

Susquehanna, PA, 9/16-9/22

Poll bias score 325 to Dems, severe bias, all bias categories will be corrected and averaged with the topline result

POLL BIAS CALCULATOR

Bias Multiplier (Level of Bias Significance)	Party ID	Gender	Education	Region	Racial Demo	Age Demo	
	10	6	6	3	5	5	
Bias by Category	30	-12	252	0	20	35	
OVERALL 2024 POLL BIAS (+ is Dem, - is GOP bias)	325		MILD BIAS (0-50)		DEFINITE BIAS, EXCESSIVE (50-100)		SEVERE BIAS (100+)

SCALE>>>

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 as a negative number)	Ind
Party ID Values	40	41	45	43	9
Party ID Difference	5	2			
Party ID Bias Score (+ is Dem, - is GOP bias)	3				

Female 2020 Exit Poll	Male 2020 Exit Poll	Female 2024 Poll	Male 2024 Poll
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Sheet1

Gender ID Values	53	47	52	48
Gender ID Bias	-1	1		
Final Gender ID Bias (+ is Dem, - is GOP bias)	-2			

	College Degree or + 2020 Exit Poll	No College Degree or + 2020 Exit Poll	College Degree or + 2024 Exit Poll	No College Degree or + 2024 Exit Poll (Enter as a negative number)
Education Values	40	60	61	39
Education Bias	21	-21		
Education Bias Final Score (+ is Dem, - is GOP bias)	42			

	Northeast 2020 Exit Poll	South 2020 Exit Poll	Midwest 2020 Exit Poll	West 2020 Exit Poll	North-east 2024 Poll	South 2024 Poll
Regional Values (national polls only)						
Regional Bias (National Polls Only)	0	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	81	11	1	5	78	10
Racial Polling Sample Bias	-3	-1	2	0		

Racial Bias
Score (+ is
GOP, - is Dem
bias) **4**

	18-29 Exit Poll	30-44 Exit Poll	45-64 Exit Poll	65+ Exit Poll	18-29 2024 Poll	30-44 2024 Poll
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	36-44 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	36-44 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 Poll	n/a	18-45	45-64
Age ID	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 Poll	18-34 2024 poll	35-49 2024 poll
Age ID	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 Exit Poll	30-39 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 Poll	18-29	30-49
Age ID	0	0	0	0	0	0
Age Bias	0	0	0	0		
Age Bias Score	0					

	18-29 Exit Poll	30-44 Exit Poll	45-54	55-64	65+ Exit Poll	18-29 Exit Poll	30-44 Exit Poll
Age ID	13	23	18	18	28	10	22
Age Bias	-3	-1	-2	3	4		
Age Bias Score	7						

PARTY ID CALCULATOR

Inferred (Most Likely) Party ID Assumed by Pollster	Dem	Ind	GOP
	40	19	41

*Susquehanna provided this party ID ratio on X at <https://x.com/SusquehannaPR/status/1839022895785189579>

	% Dem for Harris	% Dem for Trump	% Ind for Harris	% Ind for Trump	% GOP for Trump	% GOP for Harris
Party Vote:	0.88	0.04	0.43	0.44	0.91	0.03
Points earned	35.2	1.6	8.17	8.36	37.31	1.23

Assumed Party ID (Experiment until result matches poll result)	Dem	Ind	GOP
	40	19	41

Harris Trump

Vote Totals **44.6** **47.27**

GENDER ID CALCULATOR

Gender ID based on Gender Vote

Women	Men
53	47

Gender Vote	% Women for Harris	% Women for Trump	% Men for Harris	% Men for Trump
Points earned	0.55	0.45	0.45	0.55
	29.15	23.85	21.15	25.85

This poll did not pr ratios for men and took the average o in Pennsylvania an this poll. This is be ignoring such a gla transparency.

Assumed Gender ID (Experiment until result matches poll result)

Women	Men
53	47

Vote Totals **50.30** **49.70**

EDUCATION ID CALCULATOR

Education ID based on education Vote

College Degree or +Degree	No College Degree

Education Vote	% College or + for Harris	% College or + for Trump	% No Degree for Harris	% No Degree for Trump
Points earned	0.59	0.33	0.33	0.59
	23.6	13.2	19.8	35.4

College Degree or + No College Degree

Assumed Gender ID (Experiment until result matches poll result)

	40	60
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This poll did not provide ratios for degree holders, so average of the other Pennsylvania and other poll. This is better than such a glaring lack of transparency.

