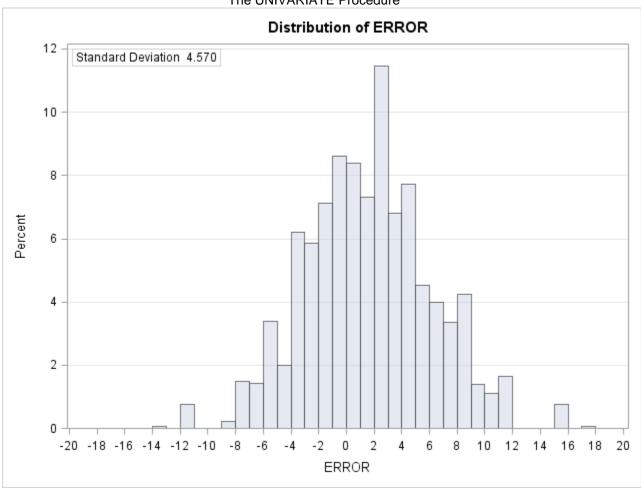
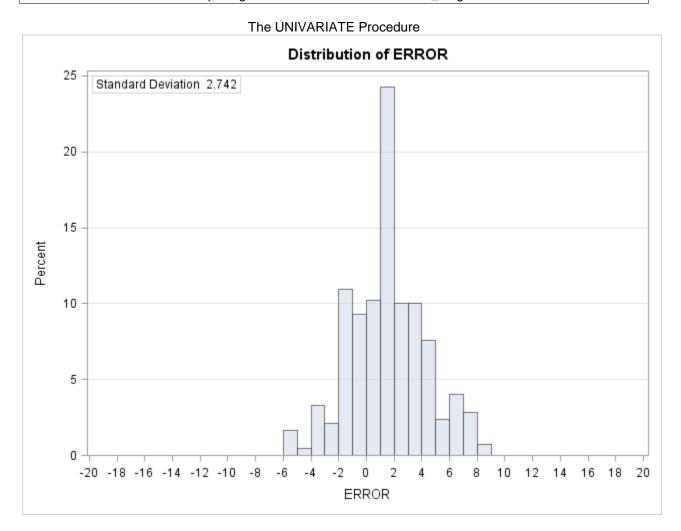


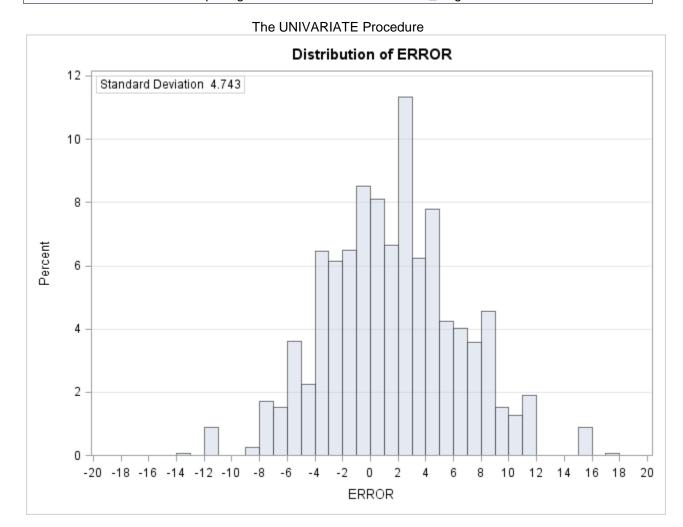
Distribution of error of every polling measurement in the data





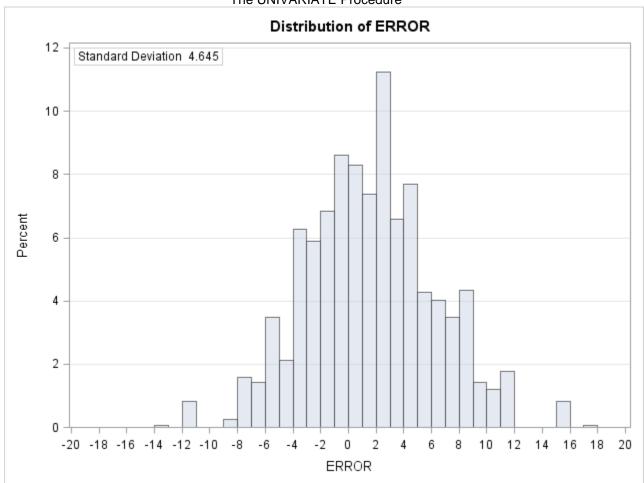
Distribution of error of polling measurements whose forecast_length is less than a week

