

Arizona Regression Analysis Data

(2 Pages)

Data for **Total VPR**
and Predicted VPR

Year	VoteTotal	PopTotal	VPR1	Predicted VPR1
1948	177,065	699,522	25.3	27.9
1950	•	749,587	•	28.2
1952	260,570	860,102	30.3	28.5
1956	290,173	1,081,131	26.8	29.0
1960	398,491	1,302,161	30.6	29.6
1964	480,770	1,479,674	32.5	30.2
1968	486,936	1,657,187	29.4	30.8
1970	•	1,745,944	•	31.1
1972	653,502	1,940,398	33.7	31.4
1976	742,719	2,329,307	31.9	32.0
1980	873,945	2,718,215	32.2	32.6
1984	1,025,897	3,097,020	33.1	33.2
1988	1,171,873	3,475,825	33.7	33.7
1990	•	3,665,228	•	34.0
1992	1,487,006	3,958,309	37.6	34.3
1996	1,404,405	4,544,470	30.9	34.9
2000	921,781	5,130,632	18.0	35.5
2004	2,012,585	5,635,186	35.7	36.1
2008	2,293,475	6,139,740	37.4	36.7
2010	•	6,392,017	•	37.0
2012	2,299,254	6,543,914	35.1	37.3
2016	2,604,657	6,847,708	38.0	37.8
2020	3,387,326	7,151,502	47.4	38.4

Data for **Republican VPR**
and Predicted VPR

RowID	Year	AZ R votes	AZ Pop	VPR	Predicted VPR
1	1948	77,597	699,522	11.1	15.918386199
2	1950	•	749,587	•	16.022569694
3	1952	152,042	860,102	17.7	16.126753189
4	1956	176,990	1,081,131	16.4	16.335120178
5	1960	221,241	1,302,161	17.0	16.543487167
6	1964	242,535	1,479,674	16.4	16.751854157
7	1968	266,721	1,657,187	16.1	16.960221146
8	1970	•	1,745,944	•	17.064404641
9	1972	402,812	1,940,398	20.8	17.168588136
10	1976	418,642	2,329,307	18.0	17.376955125
11	1980	529,688	2,718,215	19.5	17.585322114
12	1984	681,416	3,097,020	22.0	17.793689104
13	1988	702,541	3,475,825	20.2	18.002056093
14	1990	•	3,665,228	•	18.106239588
15	1992	572,086	3,958,309	14.5	18.210423082
16	1996	622,073	4,544,470	13.7	18.418790072
17	2000	472,940	5,130,632	9.2	18.627157061
18	2004	1,104,294	5,635,186	19.6	18.835524051
19	2008	1,230,111	6,139,740	20.0	19.04389104
20	2010	•	6,392,017	•	19.148074535
21	2012	1,233,654	6,543,914	18.9	19.252258029
22	2016	1,252,401	6,847,708	18.3	19.460625019
23	2020	1,661,686	7,151,502	23.2	19.668992008

Data for **Democrat VPR**
and Predicted VPR

RowID	Year	AZ D votes	AZ Pop	VPR	Pred VPR
1	1948	95,251	699,522	13.6	12.3
2	1950	•	749,587	•	12.3
3	1952	108,528	860,102	12.6	12.3
4	1956	112,880	1,081,131	10.4	12.3
5	1960	176,781	1,302,161	13.6	12.3
6	1964	237,753	1,479,674	16.1	12.3
7	1968	170,514	1,657,187	10.3	12.3
8	1970	•	1,745,944	•	12.3
9	1972	198,540	1,940,398	10.2	12.3
10	1976	295,602	2,329,307	12.7	12.4
11	1980	246,843	2,718,215	9.1	12.4
12	1984	333,854	3,097,020	10.8	12.4
13	1988	454,029	3,475,825	13.1	12.4
14	1990	•	3,665,228	•	12.4
15	1992	543,050	3,958,309	13.7	12.4
16	1996	653,288	4,544,470	14.4	12.4
17	2000	422,768	5,130,632	8.2	12.4
18	2004	893,524	5,635,186	15.9	12.4
19	2008	1,034,707	6,139,740	16.9	12.4
20	2010	•	6,392,017	•	12.4
21	2012	1,025,232	6,543,914	15.7	12.4
22	2016	1,161,167	6,847,708	17.0	12.4
23	2020	1,672,143	7,151,502	23.4	12.4

