

Student Performance Dataset – Data Analysis Report

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Tools Used: Excel, Python, Power BI

Internship: Owl AI Virtual Internship – Data
Analyst Task

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Introduction

This report provides a comprehensive analysis of the “Student Performance” dataset, which includes detailed information on student demographics, parental education levels, test preparation participation, and academic scores in three core subjects: Math, Reading, and Writing.

The primary goal of this analysis is to uncover patterns and trends in student performance based on factors such as gender, parental education, and completion of test preparation courses. By examining these factors, we aim to identify insights that can help understand academic outcomes and inform strategies for improvement.

The analysis was conducted using multiple tools:

Excel – for pivot tables and charts

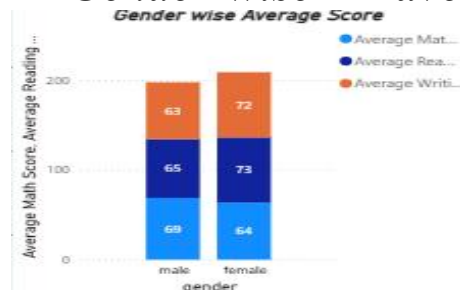
Python – for statistical analysis and visual exploration

Power BI – for building an interactive dashboard to visualize the findings effectively

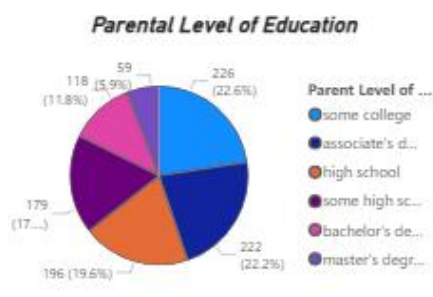
Key Findings

- *Female students scored higher on average in **Reading** and **Writing**, while male students had slightly higher **Math** scores.*
- *Students whose parents held higher education degrees tended to achieve **better overall scores**.*
- *Participation in **test preparation courses** had a **positive effect** on student performance across all subjects.*
- *Only a **small proportion of students** scored **above 90** in all three subjects.*

Bar Chart: Gender-wise average scores



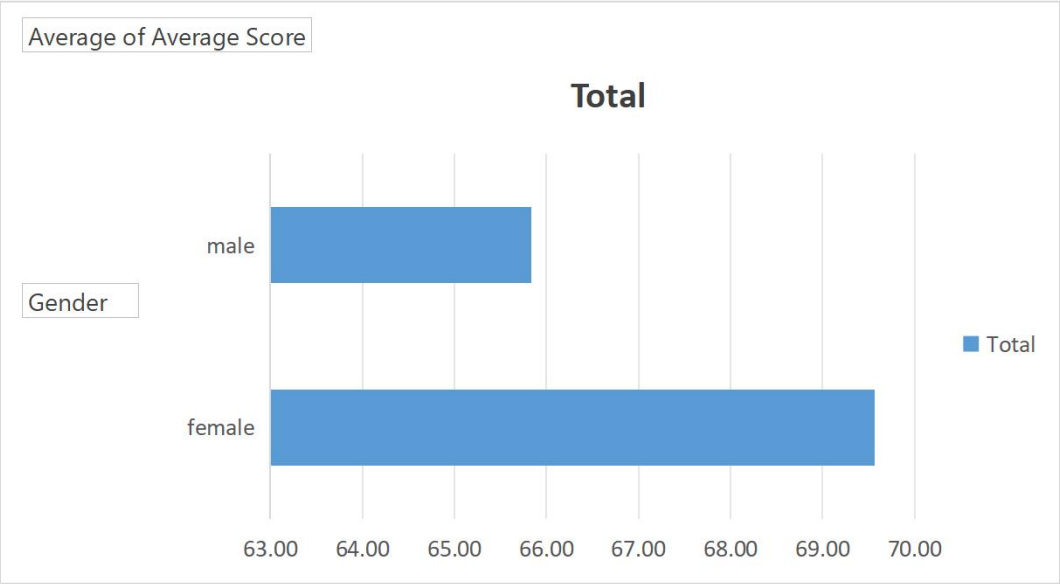
Pie Chart: Distribution of high scorers



Conclusion

The analysis demonstrates how demographic and academic factors influence student performance. Insights from this dataset can be used by educators to identify areas for targeted support, such as improving Math performance among students with lower parental education levels or encouraging broader participation in test preparation programs.

