

PVI 4.0: Revised 2008 San Francisco Progressive Voter Index and changes in the San Francisco electorate

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Summary

The San Francisco Progressive Voter Index (PVI) is a single-number summary index of San Francisco “ideological” voting trends in each city precinct. The PVI ranks each precinct from 0-100, where lower numbers indicate more conservative precincts and higher numbers represent more liberal precincts. The PVI is maintained and updated in order to provide political professionals, researchers, the media, and other political junkies with tools to help understand San Francisco’s complex political climate.

This report revises and improves upon the most recent 2006 (3.0) version.² The 2008 PVI relies on 20 local ballot measures from November 2004 through June 2008. Nine issues overlap with the 2006 PVI to provide continuity and consistency. November 2003 issues were eliminated to 1) reduce the time frame to make this index more current, and 2) remove issues without complete precinct representation. Here, all “modern” precincts (November 2004 and later) are consistent for each election, and I didn’t have to impute any election result values.

The PVI itself is an indexed factor analysis score based on electoral results. I keep the same methodology as 2006, where the PVI is derived from the summation of two rotated factor scores of the chosen issues. Each factor is weighted equally and has a defensible ideological interpretation.

Overall, the PVI represents the same overall relative pattern in San Francisco, but there have been some discernable changes. Several districts and neighborhoods have moved in more liberal or more conservative directions. The central city appears to have become more conservative while the outer neighborhoods have moved leftward.

¹ Rich DeLeon, the creator of the PVI, has retired from active duty. He’s passed the project on to me, but none of this would be possible without his guidance, support, and mentorship. For this report, Rich did assist with ballot measure selection and the thorny analytical issue of Question Time. The San Francisco political community and I owe Rich a huge thanks for all his work.

² <http://flanalytics.com/Work%20files/Latterman-DeLeon%20new%20PVI%202006.pdf>

Methodology

Table 1 shows the measures used for this index. Careful thought between Rich DeLeon and I went into choosing this list. Issues must represent some ideological underpinning in the San Francisco political world, without being too broad to easily interpret. I included enough 2004 and 2005 issues for consistency from the 2006 PVI, so the PVI can be considered a moving average on the city's political leaning for a 2-3 year time period.

Table 1: Issues used for the 2008 PVI

Month	Year	Issue	Title	% voting Yes (bold means FAIL)	2006 PVI
NOV	2004	B	Historical Preservation Bonds	64.2	Y
NOV	2004	F	Noncitizen Voting in School Board Elections	48.6	Y
NOV	2004	G	Health Plans for City Residents	66.8	Y
NOV	2004	N	Withdrawing U.S. Military Personnel from Iraq	63.3	Y
NOV	2005	D	Appointment of Municipal Transportation Agency Board of Directors	35.6	Y
NOV	2005	H	Firearm Ban	57.8	Y
NOV	2005	I	No Military Recruiters in Public Schools, Scholarships for Education and Job Training	59.2	Y
JUN	2006	A	Additional Funding for Homicide Prevention Services	49.2	Y
JUN	2006	B	Eviction Disclosure Ordinance	52.2	Y
NOV	2006	A	School Bonds	73.9	
NOV	2006	E	Parking Tax Ordinance	32.8	
NOV	2006	F	Paid Sick Leave Ordinance	61.0	
NOV	2006	G	Limitations on Formula Retail Stores	58.2	
NOV	2006	H	Relocation Assistance for No Fault Tenant Removal	52.9	
NOV	2006	J	Adopting a Policy Calling for the Impeachment of President Bush and Vice President Cheney	58.5	
NOV	2007	A	Transit Reform, Parking Regulation and Emissions Reductions	55.7	
NOV	2007	C	Requiring Public Hearings on Proposed Measures	68.2	
JUNE	2008	C	Pension loss for committing crimes of moral turpitude	58.1	
JUNE	2008	D	Diversity on City commissions and boards	59.0	
JUNE	2008	F	Affordable housing in Bayview-Hunters Point	36.8	

A detailed methodology is located in Appendix 1, which also includes the rationale for choosing the ballot measures. Appendix 2 also has a table for former the new and former scores, along with the raw factor scores.

Results

Map 1 shows the PVI for the city of San Francisco. Figure 1 shows a correlation of the 2006 PVI with the new PVI. The results are extremely close ($R^2 = 0.96$), indicating two things: the methodology was very consistent from the 2006 PVI, especially in carefully choosing the relevant issues. Second, this shows in general that the electorate hasn't changed a whole lot, at least relative to itself.

Map 1: 2008 PVI

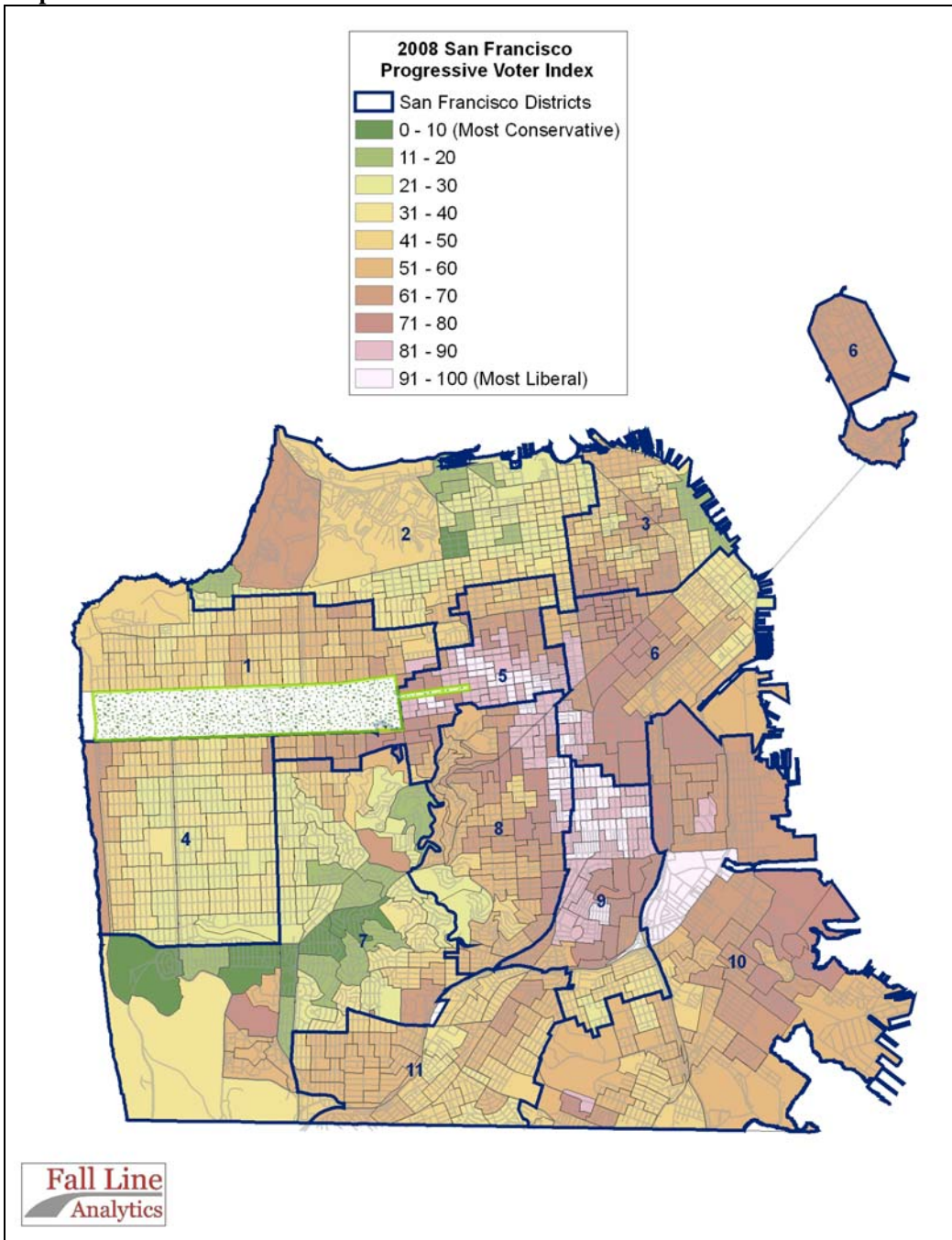


Figure 1: Correlation of new PVI to the 2006 PVI ($R^2 = 0.96$)

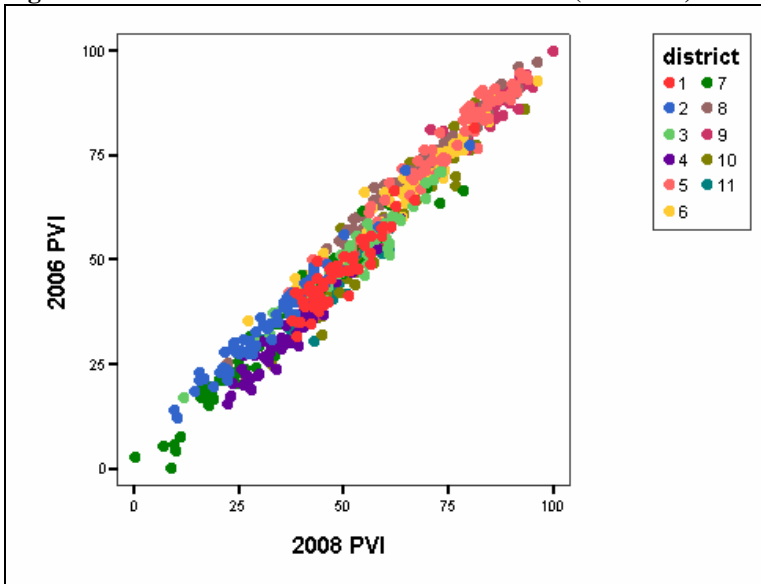


Figure 2 shows the boxplot for the aggregated district PVI scores from 2004, 2006, and 2008. Table 2 shows the descriptive statistics for the three PVI scores aggregated by district. Precinct scores are located in Appendix 2. The 2004 PVI was the reworked original PVI into post-2003 precincts.