Data for **3rd Party VPR**

Year	Other	Population	VPR
1948	4,217	699,522	0.60
1950	•	749,587	•
1952	•	860,102	•
1956	303	1,081,131	0.03
1960	469	1,302,161	0.04
1964	482	1,479,674	0.03
1968	49,701	1,657,187	3.00
1970	•	1,745,944	•
1972	52,150	1,940,398	2.69
1976	28,475	2,329,307	1.22
1980	97,414	2,718,215	3.58
1984	10,627	3,097,020	0.34
1988	15,303	3,475,825	0.44
1990	•	3,665,228	•
1992	371,870	3,958,309	9.39
1996	129,044	4,544,470	2.84
2000	26,073	5,130,632	0.51
2004	14,767	5,635,186	0.26
2008	28,657	6,139,740	0.47
2010	•	6,392,017	•
2012	40,368	6,543,914	0.62
2016	191,089	6,847,708	2.79
2020	53,497	7,151,502	0.75

VOTE TOTALS

ELECTION

**% of POP.
WHO VOTED**

**ANALYSIS
TOOLS**

<u>Total</u>	<u>Republican</u>	<u>Democrat</u>	<u>Other</u>	<u>YEAR POPULATION</u>	<u>Total (VPR)</u>	<u>Rep.</u>	<u>Dem.</u>	<u>Other</u>	<u>Difference of 2 Parties Margin</u>	<u>Average of 2 Parties Pivot Pt</u>
--------------	-------------------	-----------------	--------------	----------------------------	------------------------	-------------	-------------	--------------	---	--

Arizona:

1940	N/A	N/A	N/A	N/A	499,261	N/A	N/A	N/A	N/A	N/A	N/A
1948	177,065	77,597	95,251	4,217	699,522	25.31%	11.09%	13.62%	0.60%	2.53%	12.36%
1950	N/A	N/A	N/A	N/A	749,587	N/A	N/A	N/A	N/A	N/A	N/A
1952	260,570	152,042	108,528	0	860,102	30.30%	17.68%	12.62%	0.00%	5.06%	15.15%
1956	290,173	176,990	112,880	303	1,081,131	26.84%	16.37%	10.44%	0.03%	5.93%	13.41%
1960	398,491	221,241	176,781	469	1,302,161	30.6%	17.0%	13.6%	0.0%	3.4%	15.30%
1964	480,770	242,535	237,753	482	1,479,674	32.5%	16.4%	16.1%	0.0%	5.8%	16.25%
1968	486,936	266,721	170,514	49,701	1,657,187	29.4%	16.1%	10.3%	3.0%	5.8%	13.20%
1970	N/A	N/A	N/A	N/A	1,745,944	N/A	N/A	N/A	N/A	N/A	N/A
1972	653,502	402,812	198,540	52,150	1,940,398	33.7%	20.8%	10.2%	2.7%	10.6%	15.50%
1976	742,719	418,642	295,602	28,475	2,329,307	31.9%	18.0%	12.7%	1.2%	5.3%	15.35%
1980	873,945	529,688	246,843	97,414	2,718,215	32.2%	19.5%	9.1%	3.6%	10.4%	14.30%
1984	1,025,897	681,416	333,854	10,627	3,097,020	33.1%	22.0%	10.8%	0.3%	11.2%	16.40%
1988	1,171,873	702,541	454,029	15,303	3,475,825	33.7%	20.2%	13.1%	0.4%	7.1%	16.65%
1990	N/A	N/A	N/A	N/A	3,665,228	N/A	N/A	N/A	N/A	N/A	N/A
1992	1,487,006	572,086	543,050	371,870	3,958,309	37.6%	14.5%	13.7%	9.4%	0.8%	14.10%
1996	1,404,405	622,073	653,288	129,044	4,544,470	30.9%	13.7%	14.4%	2.8%	0.7%	14.05%
2000	921,781	472,940	422,768	26,073	5,130,632	18.0%	9.2%	8.2%	0.5%	1.0%	8.70%
2004	2,012,585	1,104,294	893,524	14,767	5,635,186	35.7%	19.6%	15.9%	0.3%	3.7%	17.75%
2008	2,293,475	1,230,111	1,034,707	28,657	6,139,740	37.4%	20.0%	16.9%	0.5%	3.1%	18.45%
2010	N/A	N/A	N/A	N/A	6,392,017	N/A	N/A	N/A	N/A	N/A	N/A
2012	2,299,254	1,233,654	1,025,232	40,368	6,543,914	35.14%	18.85%	15.67%	0.62%	3.18%	17.26%
2016	2,604,657	1,252,401	1,161,167	191,089	6,847,708	38.04%	18.29%	16.96%	2.79%	1.33%	17.63%
2020	3,387,326	1,661,686	1,672,143	53,497	7,151,502	47.37%	23.24%	23.38%	0.75%	0.14%	23.31%
2024					7,455,296 est.						