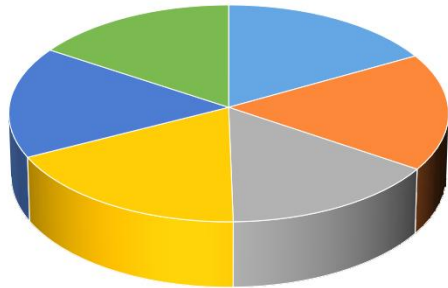
Gender	Average of Average Score
female	69.57
male	65.84
Grand Total	67.77



Parental Education	Average of Average Score
associate's degree	69.57
bachelor's degree	71.92
high school	63.10
master's degree	73.60
some college	68.48
some high school	65.11
Grand Total	67.77

Average of Average Score

Total



Parental Education

- associate's degree
- bachelor's degree
- high school
- master's degree
- some college
- some high school

Math > 90	Number of Students
No	950
Yes	50
Grand Total	1000

Gender	Race/Ethnicity	Parental Education	Lunch	Test Preparation Course	Math Score	Reading Score	Writing Score	Total Score	Average Score
female	group B	bachelor's degree	standard	none	72	72	74	218	72.66666667
female	group C	some college	standard	completed	69	90	88	247	82.33333333
female	group B	master's degree	standard	none	90	95	93	278	92.66666667
male	group A	associate's degree	free/reduced	none	47	57	44	148	49.33333333
male	group C	some college	standard	none	76	78	75	229	76.33333333
female	group B	associate's degree	standard	none	71	83	78	232	77.33333333
female	group B	some college	standard	completed	88	95	92	275	91.66666667
male	group B	some college	free/reduced	none	40	43	39	122	40.66666667
male	group D	high school	free/reduced	completed	64	64	67	195	65
female	group B	high school	free/reduced	none	38	60	50	148	49.33333333
male	group C	associate's degree	standard	none	58	54	52	164	54.66666667
male	group D	associate's degree	standard	none	40	52	43	135	45
female	group B	high school	standard	none	65	81	73	219	73
male	group A	some college	standard	completed	78	72	70	220	73.33333333
female	group A	master's degree	standard	none	50	53	58	161	53.66666667
female	group C	some high school	standard	none	69	75	78	222	74
male	group C	high school	standard	none	88	89	86	263	87.66666667
female	group B	some high school	free/reduced	none	18	32	28	78	26
male	group C	master's degree	free/reduced	completed	46	42	46	134	44.66666667
female	group C	associate's degree	free/reduced	none	54	58	61	173	57.66666667
male	group D	high school	standard	none	66	69	63	198	66
female	group B	some college	free/reduced	completed	65	75	70	210	70
male	group D	some college	standard	none	44	54	53	151	50.33333333
female	group C	some high school	standard	none	69	73	73	215	71.66666667
male	group D	bachelor's degree	free/reduced	completed	74	71	80	225	75
male	group A	master's degree	free/reduced	none	73	74	72	219	73
male	group B	some college	standard	none	69	54	55	178	59.33333333
female	group C	bachelor's degree	standard	none	67	69	75	211	70.33333333
male	group C	high school	standard	none	70	70	65	205	68.33333333
female	group D	master's degree	standard	none	62	70	75	207	69
female	group D	some college	standard	none	69	74	74	217	72.33333333
female	group B	some college	standard	none	63	65	61	189	63