Figure 2: Boxplot (median, IQ range, outliers) of three recent PVI scores.

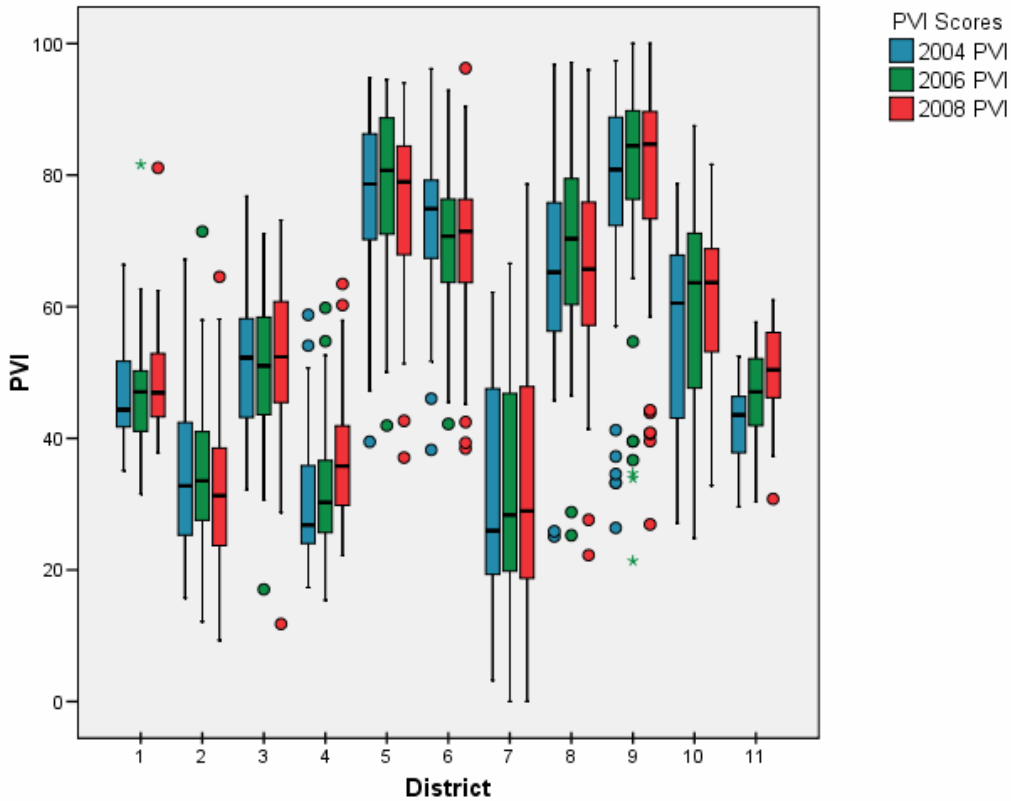


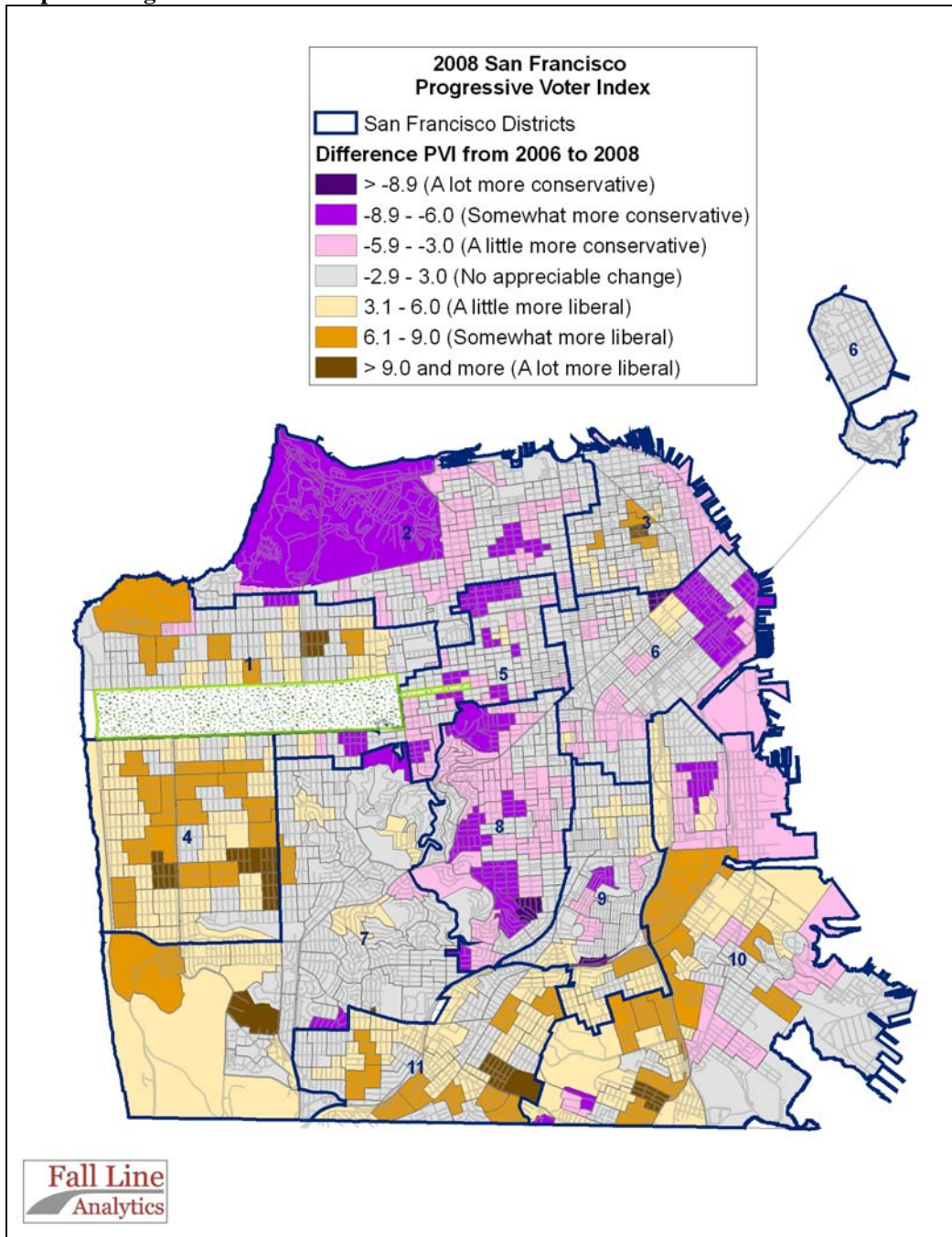
Table 2: Descriptive statistics from three PVI scores aggregated by district

District	Stats	2004 PVI	2006 PVI	2008 PVI	District	Stats	2004 PVI	2006 PVI	2008 PVI
1	N	47	49	49	7	N	53	59	59
	Mean	46.3	47.5	49.3		Mean	31.1	33.7	34.7
	Minimum	35.1	31.6	37.8		Minimum	3.2	0.0	0.0
	Maximum	66.4	81.6	81.1		Maximum	62.2	67.1	78.6
	Range	31.3	50.1	43.3		Range	59.0	67.1	78.6
	Std. Error of Mean	1.0	1.3	1.2		Std. Error of Mean	2.4	2.3	2.3
2	N	58	60	60	8	N	63	65	65
	Mean	33.7	35.1	32.8		Mean	66.5	69.9	66.4
	Minimum	15.8	12.2	9.3		Minimum	25.1	25.3	22.2
	Maximum	67.2	77.4	79.9		Maximum	96.8	97.1	96.0
	Range	51.4	65.3	70.6		Range	71.8	71.9	73.7
	Std. Error of Mean	1.4	1.6	1.7		Std. Error of Mean	1.9	1.7	1.9
3	N	46	46	46	9	N	41	41	41
	Mean	51.9	50.6	52.1		Mean	74.7	76.9	77.5
	Minimum	32.2	17.0	11.8		Minimum	26.4	21.4	26.9
	Maximum	76.8	71.1	73.2		Maximum	97.4	100.0	100.0
	Range	44.6	54.0	61.4		Range	71.0	78.6	73.1
	Std. Error of Mean	2	2	2		Std. Error of Mean	3.0	3.1	2.8
4	N	46	46	46	10	N	50	53	53
	Mean	30.7	31.9	37.0		Mean	56.6	60.5	62.0
	Minimum	17.3	15.4	22.2		Minimum	27.1	24.8	32.8
	Maximum	58.8	59.8	63.5		Maximum	78.7	87.5	93.2
	Range	41.4	44.4	41.3		Range	51.6	62.7	60.3
	Std. Error of Mean	1	1	1		Std. Error of Mean	2.0	2.0	1.7
5	N	59	66	66	11	N	42	43	43
	Mean	76.5	76.8	74.3		Mean	42.3	46.1	50.3
	Minimum	39.5	41.9	37.1		Minimum	29.6	30.3	30.8
	Maximum	94.8	94.5	94.0		Maximum	52.5	57.6	61.0
	Range	55.3	52.6	56.9		Range	22.9	27.3	30.2
	Std. Error of Mean	1.7	1.6	1.7		Std. Error of Mean	0.9	1.2	1.1
6	N	45	52	52	Total	N	550	580	580
	Mean	71.7	68.6	67.2		Mean	53.1	54.7	54.9
	Minimum	38.2	35.2	27.3		Minimum	3.2	0.0	0.0
	Maximum	96.1	92.9	96.2		Maximum	97.4	100.0	100.0
	Range	57.9	57.6	68.9		Range	94.1	100.0	100.0
	Std. Error of Mean	1.9	1.8	2.0		Std. Error of Mean	0.9	0.9	0.8