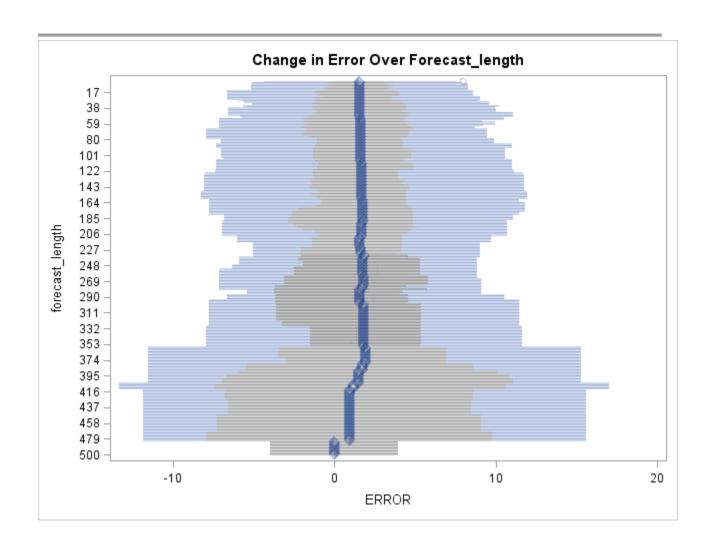


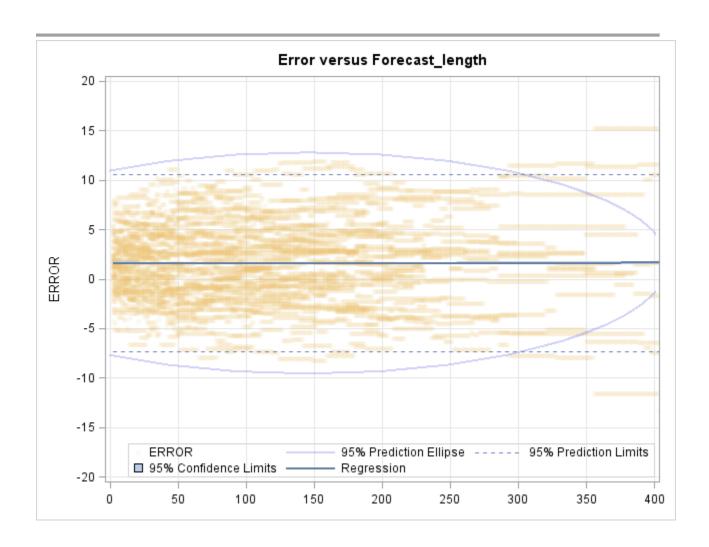


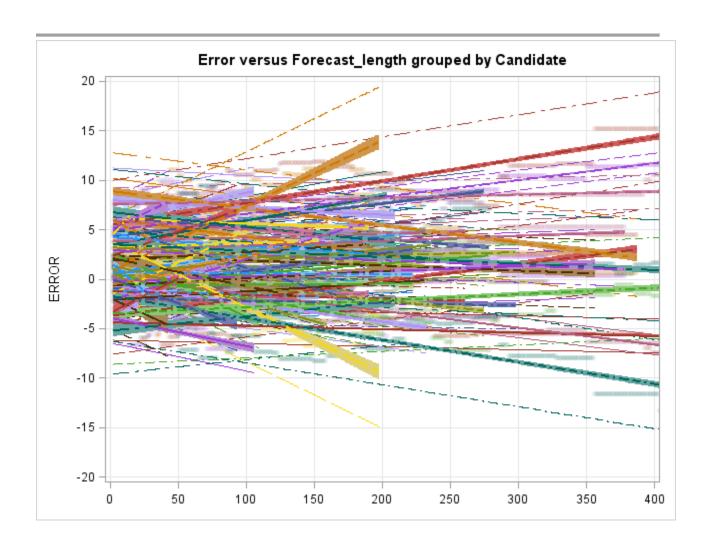
Distribution of error of polling measurements whose forecast_length is more than two weeks yet less than a month