female	group E	master's degree	free/reduce	none	56	72	65	193	64.33333333
male	group D	some college	standard	none	40	42	38	120	40
male	group E	some college	standard	none	97	87	82	266	88.66666667
male	group E	associate's degree	standard	completed	81	81	79	241	80.33333333
female	group D	associate's degree	standard	none	74	81	83	238	79.33333333
female	group D	some high school	free/reduce	none	50	64	59	173	57.66666667
female	group D	associate's degree	free/reduce	completed	75	90	88	253	84.33333333
male	group B	associate's degree	free/reduce	none	57	56	57	170	56.66666667
male	group C	associate's degree	free/reduce	none	55	61	54	170	56.66666667
female	group C	associate's degree	standard	none	58	73	68	199	66.33333333
female	group B	associate's degree	standard	none	53	58	65	176	58.66666667
male	group B	some college	free/reduce	completed	59	65	66	190	63.33333333
female	group E	associate's degree	free/reduce	none	50	56	54	160	53.33333333
male	group B	associate's degree	standard	none	65	54	57	176	58.66666667
female	group A	associate's degree	standard	completed	55	65	62	182	60.66666667
female	group C	high school	standard	none	66	71	76	213	71
female	group D	associate's degree	free/reduce	completed	57	74	76	207	69
male	group C	high school	standard	completed	82	84	82	248	82.66666667
male	group E	some college	standard	none	53	55	48	156	52
male	group E	associate's degree	free/reduce	completed	77	69	68	214	71.33333333
male	group C	some college	standard	none	53	44	42	139	46.33333333
male	group D	high school	standard	none	88	78	75	241	80.33333333
female	group C	some high school	free/reduce	completed	71	84	87	242	80.66666667
female	group C	high school	free/reduce	none	33	41	43	117	39
female	group E	associate's degree	standard	completed	82	85	86	253	84.33333333
male	group D	associate's degree	standard	none	52	55	49	156	52
male	group D	some college	standard	completed	58	59	58	175	58.33333333
female	group C	some high school	free/reduce	none	0	17	10	27	9
male	group E	bachelor's degree	free/reduce	completed	79	74	72	225	75
male	group A	some high school	free/reduce	none	39	39	34	112	37.33333333
male	group A	associate's degree	free/reduce	none	62	61	55	178	59.33333333
female	group C	associate's degree	standard	none	69	80	71	220	73.33333333
female	group D	some high school	standard	none	59	58	59	176	58.66666667

male	group B	some high school	standard	none	67	64	61	192	64
male	group D	some high school	free/reduce	none	45	37	37	119	39.66666667
female	group C	some college	standard	none	60	72	74	206	68.66666667
male	group B	associate's degree	free/reduce	none	61	58	56	175	58.33333333
female	group C	associate's degree	standard	none	39	64	57	160	53.33333333
female	group D	some college	free/reduce	completed	58	63	73	194	64.66666667
male	group D	some college	standard	completed	63	55	63	181	60.33333333
female	group A	associate's degree	free/reduce	none	41	51	48	140	46.66666667
male	group C	some high school	free/reduce	none	61	57	56	174	58
male	group C	some high school	standard	none	49	49	41	139	46.33333333
male	group B	associate's degree	free/reduce	none	44	41	38	123	41
male	group E	some high school	standard	none	30	26	22	78	26
male	group A	bachelor's degree	standard	completed	80	78	81	239	79.66666667
female	group D	some high school	standard	completed	61	74	72	207	69
female	group E	master's degree	standard	none	62	68	68	198	66
female	group B	associate's degree	standard	none	47	49	50	146	48.66666667
male	group B	high school	free/reduce	none	49	45	45	139	46.33333333
male	group A	some college	free/reduce	completed	50	47	54	151	50.33333333
male	group E	associate's degree	standard	none	72	64	63	199	66.33333333
male	group D	high school	free/reduce	none	42	39	34	115	38.33333333
female	group C	some college	standard	none	73	80	82	235	78.33333333
female	group C	some college	free/reduce	none	76	83	88	247	82.33333333
female	group D	associate's degree	standard	none	71	71	74	216	72
female	group A	some college	standard	none	58	70	67	195	65
female	group D	some high school	standard	none	73	86	82	241	80.33333333
female	group C	bachelor's degree	standard	none	65	72	74	211	70.33333333
male	group C	high school	free/reduce	none	27	34	36	97	32.33333333
male	group C	high school	standard	none	71	79	71	221	73.66666667
male	group C	associate's degree	free/reduce	completed	43	45	50	138	46
female	group B	some college	standard	none	79	86	92	257	85.66666667
male	group C	associate's degree	free/reduce	completed	78	81	82	241	80.33333333
male	group B	some high school	standard	completed	65	66	62	193	64.33333333
female	group E	some college	standard	completed	63	72	70	205	68.33333333