Discussion - how San Francisco has changed

Overall, the 2008 PVI looks a lot like the 2006 PVI, where D5 and 9 are the most progressive districts and D2, D4, and D7 are the most conservative ones. D1, 3, 8, 10, and 11 are somewhere in the middle. However, there have been some subtle but discernable changes over the past few years. Map 2 shows the changes from 2006 to 2008.

Map 2: Changes in PVI from 2008 to 2006.



In general, it appears that the outer neighborhoods have become a little more liberal and the central city has become a little more conservative. D1, D4, and D11 have moved slightly but consistently leftward, with most D11 moving the most consistently through most of its neighborhoods (Excelsior, Crocker-Amazon, Outer Mission, OMI). D4 has also surprisingly moved to the left, through the Sunset and Parkside, as well as small bits of the Richmond in D1. Chinatown in D3 has moved to the left, too. D10 is mixed, with Silver Terrace moving to the left but Potrero, surprisingly, moving to the right.

Looking at the other direction, D8 moved the most consistently to the right, as did parts of D5. D2 moved further to the right, while we clearly see the changes in the Mission Bay and Eastern SOMA part of D6 (and Dogpatch in D10). Parts of Bernal in D9 also edged rightward, as did the Barbary Coast section of D3.

Leftward moves in the outer neighborhoods are somewhat more difficult to interpret. Much of the interpretation has to do with specific initiatives for any given ballot, but given the close correlation of the 2006 and 2008 PVI scores, the overall methodology is consistent. Therefore, these leftward moves are indeed genuine. I'll leave it to the reader to draw her own conclusions.³

The rightward moves are more easily interpretable. Heavily LGBT D8 and D5, also with significant LGBT population, have moved a little to the right perhaps in support of Newsom and policies he supports. Mission Bay, Downtown, and Barbary Coast have seen a new influx of wealthier people, driving the votes to the right.

Regression analysis analyzing the 2006 to 2008 difference in PVI scores, shown in Table 3, indicates the Asian precincts and precincts with twentysomethings moved the most strongly to the left, while more heavily Democrat precincts and precincts with more educated residents moved to the right. Interestingly, and somewhat contradicting what I wrote earlier, LGBT precincts did not show to be statistically significant. Moving slightly to the left were precincts with higher percentages of homeowners, older voters, blacks, and Latinos.

Changes from 2006-2008 were more pronounced than changes from 2004-2006, though D4, D10, and D11 had already begun their leftward march.⁴ Also, neighborhoods now seem to moving more closely together, indicating perhaps some newer political cohesion among neighbors. Whatever the reasons for changes in San Francisco, it's important to keep in mind that overall, the political order of things and the ideological overprint on city voting patterns remains the same. Who indeed could imagine one day the political battle of the uberprogressive Sunset and neocon-dominated Noe Valley? Not this author, that's for sure.

³ I'd appreciate it if readers emailed me their ideas as to the leftward movement of the outer neighborhoods, or any other thoughts on this.

⁴ Please see *Political Changes from the old PVI to the 2003-2006 PVI*, located on Usual Suspects on www.flanalytics.com

Table 3: OLS regression of precinct demographic statistics on PVI changes from 2006 to 2008.
Positive coefficients indicate positive correlation with becoming more liberal.

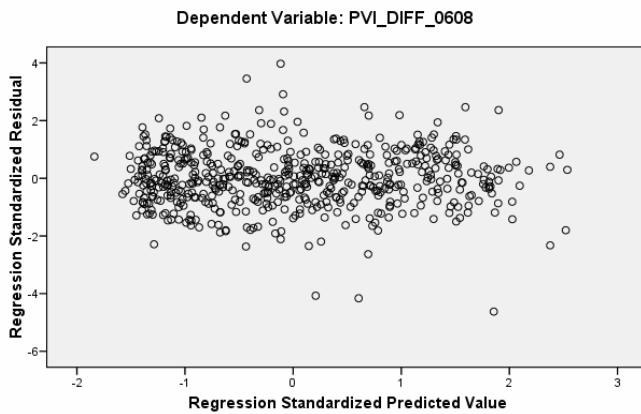
	Unstandardized Coefficients		Standardized Coefficients	t	Sig.
	B	Std. Error	Beta	B	Std. Error
(Constant)	-1.460	1.925		-.759	.448
% Dem in 9/07	-9.485	2.614	-.172	-3.629	.000
Black	3.061	1.561	.094	1.961	.050
API	10.550	1.301	.472	8.107	.000
Hispanic	5.447	1.411	.173	3.861	.000
Homeowner	3.307	.647	.207	5.115	.000
Advanced degree	-6.016	2.501	-.144	-2.406	.016
Age 18-29	9.168	2.386	.178	3.842	.000
Age 60+	4.014	2.207	.079	1.819	.069
LGBT dummy	.157	.421	.015	.372	.710

a. Dependent Variable: PVI_DIFF_0608

Model Summary

R	R Square	Adjusted R Square	Std. Error of the Estimate
.711	.506	.498	2.96685

Residual Plot



Appendix 1: Detailed methodology

Below are the steps taken in creating the PVI. The methodology is very similar to that of 2006.

1. The timeframe for the initiatives was chosen to be from November 2004 to June 2008, around 3.5 years. Initially, I had planned to only use November 2005 to June 2008, but I included November 2004 issues to give the 2008 PVI better continuity with the 2006 PVI. 3.5 years is still a relatively short timeframe and provides a suitable snapshot of the body politic.
2. Rich DeLeon and I each came up with our ballot initiative list and matched them. The list was very similar, with each of us agreeing on what constituted a measure with some ideological underpinning. The initial list was tweaked to improve internal consistency among the measures, through validity testing. The final list ended up being 20 measures, 9 of which were in the 2006 PVI. Table 1 shows the issues that were selected. Unlike the 2006 PVI, each measure covered the same 580 precincts, so no imputation for results in missing precincts was required.
3. Readers will notice that Prop F from June 2008 (50% Affordable Housing) is in the list, but not Prop G (Lennar Development). I didn't want to double count this issue, and F proved to be a slightly stronger ideological issue.

More importantly, neither Question Time measure is in the list (Prop I in 2006 where it was a policy statement, and Prop E in 2007, where it was legit). Rich and I put a lot of thought into this, but inclusion of either of the QT initiatives (using both would have been double counting anyway) had drastic effects on the results. More conservative districts became much more progressive, and some liberal districts became much more conservative. The PVI would have lost much of its predictive qualities.

On theory grounds, it's clear that QT wasn't entirely an ideological issue; it was largely a referendum on one person. Conservatives voted for this to a much greater extent than the PVI would predict, indicating some conservative displeasure with Newsom (i.e., D4 and D7). Meanwhile some more liberal parts of the city voted against this, like in D8 and even parts of D9. Overall, therefore, the measure was deemed unsuitable for the PVI, even though analyzing the results using the PVI (as I did in 2007) was a worthwhile and informative exercise.

4. The final issues list has a Cronbach's Alpha of 0.96, and an inter-item correlation of 0.75. These are excellent values and well above the cutoff for internally valid variables. In other words, the measures chosen all effectively measured the same thing – voting patterns in measures with some (San Francisco) left-right ideological basis.

5. When the list was complete, I ran a principal components factor analysis with varimax rotation. The solutions revealed two factors (groupings of issues), with rotated eigenvalues of 10.7 and 6.1 (unrotated = 15.3 and 1.5). Table 4 shows the loadings on each *rotated* factor and the uniqueness.