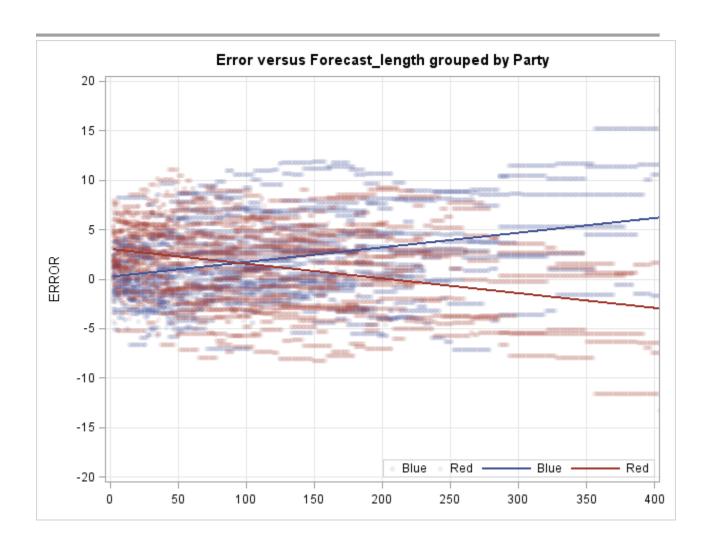


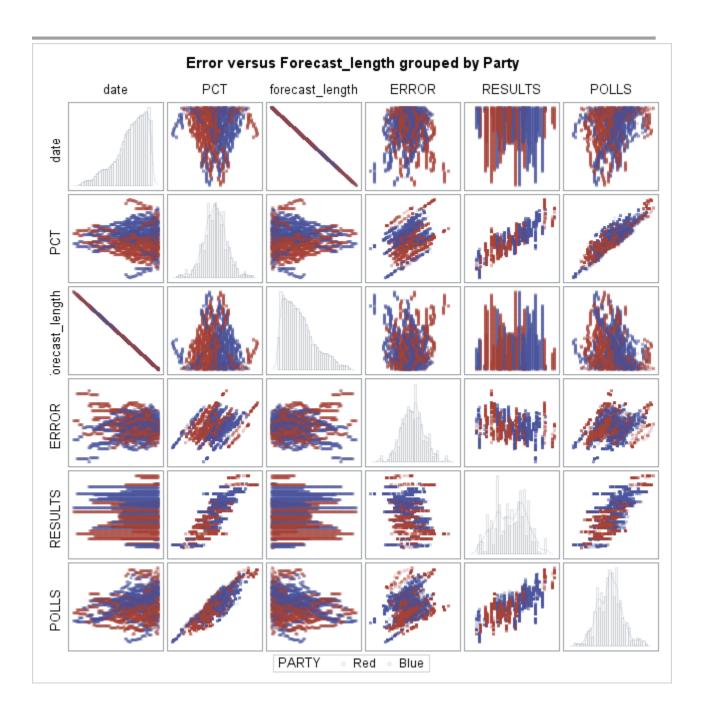












The ANOVA Procedure

Class Level Information

Class Levels Values

Candidate

69 Angle_R Ayotte_R Barnes_D Barrett_ Beebe_D Bennet_D Bernero_
Blunt_R Boozman_ Boxer_D Brady_R Branstad Brewer_R Brown_D
Buck_R Burr_R Carnahan Conway_D Corbett_ Culver_D Cuomo_D
Deal_R Denish_D Feingold Fiorina_ Fisher_D Foley_R Glassman
Goddard_ Granato_ Haley_R Hodes_D Isakson_ Johnson_ Keet_R Lee_R
Lincoln_ Lynch_D Malloy_D Manchin_ Marshall Martinez McCain_R
Melancon Mikulski Murray_D Onorato_ Paladino Paul_R Perry_R
Portman_ Quinn_D Raese_R Reid_D Rossi_R Sandoval Schumer_
Sestak_D Sheheen_ Snyder_R Stephen_ Thurmond Toomey_R Townsend
Vitter_R Walker_R Wargotz_ White_D Whitman_