female	group D	some college	free/reduce	none	58	67	62	187	62.33333333
female	group D	bachelor's degree	standard	none	65	67	62	194	64.66666667
male	group B	some college	standard	none	79	67	67	213	71
male	group D	bachelor's degree	standard	completed	68	74	74	216	72
female	group D	associate's degree	standard	none	85	91	89	265	88.33333333
male	group B	high school	standard	completed	60	44	47	151	50.33333333
male	group C	some college	standard	completed	98	86	90	274	91.33333333
female	group C	some college	standard	none	58	67	72	197	65.66666667
female	group D	master's degree	standard	none	87	100	100	287	95.66666667
male	group E	associate's degree	standard	completed	66	63	64	193	64.33333333
female	group B	associate's degree	free/reduce	none	52	76	70	198	66
female	group B	some high school	standard	none	70	64	72	206	68.66666667
female	group D	associate's degree	free/reduce	completed	77	89	98	264	88
male	group C	high school	standard	none	62	55	49	166	55.33333333
male	group A	associate's degree	standard	none	54	53	47	154	51.33333333
female	group D	some college	standard	none	51	58	54	163	54.33333333
female	group E	bachelor's degree	standard	completed	99	100	100	299	99.66666667
male	group C	high school	standard	none	84	77	74	235	78.33333333
female	group B	bachelor's degree	free/reduce	none	75	85	82	242	80.66666667
female	group D	bachelor's degree	standard	none	78	82	79	239	79.66666667
female	group D	some high school	standard	none	51	63	61	175	58.33333333
female	group C	some college	standard	none	55	69	65	189	63
female	group C	bachelor's degree	standard	completed	79	92	89	260	86.66666667
male	group B	associate's degree	standard	completed	91	89	92	272	90.66666667
female	group C	some college	standard	completed	88	93	93	274	91.33333333
male	group D	high school	free/reduce	none	63	57	56	176	58.66666667
male	group E	some college	standard	none	83	80	73	236	78.66666667
female	group B	high school	standard	none	87	95	86	268	89.33333333
male	group B	some high school	standard	none	72	68	67	207	69
male	group D	some college	standard	completed	65	77	74	216	72
male	group D	master's degree	standard	none	82	82	74	238	79.33333333
female	group A	bachelor's degree	standard	none	51	49	51	151	50.33333333
male	group D	master's degree	standard	none	89	84	82	255	85

male	group C	some high school	free/reduce	completed	53	37	40	130	43.33333333
male	group E	some college	free/reduce	completed	87	74	70	231	77
female	group C	some college	standard	completed	75	81	84	240	80
male	group D	bachelor's degree	free/reduce	completed	74	79	75	228	76
male	group C	bachelor's degree	standard	none	58	55	48	161	53.66666667
male	group B	some high school	standard	completed	51	54	41	146	48.66666667
male	group E	high school	standard	none	70	55	56	181	60.33333333
female	group C	associate's degree	standard	none	59	66	67	192	64
male	group D	some college	standard	completed	71	61	69	201	67
female	group D	some high school	standard	none	76	72	71	219	73
female	group C	some college	free/reduce	none	59	62	64	185	61.66666667
female	group E	some college	free/reduce	completed	42	55	54	151	50.33333333
male	group A	high school	standard	none	57	43	47	147	49
male	group D	some college	standard	none	88	73	78	239	79.66666667
female	group C	some college	free/reduce	none	22	39	33	94	31.33333333
male	group B	some high school	standard	none	88	84	75	247	82.33333333
male	group C	associate's degree	free/reduce	none	73	68	66	207	69
female	group D	bachelor's degree	standard	completed	68	75	81	224	74.66666667
male	group E	associate's degree	free/reduce	completed	100	100	93	293	97.66666667
male	group A	some high school	standard	completed	62	67	69	198	66
male	group A	bachelor's degree	standard	none	77	67	68	212	70.66666667
female	group B	associate's degree	standard	completed	59	70	66	195	65
male	group D	bachelor's degree	standard	none	54	49	47	150	50
male	group D	some high school	standard	none	62	67	61	190	63.33333333
female	group C	some college	standard	completed	70	89	88	247	82.33333333
female	group E	high school	free/reduce	completed	66	74	78	218	72.66666667
male	group B	some college	free/reduce	none	60	60	60	180	60
female	group B	associate's degree	standard	completed	61	86	87	234	78
male	group D	associate's degree	free/reduce	none	66	62	64	192	64
male	group B	associate's degree	free/reduce	completed	82	78	74	234	78
female	group E	some college	free/reduce	completed	75	88	85	248	82.66666667
male	group B	master's degree	free/reduce	none	49	53	52	154	51.33333333
male	group C	high school	standard	none	52	53	49	154	51.33333333

