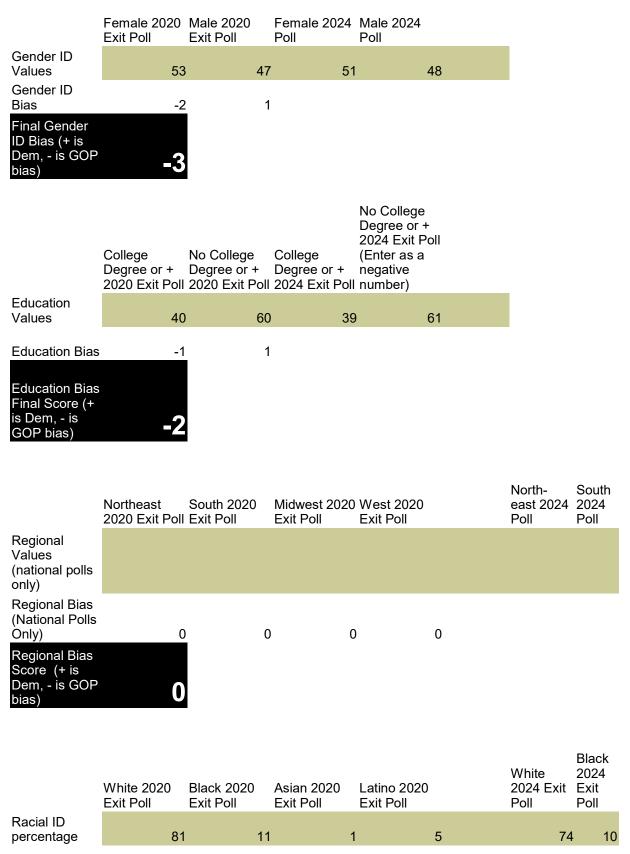
Muhlenberg Coll, PA, 9/16-9/19

Poll bias score 65 to Dems, not severe but defin excessive bias, will adjust each biased category average all categories with the original topline

POLL BIAS CACLULATOR							
	Party ID	Gender	Education	Region		Racial Demo	Age Demo
Bias				liegion		201110	20110
Multiplier							
(Level of Bias							
Significan							
ce)	10) 6	6		3	5	5 5
Bias by	04		40		•	4.5	
Cateogry	20) -18	-12		0	45	5 30
OVERALL							
2024 POLL BIAS (+ is				DEFINITE			
Dem, - is			MILD BIAS	BIAS, EXCESSIVE		SEVERE BIAS	
GOP bias)	65	SCALE>>>	(0-50)	(50-100)		(100+)	

Understanding the Overall Poll Bias Score – A perfect bias score as compared to the 2020 exit polls equals a 0 value. A positive score equals a Democratic bias. A negative score equals a Republican bias. The higher the value of the number, the worse the bias. I will adjust polls with this score in mind. Usually the adjustment is straightforward in that I can apply the proper party ID, gender ID, education ID to the party votes provided in the cross tabs. Sometimes pollsters hide the party ID, gender ID or education ID, but I have methods of inferring those. The calculators for inferring these party ID values can be found below. Regional bias usually can't be inferred, although if they provide how each region votes they can.

	Dem 2020 Exit Poll	GOP 2020 Exit Poll		Dem 2024 Poll		GOP 2024 Poll (Enter a negative number)	as	Ind	
Party ID Values	4	0	41		45	5	44		9
Party ID Difference		5	3						
Party ID Bias Score (+ is Dem, - is GOP bias)		2							



Racial Polling Sample Bias	-7	-1	2	1	
Racial Bias Score (+ is GOP, - is Dem bias)	9				

	18-29 Exit Poll	30-44 Exit Poll	45-64 Exit Poll	65+ Exit Po	bll	18-29 2024 Pc	30-4 2024 oll Poll	
Age ID		0	0	0	0	0	0	0
Age Bias		0	0	0	0			
Age Bias Score		0						