Number of Observations Read 15158 **Number of Observations Used** 15158

The ANOVA Procedure

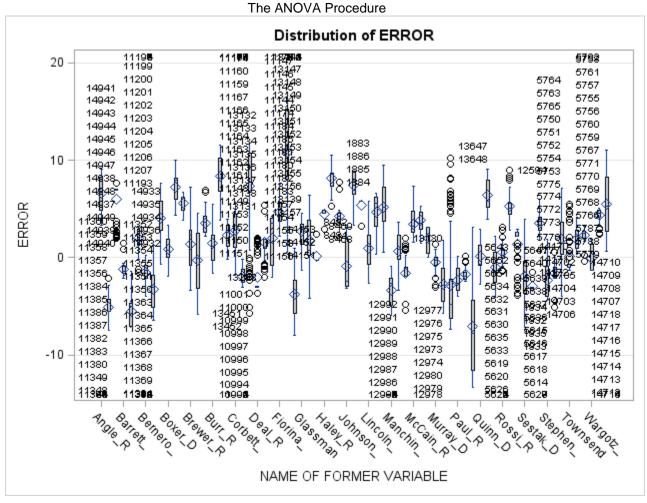
Dependent Variable: ERROR

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	68	249115.2923	3663.4602	818.92	<.0001
Error	15089	67501.1174	4.4735		
Corrected Total	15157	316616.4097			

R-Square	Coeff Var	Root MSE	ERROR Mean
0.786805	131.0513	2.115072	1.613927

Source	DF	Anova SS	Mean Square	F Value	Pr > F
Candidate	68	249115.2923	3663.4602	818.92	<.0001





The ANOVA Procedure Student-Newman-Keuls Test for ERROR

Note: This test controls the Type I experimentwise error rate under the complete null hypothesis but not under partial null hypotheses.

Alpha	0.05
Error Degrees of Freedom	15089
Error Mean Square	4.473532
Harmonic Mean of Cell Sizes	97.99829

Note: Cell sizes are not equal.

ľ	1 2	2 3	2	4	5	6	7 8	8 9	1	1	1	1	1	1	1	1	1	12	2 2	2	2	2	2	2	2	2	2	3 :	3 3	3	3	3	3	3	3:	3 4	4 4	4 4	1 4	4	4	4	4	4 4	15	5	5	5	5	5 :	5	5	5	6 (6 6	6
ι									0	1	2	3	4	5	6	7	8	9 (]]	12	3	4	5	6	7	8	9		1 2	3	4	5	6	7	8	9 (0 1	1 2	3	4	5	6	7 8	8 9	0	1	2	3	4	5 (67	8	9	0 :	1 2	3
I																																																								ϵ
ł	-																																																							4
•	-																																																							
Ì	1																																																							6
																																																								5
(
f																																																								6
I	•																																																							·
•																																																								6
8	3																																																							7
ı	[
S	3																																																							ϵ
																																																								8
																																																								6
																																																								9
(((((C	C	C	(((((C	1	1	1	1	1	1	1 :	1]	1 1	1	1	1	1	1	1	1	1	1 :	1 1	1	1	1	1	1	1	1 :	1 1	1	1	1	1	1	1 1	1	1	1	1	1	1 1	1 1	. 1	1	1	1 1	. 1
Ì	1.		•						•	•	•	•	•	•		•					•		•	•	•	•	•	•		•	•	•	•	•	•				•	•	•	•										•	•	• •		•
					_	_		-	-	-	-	_	_	_	_	_	-	_	-	-		_																														2			2 2	2
																																																							3 3	
																																																				17				8
_				_	_		-	_	_	_	_			_	_		_			_	_					_	_	_		_	_	_	_	_	_	-		-		_		_	_		_	_	_		_		_		_	-	13	-
8	(• •	1 (3	I	Ć ĺ	12	2 4	15	5		2	5	2	1	ť	1	٦,	/ (. 3	9	2	5	C	Ĺ	1	2	1	43	: 6	: 4	6	5	C	2	1	1 (j (. 6	3	2	1	14	4 4	1	4	6	1	L	t (t l	. 1	C	ሪ :	5 8	1

ľ		3	4	5	6	7 8	8 9																23 9(
r t								•			, ¬	•	•	,	u ,	•			. ¬	• '	u <i>1</i>	Ū	<i>,</i> (_	. 7	•		, ·		_	. 7		, 0		υ.	. 4	•	7,		,	U	, (3 4	<i>6</i>
e																																												ϵ
C																																												5
f																																												ϵ
l e																																												6
r																																												1
S																																												8
																																												6
1	7	3	1	2	4	a .	<i>.</i> ~	۱ ،	ſ	2 4	. 1	2	5	1	ر 1 د	2	2 (ra	1 1	1 (· ·	7	c	 5	c 7	. 1	CZ	 5 ′	,	7	1 4	 c .	<i>.</i> 2	. 1	<i>6</i> (C 1	6	7	5 0	. (2.6	: r	1 (· 1
	2																						8 9 4 8																					
I a																																												2
r g																																												0
e																																												0 7 2 3 3
																																												3
																																												1
																																												2 4
																																												8
																																												2 8 3 8
																																												2428389
																																												1 . 2