female	group E	master's degree	standard	none	81	92	91	264	88
female	group C	bachelor's degree	standard	completed	96	100	100	296	98.66666667
male	group C	high school	free/reduce	completed	53	51	51	155	51.66666667
female	group B	master's degree	free/reduce	completed	58	76	78	212	70.66666667
female	group B	high school	standard	completed	68	83	78	229	76.33333333
female	group C	some college	free/reduce	completed	67	75	70	212	70.66666667
male	group A	high school	standard	completed	72	73	74	219	73
male	group E	some high school	standard	none	94	88	78	260	86.66666667
female	group D	some college	standard	none	79	86	81	246	82
female	group C	associate's degree	standard	none	63	67	70	200	66.66666667
female	group C	bachelor's degree	free/reduce	completed	43	51	54	148	49.33333333
female	group C	master's degree	standard	completed	81	91	87	259	86.33333333
female	group B	high school	free/reduce	completed	46	54	58	158	52.66666667
female	group C	associate's degree	standard	completed	71	77	77	225	75
female	group B	master's degree	free/reduce	completed	52	70	62	184	61.33333333
female	group D	some high school	standard	completed	97	100	100	297	99
male	group C	master's degree	free/reduce	completed	62	68	75	205	68.33333333
female	group C	some college	free/reduce	none	46	64	66	176	58.66666667
female	group E	high school	standard	none	50	50	47	147	49
female	group D	associate's degree	standard	none	65	69	70	204	68
male	group C	some high school	free/reduce	completed	45	52	49	146	48.66666667
male	group C	associate's degree	free/reduce	completed	65	67	65	197	65.66666667
male	group E	high school	standard	none	80	76	65	221	73.66666667
male	group D	some high school	standard	completed	62	66	68	196	65.33333333
male	group B	some high school	free/reduce	none	48	52	45	145	48.33333333
female	group C	bachelor's degree	standard	none	77	88	87	252	84
female	group E	associate's degree	standard	none	66	65	69	200	66.66666667
male	group D	some college	standard	completed	76	83	79	238	79.33333333
female	group B	some high school	standard	none	62	64	66	192	64
male	group D	some college	standard	completed	77	62	62	201	67
female	group C	master's degree	standard	completed	69	84	85	238	79.33333333
male	group D	associate's degree	standard	none	61	55	52	168	56
male	group C	some high school	free/reduce	completed	59	69	65	193	64.33333333

male	group E	high school	free/reduce	none	55	56	51	162	54
female	group B	some college	free/reduce	none	45	53	55	153	51
female	group B	bachelor's degree	free/reduce	none	78	79	76	233	77.66666667
female	group C	associate's degree	standard	completed	67	84	86	237	79
female	group D	some college	free/reduce	none	65	81	77	223	74.33333333
male	group C	associate's degree	standard	none	69	77	69	215	71.66666667
female	group B	associate's degree	standard	none	57	69	68	194	64.66666667
male	group C	some college	standard	none	59	41	42	142	47.33333333
male	group D	some high school	standard	completed	74	71	78	223	74.33333333
male	group E	bachelor's degree	standard	none	82	62	62	206	68.66666667
male	group E	high school	standard	completed	81	80	76	237	79
female	group B	some college	free/reduce	none	74	81	76	231	77
female	group B	some college	free/reduce	none	58	61	66	185	61.66666667
male	group D	some high school	free/reduce	completed	80	79	79	238	79.33333333
male	group C	some college	free/reduce	none	35	28	27	90	30
female	group C	high school	free/reduce	none	42	62	60	164	54.66666667
male	group C	associate's degree	free/reduce	completed	60	51	56	167	55.66666667
male	group E	high school	standard	completed	87	91	81	259	86.33333333
male	group B	some high school	standard	completed	84	83	75	242	80.66666667
female	group E	associate's degree	free/reduce	completed	83	86	88	257	85.66666667
female	group C	high school	free/reduce	none	34	42	39	115	38.33333333
male	group B	high school	free/reduce	none	66	77	70	213	71
male	group B	some high school	standard	completed	61	56	56	173	57.66666667
female	group D	high school	standard	completed	56	68	74	198	66
male	group B	associate's degree	standard	none	87	85	73	245	81.66666667
female	group C	some high school	free/reduce	none	55	65	62	182	60.66666667
male	group D	some high school	standard	none	86	80	75	241	80.33333333
female	group B	associate's degree	standard	completed	52	66	73	191	63.66666667
female	group E	master's degree	free/reduce	none	45	56	54	155	51.66666667
female	group C	some college	standard	none	72	72	71	215	71.66666667
male	group D	high school	standard	none	57	50	54	161	53.66666667
male	group A	some high school	free/reduce	none	68	72	64	204	68
female	group C	some college	standard	completed	88	95	94	277	92.33333333