	18-35 Exit Poll	36-44 Exit Poll	45+ Exit Po	oll n/a		18-35 2024	36-4 2024	
Age ID		0	0	0	0		0	0
Age Bias		0	0	0	0			
Age Bias Score		0						

	18-35 Exit Poll	36-44 Exit Poll	45+ Exit	Poll n/a		18-35 2024	36-4 202	
Age ID		0	0	0	0		0	0
Age Bias		0	0	0	0			
Age Bias Score		0						

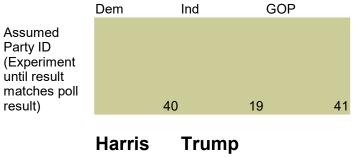
	18-45 Exit Poll	45-64 Exit Poll	65+ Exit Pc	oll n/a		18-45	45-64
Age ID		0	0	0	0	0	0 0
Age Bias		0	0	0	0		
Age Bias Score		0					
	10.04 Evit	25 40 Evit				10.24	35-49
	18-34 Exit Poll	35-49 Exit Poll	50-64 Exit Poll	65+ Exit Po	oll	18-34 2024 pc	2024 oll poll
Age ID		0	0	0	0	0	0 0
Age Bias		0	0	0	0		
Age Bias Score		0					

	18-29 Exit Poll	30-39 Exit Poll	40-49 Exit Poll	50-64 Exit Poll	65+ Exit Poll	18-29 E Poll	30-39 Exit Exit Poll
Age ID		0	0	0	0	0	0 0
Age Bias		0	0	0	0	0	
Age Bias Score		0					
	18-29	30-49	50-65	65+ Exit Po	bll	18-29	30-49
Age ID		13	31	28	28	0	16 28
Age Bias Age Bias Score		3 6	-3	0	0		

PARTY ID CALULATOR

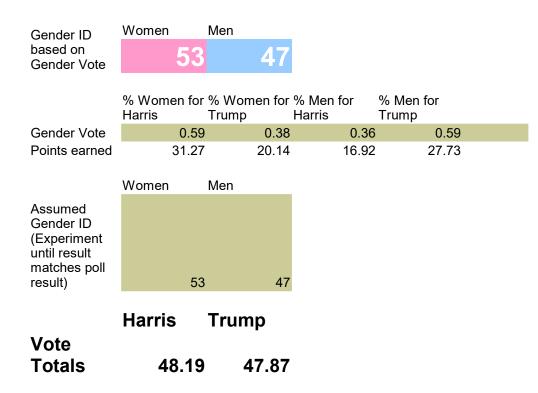
Inferred (Most	Dem	Ind	GOP
Likely) Party			
ID Assumed	32	31	37
by Pollster	52		51

	% Dem for Harris	% Dem for Trump	% Ind for Harris		% Ind for Trump		% GOP % GOP for for Trump Harris
Party Vote:	0.93	0.04	ļ	0.45	;	0.4	0.95 0.04
Points earned	37.2	1.6	6	8.55	j	7.6	38.95 1.64