Table 4: Uniqueness and factor loadings for the factor analysis

Title	Uniqueness	Factor 1	Factor 2
Historical Preservation Bonds	0.196	0.310	0.841
Noncitizen Voting in School Board Elections	0.077	0.771	0.573
Health Plans for City Residents	0.062	0.843	0.476
Withdrawing U.S. Military Personnel from Iraq	0.093	0.898	0.316
Appointment of Municipal Transportation Agency Board of Directors	0.262	0.684	0.519
Firearm Ban	0.298	0.465	0.697
No Military Recruiters in Public Schools, Scholarships for Education and Job Training	0.104	0.721	0.614
Additional Funding for Homicide Prevention Services	0.168	0.870	0.275
Eviction Disclosure Ordinance	0.185	0.802	0.413
School Bonds	0.219	0.568	0.677
Parking Tax Ordinance	0.147	0.488	0.784
Paid Sick Leave Ordinance	0.050	0.953	0.204
Limitations on Formula Retail Stores	0.100	0.830	0.458
Relocation Assistance for No Fault Tenant Removal	0.203	0.781	0.432
Adopting a Policy Calling for the Impeachment of President Bush and Vice President Cheney	0.078	0.860	0.426
Transit Reform, Parking Regulation and Emissions Reductions	0.165	0.695	0.593
Requiring Public Hearings on Proposed Measures	0.279	-0.062	-0.847
Pension loss for committing crimes of moral turpitude	0.168	-0.667	-0.622
Diversity on City commissions and boards	0.092	0.931	0.202
Affordable housing in Bayview-Hunters Point	0.208	0.780	0.428

6. The factors can be interpreted according to their factor loadings, which must fit into a coherent narrative of San Francisco politics. These interpretations are subjective, of course, but stay consistent with the PVI analysis from 2006. There is no doubt that other valid, if not better, interpretations on the clustering of the issues used in the PVI.

Issues that are in most strongly in the first factor – with scores colored in darker blue – represent more socially ideological issues. To quote Rich DeLeon from our 2006 PVI report:

Factor 1 clearly seems to us to tap a more traditional concept of liberal vs. conservative ideology defined primarily in terms of class and race. Precinct electorates that score highly on Factor 1 are more likely to vote pro-renter, pro-low-income wage earners, pro-childcare, pro-government provided health care, pro-immigrant, pro-community policing, etc.⁵

I believe factor 1 reveals the same construct as Factor 1 from 2006. Factor 2 (darker red numbers) contains issues that are more fiscal and structural in nature – bonds and good government measures (which can also be seen as fiscal). Only the firearm ban

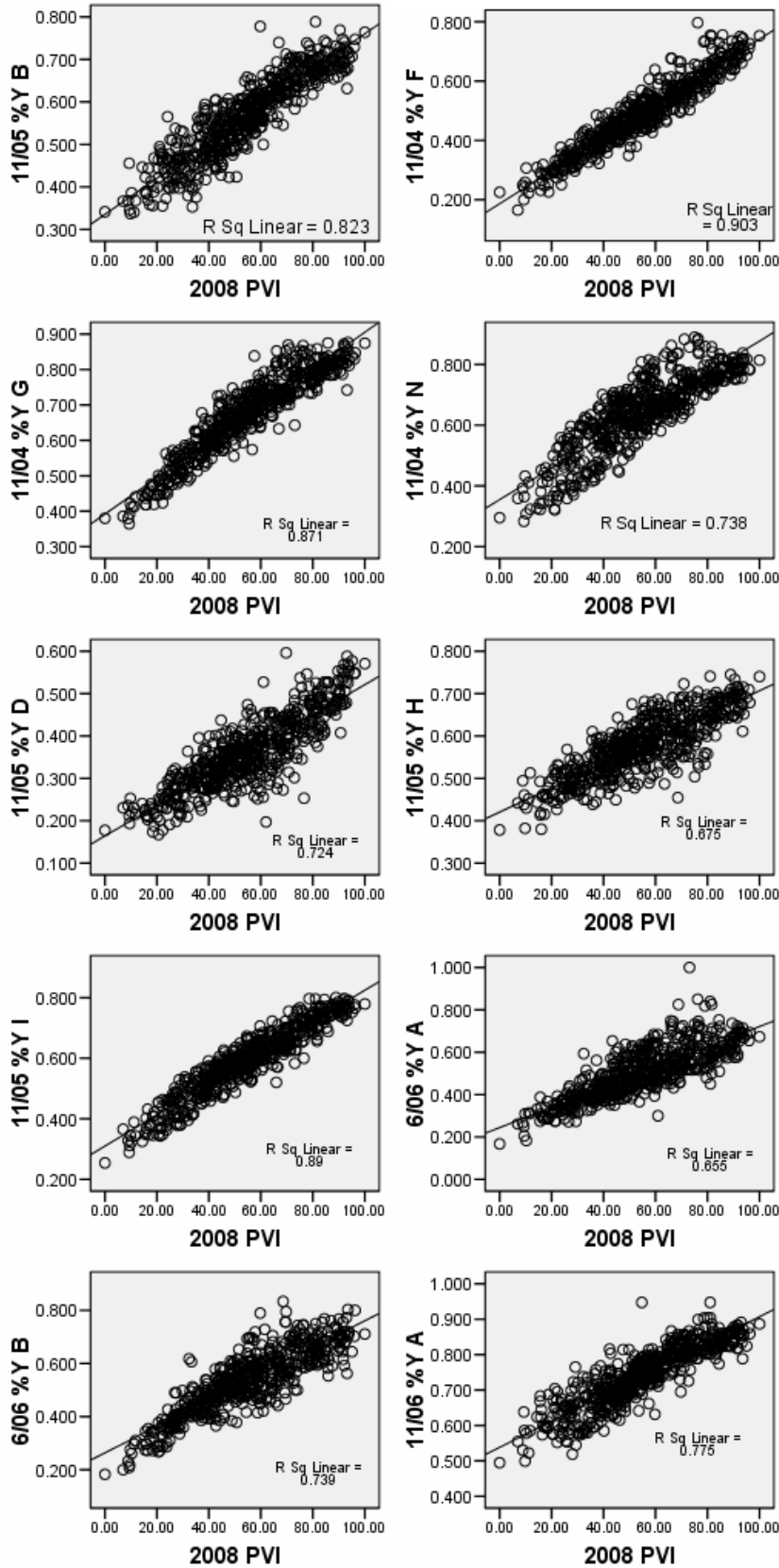
⁵ PVI 3.0: revising & updating the Progressive voting index (PVI) - With map, tables, and precinct scores

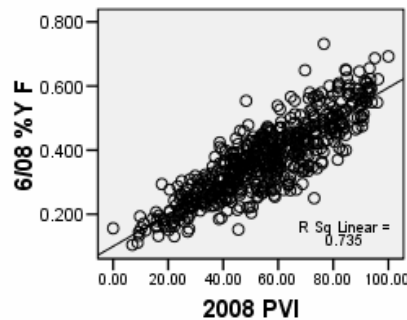
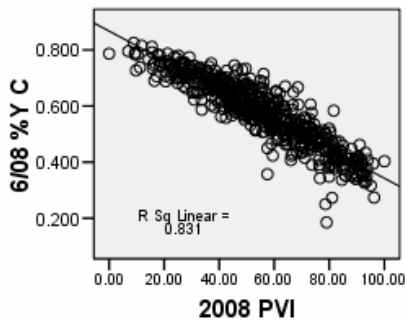
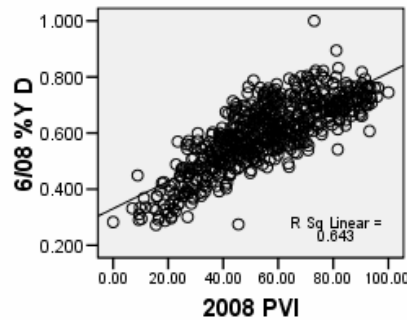
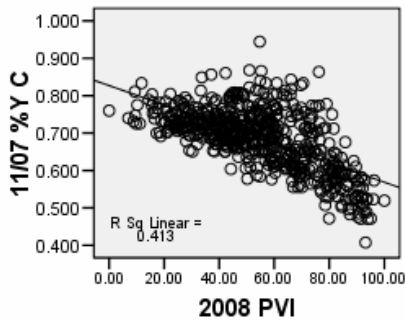
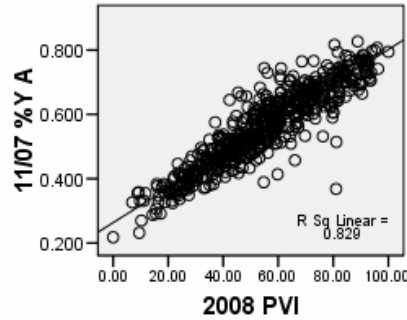
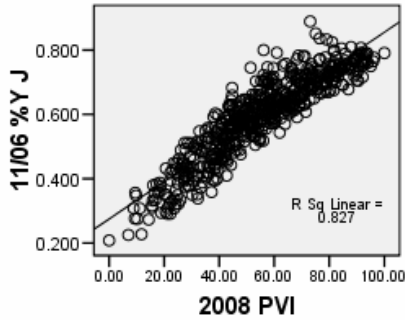
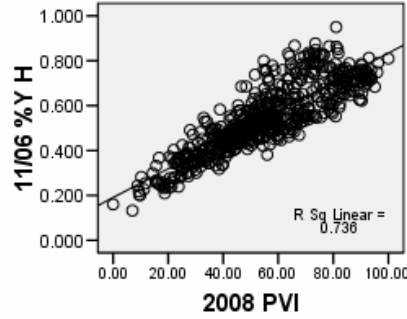
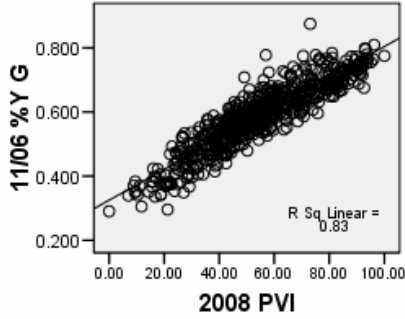
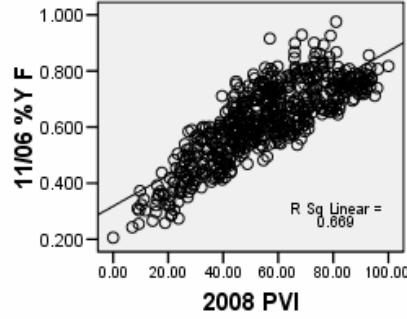
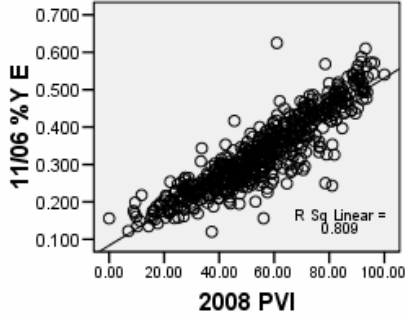
is an exception. In fact, I feel factor 2 in 2008 is clearer than the similar factor from 2006.

