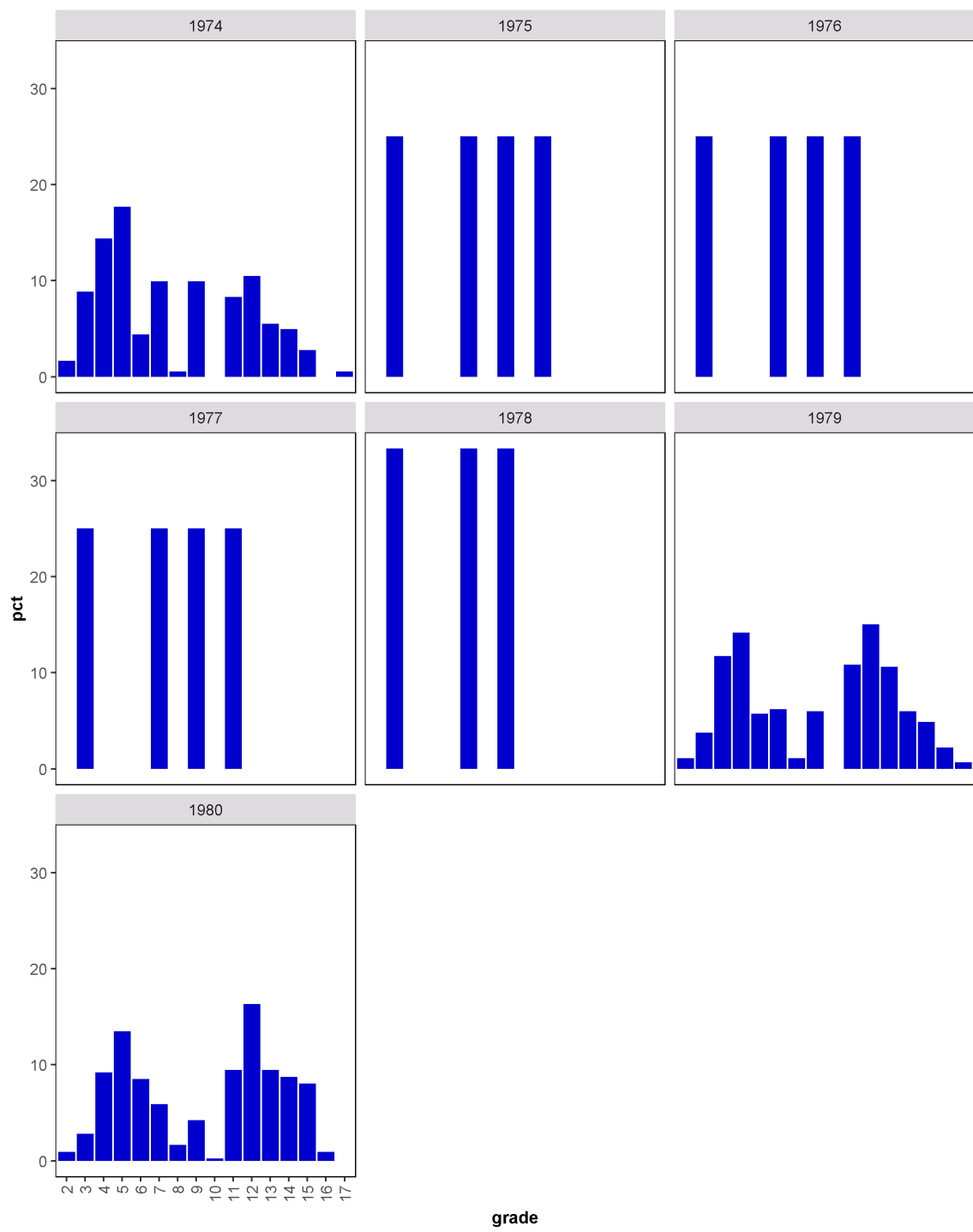


Figure 6: Grade distribution, CFTC 1974-1980