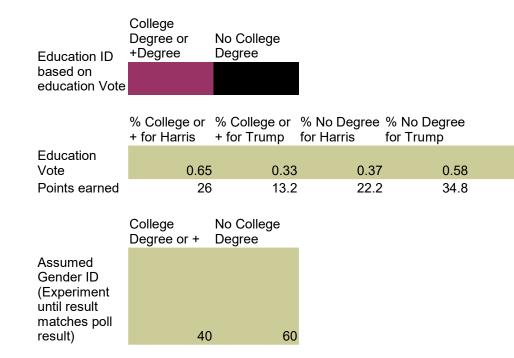


Vote		
Totals	47.39	48.15

GENDER ID CALCULATOR



EDUCATION ID CALCULATOR



	Harris	Trump
Vote		
Totals	48.	.2 48

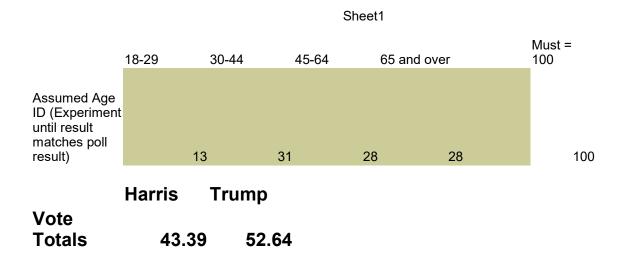
RACIAL DEMOS CALCULATOR

Racial ID based on Racial Vote	White	Black	Latino	Asian	1		
							%
Racial Vote	% White for Harris	% White for Trump	% Black for Harris	% Black fo Trump			Latino for Trump
	0.42				0.27	0.66	
Points earned	34.02	2 43.74	4 7.20	6 2	2.97	3.3	1.35
Assumed Racial ID	White	Black	Latino	Asian			
	8			5	1		
	Harris	Trump					
Vote		-					
	45.24	48.33	3				
Totals			-				
	45.24 53		-				
Totals	53	3 43	3	20/20-	AA/A5-0	SA/65.	
	53 • CALC	3 43 ULAT(3 DR, 18-			64/65·	+
Totals	53 0 CALC 18-29	3 43 ULATC 30-44	DR, 18- 45-64	65 and ove	er	64/65 [.]	+
Totals	53 • CALC	3 43 ULATC 30-44	DR, 18- 45-64	65 and ove		64/65·	+
Totals	53 0 CALC 18-29	3 43 ULATC 30-44	DR, 18- 45-64	65 and ove	er	64/65·	+
Totals	53 CALC 18-29 14 % 18-29 for	3 43 CULATC 30-44 21 % 18-29 for	DR, 18- 45-64 39 % 30-44 for	65 and ove 2 % 30-44 fo	er 26	% 45-64	% 45- 64 for
Totals Age ID	53 0 CALC 18-29 14 % 18-29 for Harris	3 43 30-44 21 % 18-29 for Trump	DR, 18- 45-64 39 % 30-44 for Harris	65 and ove 2 % 30-44 fo Trump	er 2 6 or	% 45-64 for Harris	% 45- 64 for Trump
Totals AGE ID Age Vote	53 0 CALC 18-29 12 % 18-29 for Harris 0.3	3 43 ULAT(30-44 21 % 18-29 for Trump 6 0.56	5 5 7 7 7 7 7 7 7 7 7 7	65 and ove 2 % 30-44 fo Trump 3 0	er 26 or 0.37	% 45-64 for Harris 0.43	% 45- 64 for Trump 5 0.52
Totals Age ID	53 0 CALC 18-29 14 % 18-29 for Harris	3 43 ULAT(30-44 21 % 18-29 for Trump 6 0.56	5 5 7 7 7 7 7 7 7 7 7 7	65 and ove 2 % 30-44 fo Trump 3 0	er 2 6 or	% 45-64 for Harris 0.43	% 45- 64 for Trump

			S	Sheet1			
Assumed Age ID (Experimen until result matches poll result)		14	21	39	26	100)
	Harris	Trump					
Vote Totals		0	0				
AGE ID) CAL	CULAT	OR –	18-34	/35-49/50)-64/6	5+
	18-29	30-44	45-64	65 an	d over	-	
Age ID	1	7 2	.1	33	28		
	% 18-34 for Harris	% 18-34 fo Trump	r % 35-49 Harris	for % 35- Trum	49 for	% 50-64 for Harris	% 50- 64 for Trump
Age Vote	0.5	•	0.4	0.48	0.48	0.5	
Points earned	9.8	86	6.8 1	10.08	10.08	16.5	5 15.51
	18-29	30-44	45-64	65 an	d over	Must = 100	
Assumed Age ID (Experimen until result matches poll	t						
result)		17	21	33	28	99	9
Vote Totals	Harris	Trump 51 45	.27				
AGE ID) CAL	CULAT	OR –	18-2 <u>9</u>	/30-49/50)-64/6	5+
	18-29	30-44	45-64		d over		