The lighter blue and red represent issues that do load preferentially on one factor, but not as strongly. Thus, there could be several things going on with this issue and how people interpret it when they vote. Both factors were given equal weight in the construction of the PVI, as in 2006. The relative closeness of the rotated eigenvalues justifies this, but if someone attempts to create their own index based on another, perhaps more logical, weighting scheme, the precinct factor scores for each precinct are given in Appendix 2.

7. Standardized factor scores were constructed for both factors in each precinct. These two scores were summed, and then calibrated to the familiar 0-100 scale. 0 was assigned to the most “conservative” precinct and 100 was assigned to the most “liberal” precinct. The resulting 0-100 scale is the PVI.
8. To test the new PVI, I correlated it with each of its constituent issues (20 of them). By inspection, and by the R2 value, the new PVI matches very well, collectively, to its components (Figure 3).

Figure 3: Correlations of PVI with constituent issues





Appendix 2: Chart of precinct PVI values for 2006 and 2008, and 2008 factor loadings

Precinct	District	PVI 2006	PVI 2008	2008 raw factor 1	2008 raw factor 2	Precinct	District	PVI 2006	PVI 2008	2008 raw factor 1	2008 raw factor 2
1101	11	42.21	47.32	0.29332	-0.82369	3204	2	22.8	20.52	-1.91802	-0.4786
1102	11	43.31	45.92	0.11607	-0.74391	3205	2	40.02	38.5	-1.50762	0.36324
1103	11	48.94	52.5	0.80857	-0.97842	3206	2	27.54	27.08	-2.05131	0.11146
1104	11	46.95	48.67	0.11209	-0.54889	3207	2	12.16	10.27	-2.32399	-0.78698
1105	11	47.81	48.39	0.84196	-1.29819	3208	2	23.88	22.01	-1.81425	-0.47882
1106	11	57.65	61.01	0.93212	-0.50959	3209	2	28.53	27.95	-1.25774	-0.62134
1107	11	52.09	60.77	0.87286	-0.46647	3210	2	22.81	22.76	-1.99411	-0.24697
1108	11	47.2	53.19	0.86101	-0.98295	3211	2	34.45	32.23	-1.39482	-0.18631
1109	11	51.61	58.83	0.54039	-0.26898	3212	2	30.7	32.94	-1.16605	-0.36597
1111	11	44.4	48.72	0.39654	-0.82959	3213	2	28.42	25.15	-1.6288	-0.44558
1112	11	41.69	44.7	1.26012	-1.973	3214	2	27.77	24.12	-1.76025	-0.3856
1113	11	44.68	46.34	0.50799	-1.10653	3215	2	21.07	15.58	-2.41933	-0.32139
1114	11	50.53	51.99	0.80731	-1.01252	3216	2	30.45	27.49	-1.49946	-0.41214
1115	11	53.19	56.08	0.69499	-0.61565	3217	2	28.8	27.99	-1.31135	-0.56535
1116	11	46.85	53.32	0.81818	-0.93053	3218	2	34.29	30.89	-0.97634	-0.69803
1117	11	50.46	54.83	1.13987	-1.14757	3219	2	41	36.34	-0.90815	-0.38723
1118	11	52.18	55.3	1.68474	-1.65949	3221	2	41.97	37.67	-1.50441	0.30157
1119	11	35.46	38.6	0.15338	-1.2914	3222	2	27.67	28.42	-1.96985	0.12306
1121	11	48.13	50.18	1.02075	-1.35179	3223	2	13.84	9.34	-2.49952	-0.67624
1122	11	52	54.62	0.95078	-0.97264	3224	2	24.01	21.05	-2.56761	0.20789
1123	11	53.07	57.92	0.74896	-0.54138	3225	2	22.93	15.63	-1.73902	-0.99834
1124	11	41.99	47.96	0.53698	-1.02324	3226	2	31.02	25.93	-1.7237	-0.29614
1125	11	53.76	54.58	1.24195	-1.26653	3227	2	29.54	29.01	-1.49867	-0.30682
1126	11	53.28	58.07	1.27064	-1.05222	3228	2	34.82	34.15	-1.06116	-0.38616
1127	11	52.52	56.49	0.84056	-0.73239	3229	2	44.93	46.02	-1.07655	0.45567
1128	11	52.99	59.68	1.24959	-0.9192	3231	2	33.67	32.09	-1.86983	0.27886
1129	11	56.68	58.29	0.98165	-0.74806	3232	2	30.12	23.68	-1.98904	-0.18758
1131	11	57.23	59.04	1.16338	-0.87763	3233	2	27.83	21.58	-1.91807	-0.40509
1132	11	56.38	56.13	1.16247	-1.0795	3234	2	33.39	31.66	-1.65866	0.03738
1133	11	33.15	37.92	0.01187	-1.19719	3235	2	48.19	47.49	-1.02431	0.50542
1134	11	40.61	46.17	0.86474	-1.47532	3236	2	44.44	45.5	-1.11947	0.46205
1135	11	42.6	47.77	0.5151	-1.01443	3237	2	39.9	35.71	-1.38105	0.04183
1136	11	33.28	37.29	0.21143	-1.44069	3238	2	38.25	36.65	-1.39946	0.12567
1137	11	30.46	42.86	0.36984	-1.21095	3239	2	38.6	35.7	-1.17159	-0.16821
1138	11	42.08	43.82	0.38922	-1.16341	3241	2	48.82	45.94	-0.73168	0.1052
1139	11	47.44	53.13	0.73095	-0.85715	3242	2	45.32	42.31	-0.89111	0.01188
1141	11	49.9	56.35	0.98374	-0.88525	3243	2	38.7	40.57	-0.81849	-0.18208
1142	11	36.97	43.61	0.54674	-1.33564	3301	3	57	56.66	0.75618	-0.63651
1143	11	45.51	47.58	0.90811	-1.42078	3302	3	41.53	42.44	-0.94238	0.0722
1144	11	40.55	47.29	0.7772	-1.30959	3303	3	51.01	49.37	-0.46004	0.07254
1145	11	30.7	30.79	-0.22959	-1.45224	3304	3	40.87	38.44	-1.33074	0.18196
1146	11	41.92	50.66	0.30606	-0.60427	3305	3	41.35	38.2	-0.83745	-0.3282
1147	11	30.34	38.61	-0.05558	-1.08113	3306	3	42.78	41.38	-1.26756	0.32375
2001	10	47.64	53.39	1.34047	-1.44796	3307	3	48.54	51.35	-0.51268	0.26269
2002	10	46.92	53.16	0.42508	-0.54908	3308	3	53.39	51.49	-0.06746	-0.17243
2003	10	24.83	32.85	0.09227	-1.63054	3309	3	43.41	41.11	-1.27146	0.30877
2004	10	43.93	52.62	0.81632	-0.9776	3311	3	17.04	11.79	-2.07637	-0.92862
2005	10	54.2	59.25	1.16016	-0.85986	3312	3	55.65	53.11	0.11678	-0.24404
2006	10	42.6	43.4	0.96497	-1.76838	3313	3	47.04	49.2	-0.81448	0.41468
2007	10	47.02	51.4	1.37417	-1.6203	3314	3	45.21	42.58	-0.87476	0.01388
2008	10	41.29	45.72	0.67769	-1.31946	3315	3	30.61	28.76	-1.66493	-0.15807