	Harris	Trump
Vote Totals	43.4	48.6

RACIAL DEMOS CALCULATOR

Racial ID based on Racial Vote

	White	Black	Latino	Asian
	81	11	5	5

Racial Vote	% White for Harris	% White for Trump	% Black for Harris	% Black for Trump	% Latino for Harris	% Latino for Trump
	0.42	0.54	0.66	0.27	0.66	0.27
Points earned	34.02	43.74	7.26	2.97	3.3	1.35

Assumed Racial ID

	White	Black	Latino	Asian
	81	11	5	5

	Harris	Trump
Vote Totals	47.88	49.41
	53	43

AGE ID CALCULATOR, 18-29/30-44/45-64/65+

	18-29	30-44	45-64	65 and over
Age ID	14	21	39	26

Age Vote	% 18-29 for Harris	% 18-29 for Trump	% 30-44 for Harris	% 30-44 for Trump	% 45-64 for Harris	% 45-64 for Trump
	0.36	0.56	0.58	0.37	0.43	0.52
Points earned	5.04	7.84	12.18	7.77	16.77	20.28

	18-29	30-44	45-64	65 and over	Must =
Assumed Age ID (Experiment until result matches poll result)					100
	14	21	39	26	100
Harris					
Trump					
Vote Totals	0	0			

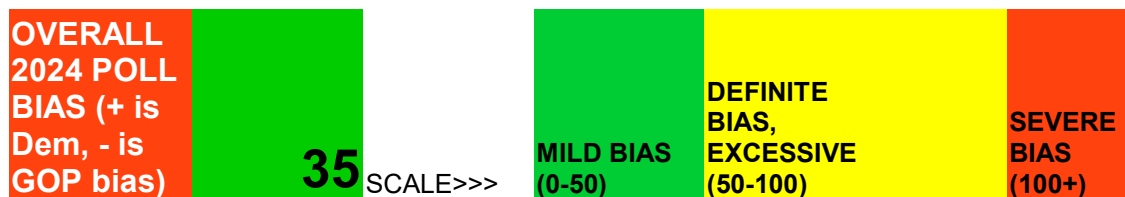
AGE ID CALCULATOR – 18-34/35-49/50-64/65+

	18-29	30-44	45-64	65 and over	
Age ID	17	21	33	28	
Age Vote	% 18-34 for Harris: 0.58	% 18-34 for Trump: 0.4	% 35-49 for Harris: 0.48	% 35-49 for Trump: 0.48	% 50-64 for Harris: 0.5
Points earned	9.86	6.8	10.08	10.08	16.5
					15.51

	18-29	30-44	45-64	65 and over	Must =
Assumed Age ID (Experiment until result matches poll result)					100
	17	21	33	28	99
Harris					
Trump					
Vote Totals	n/a	n/a			

AGE ID CALCULATOR – 18-29/30-49/50-64/65+

	18-29	30-44	45-64	65 and over	
Age ID	13	31	28	28	
Age Vote	% 18-29 for Harris: 0.35	% 18-29 for Trump: 0.61	% 30-49 for Harris: 0.44	% 30-49 for Trump: 0.53	% 50-64 for Harris: 0.37
					0.59



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 as a negative number)	Ind
Party ID Values	40	41	40	41	9
Party ID Difference	0	0			
Party ID Bias Score (+ is Dem, - is GOP bias)	0				

	Female 2020 Exit Poll	Male 2020 Exit Poll	Female 2024 Poll	Male 2024 Poll
Gender ID Values	53	47	53	47
Gender ID Bias	0	0		
Final Gender ID Bias (+ is Dem, - is GOP bias)	0			

	College Degree or + 2020 Exit Poll	No College Degree or + 2020 Exit Poll	College Degree or + 2024 Exit Poll	No College Degree or + 2024 Exit Poll (Enter as a negative number)
Education Values	40	60	40	60
Education Bias	0	0		

Education Bias
Final Score (+
is Dem, - is
GOP bias) **0**

	Northeast 2020 Exit Poll	South 2020 Exit Poll	Midwest 2020 Exit Poll	West 2020 Exit Poll	North- east 2024 Poll	South 2024 Poll
Regional Values (national polls only)						
Regional Bias (National Polls Only)	0	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	81	11	1	5	81	11
Racial Polling Sample Bias	0	0	0	0		

Racial Bias
Score (+ is
GOP, - is Dem
bias) **0**

	18-29 Exit Poll	30-44 Exit Poll	45-64 Exit Poll	65+ Exit Poll	18-29 2024 Poll	30-44 2024 Poll
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	36-44 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	36-44 2024
Age ID	0	0	0	0	0	0
Age Bias	0	0	0	0	0	0