	18-29	30-44	45-64	65 a	and over	
Age ID		13	31	28	28	

	% 18-29 for Harris	% 18-29 for Trump	% 30-49 for Harris	% 30-49 for Trump		% 50- 64 for Trump
Age Vote	0.35	5 0.6′	1 0.44	0.53	0.37	0.59
Points earned	4.55	5 7.93	3 13.64	16.43	10.36	16.52



FINAL ADJUSTED VOTE – AVERAGE OF ALL BOLD FACED TOTALS CALCULATORS ABOVE HARRIS TRUMP 46.7 48.8 <<<<<<<<<> Pasmusson WI 9/19-9/22

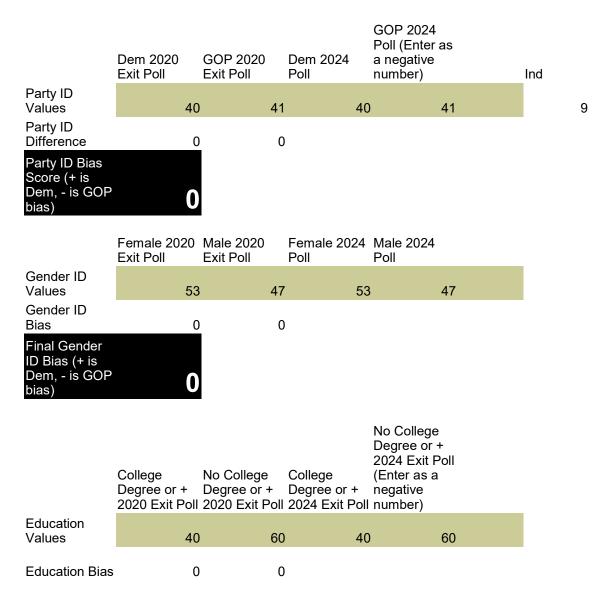
Rasmussen, WI, 9/19-9/22 Adjusted Poll Bias Score 0, no bias

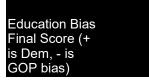
ADJUSTING POLL BIAS CACLULATOR

Bias Multiplier (Level of Bias Significan	Party ID	Gender	Education	Region		Racial Demo	Ag De	e mo
ce) Bias by		10	6	6	3		5	5
Cateogry		0	0	0	0		0	0

Shoot1

Understanding the Overall Poll Bias Score – A perfect bias score as compared to the 2020 exit polls equals a 0 value. A positive score equals a Democratic bias. A negative score equals a Republican bias. The higher the value of the number, the worse the bias. I will adjust polls with this score in mind. Usually the adjustment is straightforward in that I can apply the proper party ID, gender ID, education ID to the party votes provided in the cross tabs. Sometimes pollsters hide the party ID, gender ID or education ID, but I have methods of inferring those. The calculators for inferring these party ID values can be found below. Regional bias usually can't be inferred, although if they provide how each region votes they can.





0

	Northeast 2020 Exit Poll	South 2020 Exit Poll	Midwest 202 Exit Poll	20 West 2020 Exit Poll		North- east 2024 Poll	South 2024 Poll
Regional Values (national polls only)							
Regional Bias (National Polls Only)	C	<u>.</u>	0	0	0		
Regional Bias Score (+ is Dem, - is GOP bias)	0						

	White 2020 Exit Poll	Black 2020 Exit Poll	Asian 2020 Exit Poll	Latino 2020 Exit Poll)	White 2024 Exit Poll	Black 2024 Exit Poll
Racial ID percentage	8	1 1	1	1	5	8	1 11
Racial Polling Sample Bias		D	0	0	0		
Racial Bias Score (+ is GOP, - is Dem bias)	C						

	18-29 Exit Poll	30-44 Exit Poll	45-64 Exit Poll	65+ Exit I	Poll	18-29 2024 Pe	30-44 2024 oll Poll
Age ID		0	0	0	0	0	0 0
Age Bias		0	0	0	0		
Age Bias Score		D					
	18-35 Exit	36-44 Exit				18-35	36-44