2009	10	57.5	49.09	1.67467	-2.08222	3316	3	52.68	60.67	0.85793	-0.45853
2011	10	47.71	50.99	1.7476	-2.02244	3317	3	53.63	60.78	0.76379	-0.35675
2012	10	81.87	76.22	2.17727	-0.6951	3318	3	54.86	57.45	0.69012	-0.51498
2013	10	87.48	81	2.12368	-0.30881	3319	3	59.49	63.42	0.69977	-0.10885
2014	10	67.18	65.88	1.89117	-1.12895	3321	3	59.36	61.37	0.27066	0.17706
2015	10	45.38	50.94	1.27606	-1.55432	3322	3	48.28	48.69	-0.175	-0.26018
2016	10	36.12	43.54	0.92379	-1.71765	3323	3	48.7	55.69	0.02505	0.02734
2017	10	31.8	44.78	0.73759	-1.44494	3324	3	51.84	51.14	-0.14566	-0.11861
2018	10	42.23	48.93	1.20865	-1.62684	3325	3	48.02	50.88	0.06598	-0.34881
2019	10	40.39	44.07	0.76041	-1.51749	3326	3	51.11	61.02	1.3909	-0.96721
2101	1	39.85	46.21	-0.10298	-0.50492	3327	3	54	56.1	1.6767	-1.5956
2102	1	41.92	38.34	-0.77592	-0.38004	3328	3	46.51	48.34	1.28769	-1.74744
2103	1	41.57	39.24	-0.36232	-0.73094	3329	3	37.07	33.31	-0.7948	-0.7112
2104	1	48.44	48.68	-0.10897	-0.32665	3331	3	51	55.47	0.36475	-0.32781
2105	1	43.51	41.65	-0.90641	-0.01871	3332	3	62.57	66.68	0.1831	0.63462
2106	1	49.54	43.52	-0.41207	-0.38295	3333	3	58.43	59.61	-0.08677	0.41205
2107	1	43.67	45.02	-0.26251	-0.42814	3334	3	38.19	35.55	-1.23503	-0.1148
2108	1	45.67	43.55	-0.16425	-0.62871	3335	3	32.1	32.37	-0.68519	-0.8865
2109	1	50.83	52.31	-0.18641	0.0037	3336	3	46.37	54.89	1.59289	-1.59655
2111	1	47.23	51.4	-0.35976	0.11339	3337	3	46.51	46.6	0.94366	-1.52445
2112	1	50.73	50.05	-0.21615	-0.12429	3338	3	68.41	69.41	0.9752	0.03238
2113	1	54.98	53.96	-0.11106	0.04273	3339	3	64.47	69.58	0.74891	0.27046
2114	1	62.7	62.44	-0.06089	0.5836	3341	3	49.7	51.67	0.05597	-0.28348
2115	1	55.66	56.29	-0.05331	0.14769	3342	3	54.89	60.32	-0.03595	0.41077
2116	1	51.49	56.34	0.40313	-0.30517	3343	3	43.59	46.35	-0.75776	0.15937
2117	1	48.62	48.27	-0.33888	-0.12556	3344	3	40.23	45.45	0.32433	-0.98493
2118	1	45.61	46.95	-0.29991	-0.2565	3345	3	69.22	71.27	0.68813	0.44931
2119	1	37.7	43.83	-0.07003	-0.70356	3346	3	58.59	55.47	0.03273	0.00433
2121	1	31.56	38.75	-0.01026	-1.11717	3347	3	60.43	61.5	0.77518	-0.31788
2122	1	47.64	46.56	-0.11653	-0.46699	3348	3	59.68	63.24	0.61218	-0.03432
2123	1	39.08	45.16	-0.28409	-0.39669	3349	3	71.07	72.71	0.86066	0.37682
2124	1	49.76	52.41	0.03152	-0.20769	3351	3	70.96	73.18	0.88839	0.38184
2125	1	42.41	43.97	0.11367	-0.87711	3501	5	62.86	56.22	-0.3686	0.45807
2126	1	40.54	44.34	-0.12479	-0.61334	3502	5	50.07	42.67	-1.08309	0.2286
2127	1	42.31	41.22	-0.38098	-0.57428	3503	5	52.84	51.91	-0.88997	0.67904
2128	1	41.36	51.06	-0.13298	-0.1374	3504	5	53.03	51.37	-0.12347	-0.12503
2129	1	47.15	48.74	0.03798	-0.46956	3505	5	57.32	58.8	0.42195	-0.15295
2131	1	48.9	56.5	0.27915	-0.17047	3506	5	41.94	37.07	-0.78184	-0.4623
2132	1	47.24	50.87	-0.5536	0.27058	3507	5	65.46	65.79	0.40662	0.34944
2133	1	48.22	47	-0.60386	0.05123	3508	5	69.36	66.2	1.08896	-0.30464
2134	1	39.93	40.44	-0.90052	-0.10889	3509	5	70.43	71.98	1.48686	-0.30014
2135	1	42.36	43.69	-0.10424	-0.67913	3510	5	73.33	73.71	1.38888	-0.08189
2136	1	40.76	43.04	-0.27165	-0.55675	3511	5	89.13	88.02	0.63558	1.66806
2137	1	44.18	45.31	-0.07713	-0.5935	3512	5	93.87	93.49	1.02195	1.66253
2138	1	38.64	42.7	-0.29017	-0.56211	3513	5	80.56	81.29	0.42377	1.41167
2139	1	35.39	37.79	-0.71646	-0.47758	3514	5	86.73	79.99	1.0865	0.6583
2141	1	47.85	53.4	0.05181	-0.15863	3515	5	76.76	81.83	1.6574	0.21543
2142	1	34.73	42.27	-0.62853	-0.25356	3516	5	87.79	85.36	0.88884	1.23013
2143	1	47.05	47.02	0.06201	-0.61323	3517	5	93.28	93.98	0.65998	2.05881
2144	1	35.01	39.33	-0.77201	-0.31514	3518	5	88.37	89.66	0.79192	1.6265
2145	1	38.81	40.72	-1.17006	0.18018	3519	5	80.24	72.89	0.81309	0.43711
2146	1	57.42	59.04	-0.4878	0.77365	3520	5	84.29	83.14	0.44918	1.51476
2147	1	58	59.25	-0.02096	0.32096	3521	5	83.92	84.44	0.9854	1.06942
2148	1	55.57	58.89	-0.11722	0.39216	3522	5	71.53	69.67	1.73563	-0.70947
2149	1	57.93	61.1	-0.03679	0.46585	3523	5	74.3	73.53	1.42707	-0.13251