- 1	ľ		2 3	3 4	5	6	7	8	9	1 :	1 1 1 1	1 1	1 1	1 1 1 4	1 1	1 1 6 7	1 :	11	1 2	2 2	2	2	2	2	2	2	2	2	3	3	3:	3:	3 3	3 3	3 3	3 3	13	4	4	4	4	4 · 4 ·	4 4 5 <i>6</i>	4	4	4 q	5 :	5 <i>!</i>	5 5	5	5	5 6	5 :	5 5 8 9	6	6	6	6
П	r									•		- `		•	•		,					•	7		•	•		•	•	_	- •					,				_	•	7,		,	·	•			- `	1	•		,	. ,	•	•		6
	e																																																									ϵ
н	(5
	f																																																									E
	I e	1																																																							,	6
ı	I																																																									ί
																																																										8
																																																										9
																																																										4
																																																										9 1
																																																										9
																																																										1
																																																										2
																																																										9
																																																										4
																																																									•	5 1
																																																										2
																																																									,	2 4 8 9 7
																																																										8

```
012345678901234567890123456789012345678901234567890123
r
ł
e
r
C
f
e
8
r
S
```

Means with t signifi	the same cantly dif		
SNK Grouping	Mean	N	Candidate
A	10.8048	480	Fisher_D
В	8.3649	404	Carnahan
В			
В	8.2132	411	Hodes_D
С	7.3965	104	Keet_R
C			

SNK Gro	oupi	ng	Mean	N	Candidate
	C		7.3427	196	Cuomo_D
	C				
	C		7.2023	208	Brady_R
	D		6.5934	273	Angle_R
	D				
	D		6.4286	41	Raese_R
	D				
Е	D		5.9807	202	Barnes_D
Е					
Е			5.6311	189	Branstad
Е					
Е			5.5171	386	Whitman_
Е					
Е	F		5.4376	13	Lee_R
Е	F				
Е	F	G	5.2544	148	Sandoval
Е	F	G			
Е	F	G	5.2140	208	Malloy_D
	F	G			
Н	F	G	4.6877	277	Fiorina_
Н	F	G			
Н	F	G	4.6436	92	Lynch_D
Н		G			
Н		G	4.4431	19	Haley_R
Н					
Н	I		4.3192	259	White_D
Н	I				

	318	111111	antiy an		16.
SNK Gro	upi	ing	Mean	N	Candidate
Н	I		4.2913	49	Isakson_
Н	I				
Н	I	J	4.0830	221	Boozman_
Н	I	J			
Н	I	J	3.7976	377	Melancon
	I	J			
K	I	J	3.5071	152	Snyder_R
K	I	J			
K	I	J	3.4889	234	Buck_R
K		J			
K		J	3.3935	187	McCain_R
K					
K	L		2.7783	231	Corbett_
K	L				
K	L		2.7065	187	Glassman
	L				
M	L		2.2930	297	Conway_D
M	L				
M	L		2.2591	230	Walker_R
M	L				
M	L		2.0117	28	Mikulski
M	L				
M	L		2.0111	234	Bennet_D
M	L				
	L		2.0101	108	Feingold
M	L				
M	L	N	1.9024	377	Vitter_R

SN	K (Gro	upi	ng	Mean	N	Candidate
	M		L	N			
	M		L	N	1.8795	499	Toomey_R
	M			N			
	M		О	N	1.7490	186	Goddard_
	M		Ο	N			
	M		Ο	N	1.6157	158	Denish_D
	M		Ο	N			
	M	P	Ο	N	1.4501	355	Burr_R
	M	P	Ο	N			
	M	P	Ο	N	1.4162	136	Schumer_
	M	P	Ο	N			
	M	P	Ο	N	1.3510	186	Brewer_R
		P	Ο	N			
	Q	P	Ο	N	1.0170	221	Lincoln_
	Q	P	О				
	Q	P	О	R	0.9123	277	Boxer_D
	Q	P		R			
	Q	P	S	R	0.6499	355	Marshall
	Q		S	R			
	Q	T	S	R	0.5225	221	Rossi_R
	_		S				
					0.1838	136	Townsend
	Q						
	Q				0.1624	13	Granato_
U			S				
U				R	0.0977	208	Quinn_D
U		Т	S				