	Poll	Poll	45+ Exit Po	oll n/a		2024	2024	
Age ID		0	0	0	0		0	0
Age Bias		0	0	0	0			

Age Bias Score

Age Bias Score 0

0

	18-35 Exit Poll	36-44 Exit Poll	45+ Exit Po	oll n/a		18-35 2024	36-4 2024	
Age ID		0	0	0	0		0	0
Age Bias		0	0	0	0			
Age Bias Score		0						

	18-45 Exit Poll	45-64 Exit Poll	65+ Exit Po	oll n/a		18-45	45-64
Age ID		0	0	0	0	0	0 0
Age Bias		0	0	0	0		
Age Bias Score		0					
	18-34 Exit Poll	35-49 Exit Poll	50-64 Exit Poll	65+ Exit Po	oll	18-34 2024 po	35-49 2024 II poll
Age ID		0	0	0	0	0	0 0
Age Bias		0	0	0	0		

							30-39	9
	18-29 Exit	30-39 Exit	40-49 Exit	50-64 Exit	65+ Exit	18-29 E	Exit Exit	
	Poll	Poll	Poll	Poll	Poll	Poll	Poll	
Age ID		0	0	0	0	0	0	0
Age Bias		0	0	0	0	0		
Age Bias Score		0						

	18-29	30-49	50-65	65+ Exit	Poll	18-29	30-49
Age ID		13	31	28	28	0	13 31
Age Bias		0	0	0	0		
Age Bias Score		0					
	Party ID	Gender	Educati	on Region		Racial Demo	Age Demo

			Sheet	:1			
Bias Multiplier (Level of Bias Significan							
ce)	10	6	6	3		5	5
Bias by							
Cateogry	20	-18	-12	0	1	45	40
OVERALL 2024 POLL BIAS (+ is Dem, - is GOP bias)	75	SCALE>>>	MILD BIAS (0-50)	DEFINITE BIAS, EXCESSIVE (50-100)		SEVERE BIAS (100+)	

Understanding the Overall Poll Bias Score – A perfect bias score as compared to the 2020 exit polls equals a 0 value. A positive score equals a Democratic bias. A negative score equals a Republican bias. The higher the value of the number, the worse the bias. I will adjust polls with this score in mind. Usually the adjustment is straightforward in that I can apply the proper party ID, gender ID, education ID to the party votes provided in the cross tabs. Sometimes pollsters hide the party ID, gender ID or education ID, but I have methods of inferring those. The calculators for inferring these party ID values can be found below. Regional bias usually can't be inferred, although if they provide how each region votes they can.

	Dem 2020 Exit Poll	GOP 2020 Exit Poll	Dem 2024 Poll	GOP 20 Poll (Ent a negati number)	er as ve	Ind
Party ID Values	4	0	41	45	44	9
Party ID Difference		5	3			
Party ID Bias Score (+ is Dem, - is GOP bias)		2				
	Female 2020 Exit Poll) Male 2020 Exit Poll	Female 2 Poll	024 Male 20 Poll	24	
Gender ID Values	5	3	47	51	48	
Gender ID Bias Final Gender ID Bias (+ is Dem, - is GOP		2	1			

	College Degree or + 2020 Exit Pol	No College Degree or + 2020 Exit Pol	College Degree or + I 2024 Exit Po	No College Degree or + 2024 Exit P (Enter as a negative Il number)			
Education Values	4(,	61		
Education Bias Education Bias Final Score (+ is Dem, - is GOP bias)		South 2020	1 Midwest 202 Exit Poll	0 West 2020 Exit Poll		North- east 2024 Poll	South 2024 Poll
Regional Values (national polls only)							
Regional Bias (National Polls Only) Regional Bias Score (+ is Dem, - is GOP bias)	() ()	0	0		

	White 2020 Exit Poll	Black 2020 Exit Poll	Asian 2020 Exit Poll	Latino 2020 Exit Poll	0	White 2024 Exit Poll	Blac 2024 Exit Poll	4
Racial ID percentage	8	1	11	1	5	7	' 4	10
Racial Polling Sample Bias		7	-1	2	1			
Racial Bias Score (+ is GOP, - is Dem bias)	Ç							