2150	1	53.23	54.81	-0.63744	0.62859	3524	5	77.52	76.98	0.10233	1.43238
2151	1	81.61	81.11	1.40031	0.42238	3525	5	80.72	78.97	0.22737	1.44603
2152	1	66.65	61.98	-0.75395	1.2446	3526	5	89.85	82.43	0.36654	1.5481
2200	2	19.68	18.88	-2.5065	-0.00474	3527	5	93.53	92.94	1.35509	1.29152
2201	2	29.1	23.76	-2.328	0.15706	3528	5	84.98	80.41	0.76027	1.01333
2202	2	27.5	24.88	-1.73636	-0.35668	3529	5	90.03	90.16	1.03504	1.41791
2203	2	41.59	39.64	-1.33022	0.26512	3531	5	94.51	92.01	0.89767	1.68432
2204	2	44.35	40.81	-1.51709	0.53314	3532	5	84.58	82.58	1.14812	0.77686
2205	2	36.32	37.23	-1.34019	0.10706	3533	5	83.5	83.39	0.99377	0.98784
2206	2	20.97	22.22	-2.20154	-0.07666	3534	5	90.76	85.87	0.78505	1.3688
2207	2	32.68	29.16	-1.7877	-0.0073	3535	5	90.12	91.39	0.39458	2.14413
2208	2	22.91	21.24	-2.68569	0.33927	3536	5	85.61	78.78	0.37733	1.28317
2209	2	35.96	30.18	-1.74876	0.02485	3537	5	86.84	83.97	0.2692	1.75276
2211	2	37	33.87	-1.32691	-0.14018	3538	5	84.18	81.09	0.13863	1.68271
2212	2	38	36.42	-1.34814	0.05866	3539	5	90.48	83.05	0.48989	1.46775
2213	2	36.79	38.44	-0.82097	-0.32762	3541	5	92.05	90.06	0.6958	1.75005
2214	2	48.56	42.72	-0.95433	0.10377	3542	5	89.23	84.43	0.32427	1.72926
2215	2	47.25	42.97	-1.2187	0.38522	3543	5	90	90.36	0.91614	1.55063
2216	2	47.25	50.21	-1.43724	1.10768	3544	5	91.48	91.04	0.74359	1.77087
2217	2	57.96	58.11	-0.13023	0.35116	3545	5	89.01	83.65	0.41128	1.58842
2218	2	42.6	42.42	-0.77883	-0.09317	3546	5	88.38	86.71	0.49269	1.71982
2219	2	77.44	79.95	0.71497	1.0267	3547	5	85.06	81.71	0.54131	1.32309
2401	4	59.82	63.46	0.67249	-0.0793	3548	5	83.18	78.61	-0.13161	1.78025
2402	4	52.6	57.89	0.19409	0.01125	3549	5	70.29	68.25	-0.47071	1.3978
2403	4	35.64	40.87	-0.06192	-0.91743	3551	5	83.63	79.59	-0.25671	1.97373
2404	4	36.13	41.91	-0.30913	-0.59802	3552	5	76.24	70.86	-0.46221	1.57097
2405	4	34.16	36.16	-0.37863	-0.92877	3553	5	71.77	63.93	-0.85439	1.48088
2406	4	44.73	48.2	0.00928	-0.47849	3554	5	61.4	55.98	-1.07055	1.14317
2407	4	42.66	43.81	-0.15569	-0.61897	3555	5	49.37	45.53	-1.51703	0.86168
2408	4	54.76	60.25	0.30024	0.06963	3601	6	72.22	72.78	1.25375	-0.01088
2409	4	47.66	51.32	-0.1514	-0.10026	3602	6	71.5	74.12	1.07833	0.25723
2411	4	37.02	45.23	-0.03666	-0.63918	3603	6	77.68	76.32	0.99105	0.49835
2412	4	37.71	40.15	0.05208	-1.08183	3604	6	69.41	71	1.28474	-0.16596
2413	4	30.15	37.02	-0.44775	-0.79984	3605	6	68	68.04	1.36919	-0.45683
2414	4	33.93	40.15	-0.49158	-0.53857	3606	6	66.23	63.66	1.10472	-0.4974
2415	4	47.1	51.99	0.38065	-0.58574	3607	6	66.23	54.73	1.20678	-1.22155
2416	4	36.65	41.85	0.4738	-1.38491	3608	6	56.55	55.52	0.28637	-0.2459
2417	4	21.31	27.41	0.08007	-1.99736	3609	6	58.85	58.72	0.56289	-0.29919
2418	4	22.15	29.34	-0.86766	-0.91502	3610	6	75.71	76.58	1.76047	-0.25351
2419	4	15.42	22.16	-1.11677	-1.16589	3611	6	75.98	74.44	1.09636	0.26191
2421	4	23.77	25.45	-0.73141	-1.32196	3612	6	72.89	72.97	0.79462	0.46102
2422	4	28.78	35.11	-0.52587	-0.85479	3613	6	73.33	73.19	1.27875	-0.00765
2423	4	30.65	35.72	-0.32843	-1.01007	3614	6	69.5	73.6	1.71925	-0.4194
2424	4	30.35	34.99	-0.03193	-1.35728	3615	6	81.67	80.77	0.52563	1.27349
2425	4	25.67	31.94	-0.28895	-1.3126	3616	6	65.48	64.15	0.74638	-0.10482
2426	4	31.03	36.18	-0.17677	-1.12947	3617	6	73.47	71.46	1.21388	-0.06339
2427	4	32.2	38.79	-0.10865	-1.01586	3618	6	74.81	73.49	1.18556	0.10636
2428	4	40.41	45.1	0.2006	-0.88543	3619	6	63.44	65.94	1.44658	-0.68004
2429	4	29.97	38.94	0.01089	-1.12487	3620	6	75.59	72.34	0.9279	0.28378
2431	4	27.08	28.6	-0.12997	-1.70397	3621	6	75.65	75.66	1.57368	-0.13064
2432	4	31.15	35.04	-0.09268	-1.29324	3622	6	85.65	83.68	0.81578	1.18591
2433	4	18.92	28.02	-0.68114	-1.19343	3623	6	66.76	67.32	0.30717	0.55532
2434	4	25.75	31.86	-0.26528	-1.34193	3624	6	75.44	75.08	0.75701	0.64605
2435	4	38.14	44.71	0.09882	-0.81098	3625	6	76.34	78.51	1.17998	0.46189
2436	4	28.01	32.36	-0.06539	-1.50714	3626	6	70.71	71.46	1.24194	-0.09155

2437	4	23.81	33.86	-0.28349	-1.18408	3627	6	60.21	64.01	1.13472	-0.50266
2438	4	20.06	26.13	-0.46701	-1.53935	3628	6	51.48	45.17	-0.84133	0.16106
2439	4	22.63	29.83	-0.20562	-1.54283	3629	6	42.18	39.33	-1.1576	0.07074
2441	4	35.7	42.63	0.21064	-1.06784	3630	6	69.87	68.24	0.9221	0.00398
2442	4	29.89	35.85	0.08293	-1.41247	3631	6	63.56	64.59	0.88309	-0.21095
2443	4	20.2	23.51	-0.35426	-1.83446	3632	6	91.3	90.43	0.87167	1.60025
2444	4	26.87	30.75	-0.18078	-1.50357	3633	6	83.14	84.45	1.5302	0.52487
2445	4	30.53	30.95	-0.24095	-1.42989	3634	6	83.8	79.88	0.7902	0.94651
2446	4	29.1	32.82	-0.47645	-1.06417	3635	6	67.33	65.41	0.38769	0.34129
2447	4	29.4	39.19	-0.16544	-0.93118	3636	6	77.87	77.71	1.52983	0.05629
2448	4	22.29	26.64	-0.39278	-1.57756	3637	6	63.69	60.73	0.5881	-0.18459
2449	4	17.41	22.88	-0.92873	-1.30386	3638	6	56.33	55.79	0.5432	-0.48392
2451	4	27.28	26.08	-1.01328	-0.99652	3639	6	54.84	53.78	-0.68434	0.60388
2501	5	68.25	60.98	0.56221	-0.14174	3640	6	45.46	38.45	-1.48523	0.3369
2502	5	64.11	59.75	0.59879	-0.26395	3641	6	65.95	59.81	-0.41114	0.75072
2503	5	70.74	66.5	-0.05855	0.86393	3642	6	46.91	42.47	-0.48933	-0.37877
2504	5	59.14	57.97	-0.02774	0.23903	3643	6	62.44	56.67	0.09967	0.02113
2505	5	55.01	53.56	-0.36415	0.26817	3644	6	92.87	96.25	1.24151	1.63542
2506	5	56.94	59.98	0.05238	0.29855	3645	6	84.91	81.68	1.0418	0.82076
2507	5	72.45	69.42	0.13189	0.87641	3646	6	77.86	79	0.71908	0.9567
2508	5	71.35	69.12	0.2009	0.78708	3647	6	79.78	78.53	0.19285	1.45011
2509	5	69.27	66.33	-0.05057	0.84429	3648	6	42.85	38.49	-1.05529	-0.0904
2511	5	73.58	67.55	0.04443	0.83418	3649	6	89.95	85.79	1.4463	0.70201
2512	5	76.35	69.25	-0.44692	1.44362	3650	6	50.06	50.36	-0.38617	0.06706
2513	5	73.8	74.51	0.01294	1.35006	3651	6	69.51	64.44	1.1504	-0.48834
2514	5	66.95	68.57	1.19351	-0.24422	3652	6	35.25	27.31	-1.5037	-0.42
2515	5	73.48	70.98	-0.36368	1.48088	3701	7	34.66	33.66	-0.50763	-0.97404
2701	7	49.84	49.57	-0.12164	-0.25183	3702	7	46.58	49.61	-0.5091	0.1382
2702	7	58.36	60.35	-0.40356	0.78056	3703	7	44.48	46.63	0.02109	-0.59984
2703	7	61.52	54.6	-0.72844	0.70496	3801	8	57.06	50.67	-0.69307	0.39569
2704	7	23.47	24.61	-0.90655	-1.20564	3802	8	74.86	69.3	-0.45701	1.45748
2705	7	42.72	44.25	-1.44887	0.70476	3803	8	89.77	90.71	0.19438	2.29717
2706	7	50.48	47.85	-0.75588	0.26211	3804	8	84.15	82.15	0.24515	1.65002
2707	7	44.37	44.15	-0.62305	-0.12812	3805	8	75.73	69.5	-0.34138	1.35528
2708	7	27.77	27.22	-1.07344	-0.85657	3806	8	88.62	84.47	0.37911	1.67759
2709	7	19.8	17.28	-1.77715	-0.84512	3807	8	84.95	84.57	-0.08373	2.14758
2711	7	23.67	26.55	-1.26657	-0.71031	3808	8	60.36	54.4	-0.98422	0.94674
2712	7	20.29	24.28	-1.48258	-0.65243	3809	8	65.28	58.95	-0.45674	0.73631
2713	7	53.49	52.69	-0.2164	0.0602	3811	8	79.59	75.81	-0.00078	1.45406
2714	7	25.58	24.75	-1.28483	-0.81744	3812	8	87.05	83.32	0.4438	1.5326
2715	7	21.47	20.22	-2.15121	-0.26639	3813	8	89.16	88.89	0.80084	1.56361
2716	7	67.07	69.72	1.54899	-0.51958	3814	8	81.74	82.06	0.32471	1.56404
2717	7	23.98	29.2	-1.44839	-0.34418	3815	8	80.54	79.78	0.54515	1.18463
2718	7	27.09	33.54	-0.59141	-0.89875	3816	8	63.07	58.76	-0.79555	1.06202
2719	7	23.14	24.92	-1.24488	-0.84535	3817	8	68.48	63.54	-0.46092	1.05991
2721	7	16.53	18.73	-2.14392	-0.37739	3818	8	68.39	64.36	-0.46332	1.11976
2722	7	17.32	16.43	-1.98806	-0.69356	3819	8	67.78	64.04	-0.78151	1.41531
2723	7	23.05	24.2	-1.07202	-1.06834	3821	8	74.84	70.74	0.00555	1.09473
2724	7	21.25	20.58	-1.30411	-1.0884	3822	8	77.99	73.88	0.53636	0.78302
2725	7	28.36	27.08	-1.24523	-0.69446	3823	8	74.69	74.03	-0.08239	1.41198
2726	7	19.78	18.5	-2.0401	-0.49774	3824	8	88.69	88.87	0.60967	1.75309
2727	7	31.59	27.42	-1.31187	-0.6046	3825	8	90.75	91.58	0.89288	1.65911
2728	7	0	8.92	-1.8199	-1.38499	3826	8	51.89	52.59	-0.31141	0.14804
2729	7	7.5	11.18	-1.74008	-1.30729	3827	8	63.49	58.51	-0.58363	0.83259
2730	7	49.09	51.55	0.80499	-1.04101	3828	8	70.32	66.57	-0.629	1.43885