SN	K (K Grou		ng	Mean	N	Candidate
U		T	S		-0.1117	28	Wargotz_
U		T					
U		T	V		-0.3171	386	Brown_D
U			V				
U	W		V		-0.5225	221	Murray_D
	W		V				
	W		V	X	-0.9101	108	Johnson_
	W		V	X			
	W	Y	V	X	-0.9930	421	Reid_D
	W	Y		X			
	W	Y	Z	X	-1.1591	230	Barrett_
		Y	Z	X			
	A	Y	Z	X	-1.5071	152	Bernero_
	A	Y	Z	X			
	A	Y	Z	X	-1.5913	49	Thurmond
	A	Y	Z	X			
	A	Y	Z	X	-1.6157	158	Martinez
	A	Y	Z	X			
	A	Y	Z	X	-1.7192	259	Perry_R
	A	Y	Z				
	A	Y	Z		-1.8795	499	Sestak_D
	A		Z				
	A		Z		-1.9311	189	Culver_D
	A		Z				
	A		Z		-1.9807	202	Deal_R
	A						
	A		В		-2.2930	297	Paul_R

SNK Grouping		Mean	N	Candidate
A	В			
A	В	-2.3436	92	Stephen_
	В			
C	В	-2.7783	231	Onorato_
C	В			
C	В	-2.8427	196	Paladino
C	В			
C	B D	-2.9431	19	Sheheen_
C	D			
C	D	-3.2649	404	Blunt_R
C	D			
C	D	-3.3286	41	Manchin_
	D			
	D	-3.7140	208	Foley_R
	E	-5.1132	411	Ayotte_R
	E			
	E	-5.4965	104	Beebe_D
	F	-7.1048	480	Portman_

The ANOVA Procedure

Class Level Information

Class Levels Values

PARTY 2 Blue Red

Number of Observations Read 15158

Number of Observations Used 15158

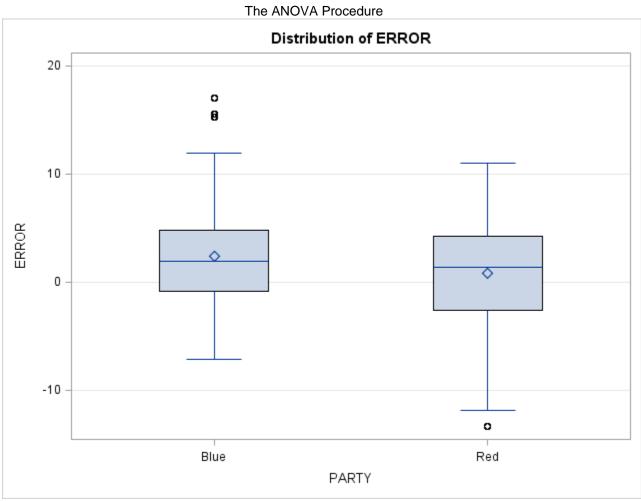
The ANOVA Procedure

Dependent Variable: ERROR

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	1	9234.3480	9234.3480	455.32	<.0001
Error	15156	307382.0618	20.2812		
Corrected Total	15157	316616.4097			

R-Square	Coeff Var	Root MSE	ERROR Mean
0.029166	279.0379	4.503467	1.613927

Source	DF	Anova SS	Mean Square	F Value	Pr > F
PARTY	1	9234.347969	9234.347969	455.32	<.0001



The ANOVA Procedure Student-Newman-Keuls Test for ERROR

Note: This test controls the Type I experimentwise error rate under the complete null hypothesis but not under partial null hypotheses.