	18-29 Exit Poll	30-44 Exit Poll	45-64 Exi Poll	=	- Exit Poll	18-29 2024 Poll	30-44 2024 Poll
Age ID		14	21	39	26	12	2 17
Age Bias		-2	-4	-4	6		

Age Bias Score 8

	18-35 Exit Poll	36-44 Exit Poll	45+ Exit Po	oll n/a		18-35 2024	36-4 2024	
Age ID		0	0	0	0		0	0
Age Bias		0	0	0	0			
Age Bias Score		0						

	18-35 Exit Poll	36-44 Exit Poll	45+ Exit F	^o oll n/a		18-35 2024	36-4 2024	
Age ID		0	0	0	0		0	0
Age Bias		0	0	0	0			
Age Bias Score		0						

	18-45 Exit Poll	45-64 Exit Poll	65+ Exit Po	oll n/a		18-45	45-64
Age ID		0	0	0	0	0	0 0
Age Bias		0	0	0	0		
Age Bias Score		0					
	18-34 Exit	35-49 Exit	50-64 Exit			18-34	35-49 2024
	Poll	Poll	Poll	65+ Exit Po	oll	2024 pc	
Age ID		0	0	0	0	0	0 0
Age Bias		0	0	0	0		
Age Bias Score		0					

	18-29 Exit Poll	30-39 Exit Poll	40-49 Exit Poll	50-64 Exit Poll	65+ Exit Poll	18-29 Ex Poll	30-39 xit Exit Poll	Э
Age ID		0	0	0	0	0	0	0
Age Bias		0	0	0	0	0		
Age Bias Score		D						

	18-29	30-49	50-65	65+ I	Exit Poll	18-29	30)-49
Age ID		13	31	28	28	0	16	28
Age Bias		3	-3	0	0			

Score		0					_
Bias Multiplier (Level of Bias Significan	Party ID	Gender	Education	Region		Racial Demo	Age Demo
ce)	1	ο ε	6		3	5	55
Bias by							
Cateogry	2	018	-12		0	45	5 40
OVERALL 2024 POLL BIAS (+ is Dem, - is GOP bias)		SCALE>>>	MILD BIAS (0-50)	DEFINITE BIAS, EXCESSIVE (50-100)		SEVERE BIAS (100+)	

Age Bias

Understanding the Overall Poll Bias Score – A perfect bias score as compared to the 2020 exit polls equals a 0 value. A positive score equals a Democratic bias. A negative score equals a Republican bias. The higher the value of the number, the worse the bias. I will adjust polls with this score in mind. Usually the adjustment is straightforward in that I can apply the proper party ID, gender ID, education ID to the party votes provided in the cross tabs. Sometimes pollsters hide the party ID, gender ID or education ID, but I have methods of inferring those. The calculators for inferring these party ID values can be found below. Regional bias usually can't be inferred, although if they provide how each region votes they can.

	Dem 2020 Exit Poll	GOP 2020 Exit Poll	Dem 2024 Poll	GOP 2024 Poll (Ente a negative number)	r as	Ind
Party ID Values	40)	41	45	44	9
Party ID Difference	Ę	5	3			
Party ID Bias Score (+ is Dem, - is GOP bias)	2					
	Female 2020 Exit Poll	Male 2020 Exit Poll	Female 20 Poll	24 Male 2024 Poll	1	
Gender ID Values	53	3	47	51	48	
Gender ID Bias	-2	2	1			

Final Gender ID Bias (+ is Dem, - is GOP bias)	-3						
		No College Degree or + 2020 Exit Poll			+ Poll	_	
Education Values	40	60	39)	61		
Education Bias Education Bias Final Score (+ is Dem, - is GOP bias)		1					
	Northeast	South 2020	Midwest 2020)	North- east 2024	South 2024

	Northeast 2020 Exit Pol	South 2020 Exit Poll	Midwest 202 Exit Poll	20 West 2020 Exit Poll		east 2024 Poll	2024 Poll
Regional Values (national polls only)							
Regional Bias (National Polls Only)	()	0	0	0		
Regional Bias Score (+ is Dem, - is GOP bias)	0						