Age Bias Score **0**

	18-45 Exit Poll	45-64 Exit Poll	65+ Exit Poll	n/a	18-45	45-64
Age ID	0	0	0	0	0	0
Age Bias	0	0	0	0	0	0

Age Bias Score **0**

	18-34 Exit Poll	35-49 Exit Poll	50-64 Exit Poll	65+ Exit Poll	18-34 2024 poll	35-49 2024 poll
Age ID	0	0	0	0	0	0
Age Bias	0	0	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 Exit Poll	30-39 Exit Poll
Age ID	0	0	0	0	0	0	0
Age Bias	0	0	0	0	0	0	0

Age Bias Score **0**

	18-29	30-49	50-65	65+ Exit Poll	18-29	30-49
Age ID	0	0	0	0	0	0
Age Bias	0	0	0	0	0	0

Age Bias Score **0**

	18-29 Exit Poll	30-44 Exit Poll	45-54	55-64	65+ Exit Poll	18-29 Exit Poll	30-44 Exit Poll
Age ID	13	23	18	18	28	10	22
Age Bias	-3	-1	-2	3	4		

Age Bias Score **7**

	Party ID	Gender	Education	Region	Racial Demo	Age Demo
Bias Multiplier (Level of Bias Significance)	10	6	6	3	5	5
Bias by Category	30	-12	252	0	20	0

OVERALL 2024 POLL BIAS (+ is Dem, - is GOP bias)	290	SCALE>>>	MILD BIAS (0-50)	DEFINITE BIAS, EXCESSIVE (50-100)	SEVERE BIAS (100+)
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	Female 2020 Exit Poll	Male 2020 Exit Poll	Female 2024 Poll	Male 2024 Poll
Gender ID Values	53	47	52	48
Gender ID Bias	-1	1		

Final Gender ID Bias (+ is Dem, - is GOP bias) **-2**

	College Degree or + 2020 Exit Poll	No College Degree or + 2020 Exit Poll	College Degree or + 2024 Exit Poll	No College Degree or + 2024 Exit Poll (Enter as a negative number)
Education Values	40	60	61	39

Education Bias Final Score (+ is Dem, - is GOP bias) **42**

	Northeast 2020 Exit Poll	South 2020 Exit Poll	Midwest 2020 Exit Poll	West 2020 Exit Poll	North-east 2024 Poll	South 2024 Poll
Regional Values (national polls only)						
Regional Bias (National Polls Only)	0	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	81	11	1	5	78	10
Racial Polling Sample Bias	-3	-1	2	0		

Racial Bias Score (+ is GOP, - is Dem bias) **4**

Sheet1

	18-29 Exit Poll	30-44 Exit Poll	45-64 Exit Poll	65+ Exit Poll	18-29 2024 Poll	30-44 2024 Poll
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	36-44 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	36-44 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 Poll	n/a	18-45	45-64
Age ID	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 Poll	18-34 2024 poll	35-49 2024 poll
Age ID	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 Exit Poll	30-39 Exit Poll
Age ID	0	0	0	0	0	0	0
Age Bias	0	0	0	0	0		
Age Bias Score	0						



Midwest 2024 Poll	West 2024 Poll
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Asian 2024 Exit Poll	Latino 2024 Exit Poll
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3	5
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45-64		
2024	65+	
Poll	Poll	
0	0	

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	Poll	65+ Exit Poll	
0	0	0	0

	65+	Exit	Poll
50-65	0	0	

45-54	55-64	65+	Exit	Poll
16	21			32





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women, so I
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etter than
aring lack of





	% Asian for Harris	% Asian for Trump
	0.66	0.27
	3.3	1.35



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



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



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

14.84 11.76

IN



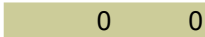
Midwest 2024 Poll	West 2024 Poll
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Asian 2024 Exit Poll	Latino 2024 Exit Poll
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45-64 2024 Poll	65+ Poll
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45+ 2024	n/a
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45+		
2024	n/a	
0	0	

65	n/a	
0	0	

50-64	65+	
2024	2024	
poll	poll	
0	0	

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

50-65	65+	
	Exit	
	Poll	
0	0	

45-54	55-64	65+	Exit Poll
16	21		32

Midwest 2024 Poll	West 2024 Poll
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Asian 2024 Exit Poll	Latino 2024 Exit Poll
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Sheet1

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