Alpha	0.05
Error Degrees of Freedom	15156
Error Mean Square	20.28121

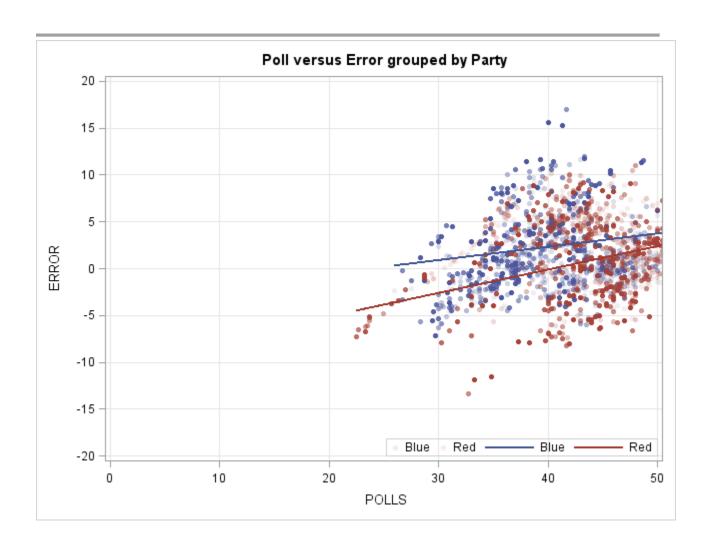
Number of Means 2 Critical Range 0.1433966

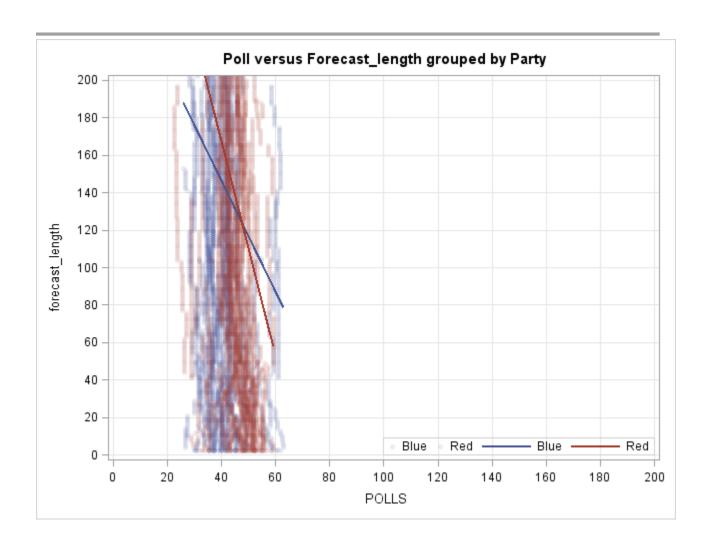
Means with the same letter are not significantly different.