	White 2020 Exit Poll	Black 2020 Exit Poll	Asian 2020 Exit Poll	Latino 2020 Exit Poll		White 2024 Exit Poll	Black 2024 Exit Poll
Racial ID percentage	8	1 1 [.]	1	1	5	7	4 10
Racial Polling Sample Bias				2	1		- 10
Racial Bias Score (+ is GOP, - is Dem bias)			ı	2	I		

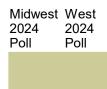
	18-29 Exit Poll	30-44 Exit Poll	45-6 Poll	64 Exit	65+ Exit P	oll	18-29 2024 Poll	30-44 2024 Poll
Age ID		14	21	39)	26	12	2 17
Age Bias		-2	-4	-4	ļ	6		
Age Bias Score		8						

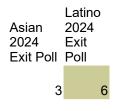
	18-35 Exit Poll	36-44 Exit Poll	45+ Exit Po	oll n/a		18-35 2024	36-4 2024	
Age ID		0	0	0	0		0	0
Age Bias		0	0	0	0			
Age Bias Score		0						

	18-35 Exit Poll	36-44 Exit Poll	45+ Exit Po	oll n/a		18-35 2024	36-4 202	
Age ID		0	0	0	0		0	0
Age Bias		0	0	0	0			
Age Bias Score		0						

	18-45 Exit Poll	45-64 Exit Poll	65+ Exit Pc	oll n/a		18-45	45-64
Age ID		0	0	0	0	0	0 0
Age Bias		0	0	0	0		
Age Bias Score		0					
	18-34 Exit Poll	35-49 Exit Poll	50-64 Exit Poll	65+ Exit Po	bll	18-34 2024 pc	35-49 2024 oll poll
Age ID		0	0	0	0	0	0 0
Age Bias		0	0	0	0		
Age Bias Score		0					







45-64 2024 Poll	65+ Poll	
	0	0
45+ 2024	n/a	
	0	0
45+ 2024	n/a	
	0	0
(65 n/a	
	0	0
50-64 2024 poll	65+ 2024 poll	
	0	0

40-49 Exit Poll	50-64 Exit Poll	65+ Exit Poll	
0)	0	0

	65+ Exit	
50-65	Poll	
2	8	29









0/ 0	%
% Asian for	Asian for
Harris	Trump
0.66	0.27
0.66	0.27



% 65+ for	% 65+ for
Harris	Trump
0.55	0.38
14.3	9.88

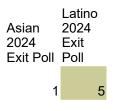
% 65+ for Harris	% 65+ for Trump
0.52	0.46
14.56	12.88



% 65+	% 65+
for	for
Harris	Trump
0.53	0.42
14.84	11.76



Midwest 2024 Poll	West 2024 Poll



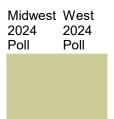
45-64 2024 Poll	65+ Poll	
	0	0

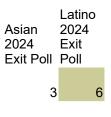
45+		
2024	n/a	
	0	0

45+ 2024	n/a			
	0	0		
	65 n/a			
	0	0		
50-64 2024 poll	65+ 2024 poll	0		
	0	0		

40-49 Exit Poll	50-64 Exit Poll	65+ Exit Poll	
0	1	0	0

50-65	65+ Exit Poll	
	28	28

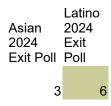




45-64 2024 Poll	65+ Poll	
	35	32

45+ 2024 n/a	
0 0	
45+ 2024 n/a	
0 0	
65 n/a	
0 0	
50-64 65+ 2024 2024 poll poll	
0 0	
50-64 40-49 Exit Exit Poll 65+ Ex	
0 0	0
65+ Exit 50-65 Poll 28 29	

Midwest	West
2024	2024
Poll	Poll



45-64 2024 Poll	65+ Poll	
	35	32

45+ 2024	n/a	
	0	0
45+ 2024	n/a	
	0	0
	65 n/a	
	0	0
50-64 2024 poll	65+ 2024 poll	
	0	0