male	group D	some college	standard	none	76	64	66	206	68.66666667
male	group C	associate's degree	standard	none	46	43	42	131	43.66666667
female	group B	bachelor's degree	standard	none	67	86	83	236	78.66666667
male	group E	some high school	standard	none	92	87	78	257	85.66666667
male	group C	bachelor's degree	standard	completed	83	82	84	249	83
male	group D	associate's degree	standard	none	80	75	77	232	77.33333333
male	group D	bachelor's degree	free/reduce	none	63	66	67	196	65.33333333
female	group D	some high school	standard	completed	64	60	74	198	66
male	group B	some college	standard	none	54	52	51	157	52.33333333
male	group C	associate's degree	standard	none	84	80	80	244	81.33333333
male	group D	high school	free/reduce	completed	73	68	66	207	69
female	group E	bachelor's degree	standard	none	80	83	83	246	82
female	group D	high school	standard	none	56	52	55	163	54.33333333
male	group E	some college	standard	none	59	51	43	153	51
male	group D	some high school	standard	none	75	74	69	218	72.66666667
male	group C	associate's degree	standard	none	85	76	71	232	77.33333333
male	group E	associate's degree	standard	none	89	76	74	239	79.66666667
female	group B	high school	standard	completed	58	70	68	196	65.33333333
female	group B	high school	standard	none	65	64	62	191	63.66666667
male	group C	high school	standard	none	68	60	53	181	60.33333333
male	group A	some high school	standard	completed	47	49	49	145	48.33333333
female	group D	some college	free/reduce	none	71	83	83	237	79
female	group B	some high school	standard	completed	60	70	70	200	66.66666667
male	group D	master's degree	standard	none	80	80	72	232	77.33333333
male	group D	high school	standard	none	54	52	52	158	52.66666667
female	group E	some college	standard	none	62	73	70	205	68.33333333
female	group C	associate's degree	free/reduce	none	64	73	68	205	68.33333333
male	group C	associate's degree	standard	completed	78	77	77	232	77.33333333
female	group B	some college	standard	none	70	75	78	223	74.33333333
female	group C	master's degree	free/reduce	completed	65	81	81	227	75.66666667
female	group C	some high school	free/reduce	completed	64	79	77	220	73.33333333
male	group C	some college	standard	completed	79	79	78	236	78.66666667
female	group C	some high school	free/reduce	none	44	50	51	145	48.33333333

female	group E	high school	standard	none	99	93	90	282	94
male	group D	high school	standard	none	76	73	68	217	72.33333333
male	group D	some high school	free/reduce	none	59	42	41	142	47.33333333
female	group C	bachelor's degree	standard	none	63	75	81	219	73
female	group D	high school	standard	none	69	72	77	218	72.66666667
female	group D	associate's degree	standard	completed	88	92	95	275	91.66666667
female	group E	some college	free/reduce	none	71	76	70	217	72.33333333
male	group C	bachelor's degree	standard	none	69	63	61	193	64.33333333
male	group C	some college	standard	none	58	49	42	149	49.66666667
female	group D	associate's degree	free/reduce	none	47	53	58	158	52.66666667
female	group D	some college	standard	none	65	70	71	206	68.66666667
male	group B	some college	standard	completed	88	85	76	249	83
male	group C	bachelor's degree	standard	none	83	78	73	234	78
female	group C	some high school	standard	completed	85	92	93	270	90
female	group E	high school	standard	completed	59	63	75	197	65.66666667
female	group C	some high school	free/reduce	none	65	86	80	231	77
male	group B	bachelor's degree	free/reduce	none	73	56	57	186	62
male	group D	high school	standard	none	53	52	42	147	49
male	group D	high school	standard	none	45	48	46	139	46.33333333
female	group D	bachelor's degree	free/reduce	none	73	79	84	236	78.66666667
female	group D	some college	free/reduce	completed	70	78	78	226	75.33333333
female	group B	some high school	standard	none	37	46	46	129	43
male	group B	associate's degree	standard	completed	81	82	82	245	81.66666667
male	group E	associate's degree	standard	completed	97	82	88	267	89
female	group B	some high school	standard	none	67	89	82	238	79.33333333
male	group B	bachelor's degree	free/reduce	none	88	75	76	239	79.66666667
male	group E	some high school	standard	completed	77	76	77	230	76.66666667
male	group C	associate's degree	standard	none	76	70	68	214	71.33333333
male	group D	some high school	standard	none	86	73	70	229	76.33333333
male	group C	some high school	standard	completed	63	60	57	180	60
female	group E	bachelor's degree	standard	none	65	73	75	213	71
male	group D	high school	free/reduce	completed	78	77	80	235	78.33333333
male	group B	associate's degree	free/reduce	none	67	62	60	189	63