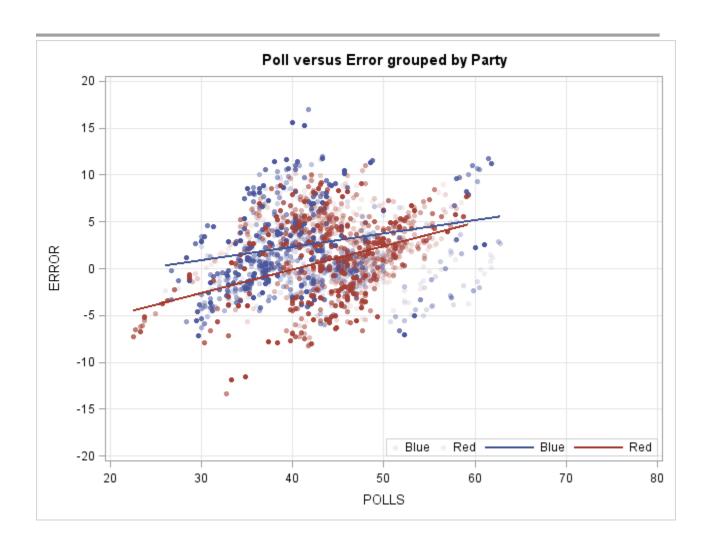
SNK Grouping Mean N PARTY

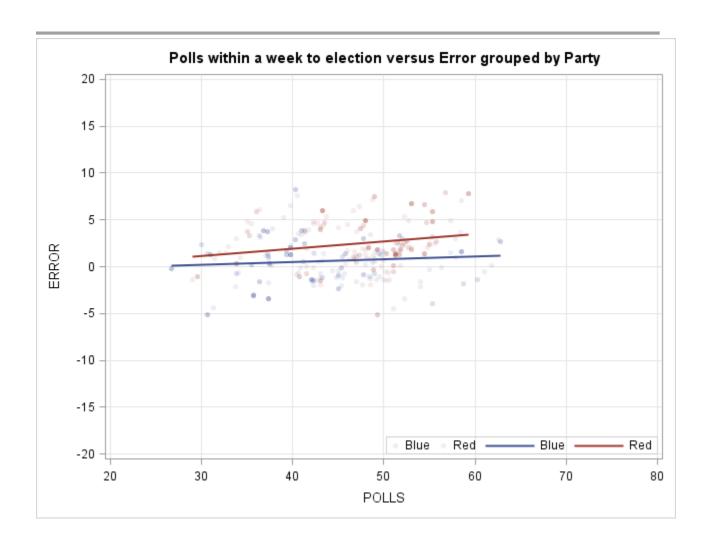
A 2.39444 7579 Blue

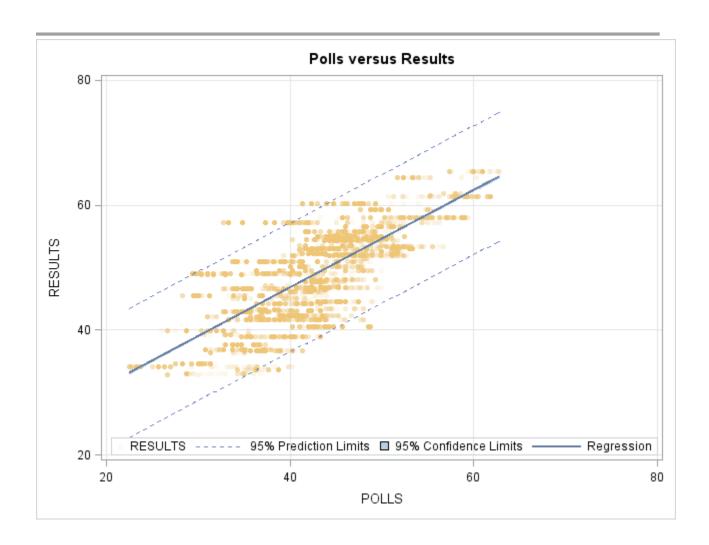
B 0.83341 7579 Red

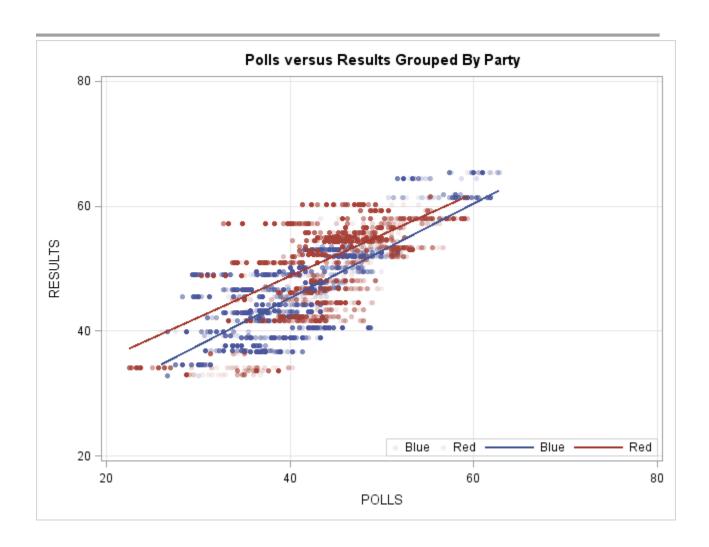












Correlation between Polls and Results

The CORR Procedure

2 Variables: POLLS RESULTS

Simple Statistics							
Variable	N	Mean	Std Dev	Sum	Minimum	Maximum	
POLLS	15158	42.04863	6.78111	637373	22.50000	62.80000	
RESULTS	15158	48.38607	7.46376	733436	32.80000	65.40000	

Pearson Correlation Coefficients, N = 15158 Prob > r under H0: Rho=0					
	POLLS	RESULTS			
POLLS	1.00000	0.70820			
		<.0001			
RESULTS	0.70820	1.00000			
	<.0001				

Correlation between Polls and Results

The REG Procedure Model: MODEL1 Dependent Variable: RESULTS

Number of Observations Read 15158 **Number of Observations Used** 15158

Analysis of Variance							
Source	DF		Mean Square	F Value	Pr > F		
Model	1	423486	423486	15250.0	<.0001		
Error	15156	420875	27.76953				
Corrected Total	15157	844361					

Root MSE	5.26968	R-Square	0.5015
Dependent Mean	48.38607	Adj R-Sq	0.5015
Coeff Var	10.89090		

Parameter Estimates						
Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > t	
Intercept	1	15.60947	0.26885	58.06	<.0001	
POLLS	1	0.77949	0.00631	123.49	<.0001	