2731	7	4.08	9.78	-1.64229	-1.50236	3829	8	67.43	59.9	-0.76559	1.11133
2732	7	5.33	7	-2.46166	-0.87641	3831	8	54.45	48.8	-1.24608	0.81848
2733	7	17.71	18.44	-1.55104	-0.99082	3832	8	74.21	71.06	-0.35585	1.47849
2734	7	2.8	0	-2.66923	-1.15665	3833	8	97.14	95.99	0.59294	2.26576
2735	7	5.81	9.5	-2.30781	-0.85647	3834	8	96.04	91.67	0.32861	2.22974
2736	7	30.62	30.29	-1.57474	-0.14167	3835	8	53.29	50.33	-0.3372	0.01651
2737	7	31.08	28.97	-1.35586	-0.45246	3836	8	57.67	56.47	0.18222	-0.07538
2738	7	16.98	15.88	-1.86082	-0.85931	3837	8	60.3	52.85	-0.82995	0.68484
2739	7	18.39	16.04	-1.46947	-1.2393	3838	8	62.95	57.4	-0.46516	0.63694
2741	7	36.55	38.29	-0.96039	-0.1992	3839	8	67.05	64.31	-0.66262	1.31565
2742	7	34.44	34.13	-1.08619	-0.36309	3841	8	71.54	71.08	-0.05521	1.17912
2743	7	49.5	49.16	-0.15812	-0.24399	3842	8	76.19	72.53	-0.22053	1.44533
2744	7	35.73	38.82	0.04042	-1.16265	3843	8	89.79	90.47	0.01617	2.45799
2745	7	66.58	78.61	1.6	0.04856	3844	8	91.89	87.51	0.08748	2.18083
2746	7	15.03	17.69	-1.17728	-1.4166	3845	8	68.24	61.98	-0.68888	1.17902
2747	7	23.47	20.65	-1.72856	-0.65938	3846	8	68.45	63.65	-0.53203	1.13842
2748	7	46.31	39.88	-0.42226	-0.62653	3847	8	68.68	64.54	-0.28304	0.95172
2749	7	36.79	34.59	-0.3136	-1.10334	3848	8	79.37	75.93	-0.26936	1.7311
2751	7	29.32	29.89	-0.99551	-0.74891	3849	8	83.84	81.62	-0.02436	1.88219
2752	7	42.58	43.02	-0.27366	-0.55662	3851	8	71.33	65.71	-0.50306	1.25307
2753	7	48.9	50.04	-0.34899	0.00806	3852	8	46.42	41.39	-0.80271	-0.14056
2754	7	63.51	73.06	2.45707	-1.19485	3853	8	59.2	58.76	-0.66097	0.92714
2755	7	63.14	61.03	0.0025	0.42148	3854	8	59.71	52.39	-0.61566	0.438
2756	7	53.67	55.75	0.83875	-0.7822	3855	8	59.88	59.63	-0.65265	0.97975
2757	7	52.48	55.47	0.44472	-0.40768	3856	8	70.64	68.96	-0.23709	1.2137
2758	7	49.39	54.76	0.92402	-0.93633	3857	8	25.26	22.24	-1.43276	-0.84447
2759	7	55.03	57.81	0.72663	-0.52631	3858	8	64.2	57.33	-0.17791	0.34428
2761	7	46.79	48.88	0.84584	-1.26753	3859	8	71.45	67.51	-0.15973	1.03494
2901	9	39.56	44.28	0.80064	-1.54319	3861	8	71.31	70.43	0.05328	1.02559
2902	9	36.7	43.87	0.77285	-1.54364	3862	8	28.79	27.62	-1.05089	-0.85161
2903	9	34.67	40.67	-0.03449	-0.95932	3863	8	52.71	46	-0.81614	0.19395
2904	9	21.37	26.92	-0.17962	-1.77151	3864	8	67.41	57	-0.83747	0.98113
2905	9	39.53	40.87	0.54436	-1.52431	3865	8	70.64	71.03	0.20959	0.91135
2906	9	33.92	39.58	0.72985	-1.79966	3866	8	57.62	54.5	-0.25933	0.22878
3001	10	64.06	67.08	-0.11954	0.96529	3867	8	56.96	54.27	-0.6953	0.64875
3002	10	72.85	70.09	-0.30948	1.36473	3868	8	70.55	67.63	-0.51153	1.39576
3003	10	76.19	79.95	0.21472	1.527	3869	8	67.6	60.95	-0.1402	0.55879
3004	10	64.97	60.29	-0.5232	0.89568	3871	8	68.03	59.85	0.04515	0.29691
3005	10	73.07	65.93	-0.64317	1.40893	3872	8	57.05	52.26	-0.342	0.1552
3006	10	72.41	65.33	-0.35911	1.08269	3901	9	93.19	92.61	0.74381	1.87978
3007	10	70.95	67.55	0.06517	0.81296	3902	9	92.35	92.1	0.8081	1.77991
3008	10	71.16	65.91	0.01541	0.74863	3903	9	84.65	84.97	0.96353	1.12828
3009	10	77.41	81.63	1.38417	0.47476	3904	9	91.63	92.43	0.86924	1.74209
3010	10	66.83	61.18	0.42514	0.0099	3905	9	86.11	85.76	0.84668	1.29982
3011	10	74.12	69.64	-0.06413	1.08774	3906	9	92.01	93.74	0.89892	1.80316
3012	10	86.1	93.19	0.16282	2.50077	3907	9	84.48	87.9	0.87123	1.42407
3013	10	61.03	64.16	1.36441	-0.72198	3908	9	83.82	85.91	0.84562	1.31104
3014	10	67.68	71.12	1.69969	-0.57287	3909	9	85.87	91.49	1.28289	1.26254
3015	10	78.51	75.07	2.18875	-0.78669	3911	9	89.78	88.41	0.76476	1.56626
3016	10	79.08	79	2.18876	-0.51332	3912	9	100	100	0.99116	2.147
3017	10	49.15	57.16	1.20055	-1.04546	3913	9	91.06	95.08	0.74235	2.05313
3018	10	57.68	59.78	1.10916	-0.77159	3914	9	94.11	93.54	1.08735	1.60101
3019	10	69.41	66.15	1.65164	-0.87082	3915	9	87.35	89.51	1.15519	1.25223
3020	10	69.92	76.48	1.79022	-0.29	3916	9	76.65	82.04	0.99392	0.89351
3021	10	63.22	66.19	1.09087	-0.30707	3917	9	93.85	92.11	0.86624	1.72234

3022	10	60.24	59.46	1.29224	-0.97699	3918	9	81.98	84.71	1.32197	0.75139
3023	10	49.27	54.62	1.2934	-1.31533	3919	9	87.72	86.93	0.34648	1.88172
3024	10	61	63.18	1.44962	-0.87536	3921	9	91.44	89.66	0.55403	1.86397
3025	10	67.38	68.29	1.87292	-0.94323	3922	9	90.34	89.09	0.50672	1.87169
3026	10	74.21	76.38	1.94906	-0.45591	3923	9	80.91	73.76	0.11013	1.2004
3027	10	70.53	66.05	2.05344	-1.27992	3924	9	79.66	79.71	0.37404	1.35096
3028	10	36.32	44.7	1.04346	-1.75669	3925	9	79.23	75.49	0.0979	1.33357
3029	10	52.49	56.94	1.7149	-1.57566	3926	9	76.33	79.12	0.2929	1.39123
3031	10	63.24	57.53	1.425	-1.24456	3927	9	86.18	82.24	0.07654	1.82508
3032	10	65.32	66.8	1.66477	-0.83881	3928	9	89.64	90.34	0.3632	2.10245
3033	10	67.75	76.62	1.37552	0.13473	3929	9	78.61	76.84	0.38221	1.14301
3034	10	54.8	57.5	1.06542	-0.88677	3931	9	86.88	86.16	0.7701	1.40432
3035	10	72.74	68.81	1.38987	-0.42407	3932	9	84.46	80.85	0.27608	1.52813
3036	10	58.92	58.97	1.07797	-0.79687	3933	9	77.11	77.81	0.5602	1.0325
3101	1	64.1	66.91	-0.60996	1.44382	3934	9	71.66	69.86	0.52575	0.51357
3200	2	71.43	64.55	0.25314	0.41601	3935	9	64.31	66.96	0.40853	0.42872
3201	2	56.15	49.83	-0.67001	0.31458	3936	9	54.69	58.45	0.20803	0.03682
3202	2	18.45	14.38	-2.09931	-0.72516	3937	9	75.98	73.37	0.54149	0.74192
3203	2	21.61	16.71	-1.96237	-0.70016	3938	9	81.14	70.52	1.99676	-0.91182