male	group A	some high school	standard	completed	46	41	43	130	43.33333333
male	group E	associate's degree	standard	completed	71	74	68	213	71
male	group C	high school	free/reduce	completed	40	46	50	136	45.33333333
male	group D	associate's degree	free/reduce	none	90	87	75	252	84
male	group A	some college	free/reduce	completed	81	78	81	240	80
male	group D	some high school	free/reduce	none	56	54	52	162	54
female	group C	associate's degree	standard	completed	67	84	81	232	77.33333333
male	group B	associate's degree	standard	none	80	76	64	220	73.33333333
female	group C	associate's degree	standard	completed	74	75	83	232	77.33333333
male	group A	some college	standard	none	69	67	69	205	68.33333333
male	group E	some college	standard	completed	99	87	81	267	89
male	group C	some high school	standard	none	51	52	44	147	49
female	group B	associate's degree	free/reduce	none	53	71	67	191	63.66666667
female	group D	high school	free/reduce	none	49	57	52	158	52.66666667
female	group B	associate's degree	standard	none	73	76	80	229	76.33333333
male	group B	bachelor's degree	standard	none	66	60	57	183	61
male	group D	bachelor's degree	standard	completed	67	61	68	196	65.33333333
female	group C	associate's degree	free/reduce	completed	68	67	69	204	68
female	group C	bachelor's degree	standard	completed	59	64	75	198	66
male	group C	high school	standard	none	71	66	65	202	67.33333333
female	group D	master's degree	standard	completed	77	82	91	250	83.33333333
male	group C	associate's degree	standard	none	83	72	78	233	77.66666667
male	group B	bachelor's degree	standard	none	63	71	69	203	67.66666667
female	group D	associate's degree	free/reduce	none	56	65	63	184	61.33333333
female	group C	high school	free/reduce	completed	67	79	84	230	76.66666667
female	group E	high school	standard	none	75	86	79	240	80
female	group C	some college	standard	none	71	81	80	232	77.33333333
female	group C	some high school	free/reduce	none	43	53	53	149	49.66666667
female	group C	high school	free/reduce	none	41	46	43	130	43.33333333
female	group C	some college	standard	none	82	90	94	266	88.66666667
male	group C	some college	standard	none	61	61	62	184	61.33333333
male	group A	some college	free/reduce	none	28	23	19	70	23.33333333
male	group C	associate's degree	standard	completed	82	75	77	234	78

female	group B	some high school	standard	none	41	55	51	147	49
male	group C	high school	standard	none	71	60	61	192	64
male	group C	associate's degree	standard	none	47	37	35	119	39.66666667
male	group E	associate's degree	standard	completed	62	56	53	171	57
male	group B	associate's degree	standard	none	90	78	81	249	83
female	group C	bachelor's degree	standard	none	83	93	95	271	90.33333333
female	group B	some college	free/reduce	none	61	68	66	195	65
male	group D	some high school	standard	completed	76	70	69	215	71.66666667
male	group C	associate's degree	standard	none	49	51	43	143	47.66666667
female	group B	some high school	free/reduce	none	24	38	27	89	29.66666667
female	group D	some high school	free/reduce	completed	35	55	60	150	50
male	group C	high school	free/reduce	none	58	61	52	171	57
female	group C	high school	standard	none	61	73	63	197	65.66666667
female	group B	high school	standard	completed	69	76	74	219	73
male	group D	associate's degree	standard	completed	67	72	67	206	68.66666667
male	group D	some college	standard	none	79	73	67	219	73
female	group C	high school	standard	none	72	80	75	227	75.66666667
male	group B	some college	standard	none	62	61	57	180	60
female	group C	bachelor's degree	standard	completed	77	94	95	266	88.66666667
male	group D	high school	free/reduce	none	75	74	66	215	71.66666667
male	group E	associate's degree	standard	none	87	74	76	237	79
female	group B	bachelor's degree	standard	none	52	65	69	186	62
male	group E	some college	standard	none	66	57	52	175	58.33333333
female	group C	some college	standard	completed	63	78	80	221	73.66666667
female	group C	associate's degree	standard	none	46	58	57	161	53.66666667
female	group C	some college	standard	none	59	71	70	200	66.66666667
female	group B	bachelor's degree	standard	none	61	72	70	203	67.66666667
male	group A	associate's degree	standard	none	63	61	61	185	61.66666667
female	group C	some college	free/reduce	completed	42	66	69	177	59
male	group D	some college	free/reduce	none	59	62	61	182	60.66666667
female	group D	some college	standard	none	80	90	89	259	86.33333333
female	group B	high school	standard	none	58	62	59	179	59.66666667
male	group B	some high school	standard	completed	85	84	78	247	82.33333333

female	group C	some college	standard	none	52	58	58	168	56
female	group D	some high school	free/reduce	none	27	34	32	93	31
male	group C	some college	standard	none	59	60	58	177	59
male	group A	bachelor's degree	free/reduce	completed	49	58	60	167	55.66666667
male	group C	high school	standard	completed	69	58	53	180	60
male	group C	bachelor's degree	free/reduce	none	61	66	61	188	62.66666667
female	group A	some high school	free/reduce	none	44	64	58	166	55.33333333
female	group D	some high school	standard	none	73	84	85	242	80.66666667
male	group E	some college	standard	none	84	77	71	232	77.33333333
female	group C	some college	free/reduce	completed	45	73	70	188	62.66666667
male	group D	some high school	standard	none	74	74	72	220	73.33333333
female	group D	some college	standard	completed	82	97	96	275	91.66666667
female	group D	bachelor's degree	standard	none	59	70	73	202	67.33333333
male	group E	associate's degree	free/reduce	none	46	43	41	130	43.33333333
female	group D	some high school	standard	none	80	90	82	252	84
female	group D	master's degree	free/reduce	completed	85	95	100	280	93.33333333
female	group A	some high school	standard	none	71	83	77	231	77
male	group A	bachelor's degree	standard	none	66	64	62	192	64
female	group B	associate's degree	standard	none	80	86	83	249	83
male	group C	associate's degree	standard	completed	87	100	95	282	94
male	group C	master's degree	free/reduce	none	79	81	71	231	77
female	group E	some high school	free/reduce	none	38	49	45	132	44
female	group A	some high school	free/reduce	none	38	43	43	124	41.33333333
female	group E	some college	standard	none	67	76	75	218	72.66666667
female	group E	bachelor's degree	standard	none	64	73	70	207	69
female	group C	associate's degree	free/reduce	none	57	78	67	202	67.33333333
female	group D	high school	standard	none	62	64	64	190	63.33333333
male	group D	master's degree	standard	none	73	70	75	218	72.66666667
male	group E	some high school	free/reduce	completed	73	67	59	199	66.33333333
female	group D	some college	standard	none	77	68	77	222	74
male	group E	some college	standard	none	76	67	67	210	70
male	group C	associate's degree	standard	completed	57	54	56	167	55.66666667
female	group C	some high school	standard	completed	65	74	77	216	72

male	group A	high school	free/reduce	none	48	45	41	134	44.66666667
female	group B	high school	free/reduce	none	50	67	63	180	60
female	group C	associate's degree	standard	none	85	89	95	269	89.66666667
male	group B	some high school	standard	none	74	63	57	194	64.66666667
male	group D	some high school	standard	none	60	59	54	173	57.66666667
female	group C	some high school	standard	completed	59	54	67	180	60
male	group A	some college	standard	none	53	43	43	139	46.33333333
female	group A	some college	free/reduce	none	49	65	55	169	56.33333333
female	group D	high school	standard	completed	88	99	100	287	95.66666667
female	group C	high school	standard	none	54	59	62	175	58.33333333
female	group C	some high school	standard	none	63	73	68	204	68
male	group B	associate's degree	standard	completed	65	65	63	193	64.33333333
female	group B	associate's degree	standard	none	82	80	77	239	79.66666667
female	group D	high school	free/reduce	completed	52	57	56	165	55
male	group D	associate's degree	standard	completed	87	84	85	256	85.33333333
female	group D	master's degree	standard	completed	70	71	74	215	71.66666667
male	group E	some college	standard	completed	84	83	78	245	81.66666667
male	group D	associate's degree	standard	none	71	66	60	197	65.66666667
male	group B	some high school	standard	completed	63	67	67	197	65.66666667
female	group C	bachelor's degree	free/reduce	completed	51	72	79	202	67.33333333
male	group E	high school	standard	none	84	73	69	226	75.33333333
male	group C	bachelor's degree	standard	completed	71	74	68	213	71
male	group C	associate's degree	standard	none	74	73	67	214	71.33333333
male	group D	some college	standard	none	68	59	62	189	63
male	group E	high school	free/reduce	completed	57	56	54	167	55.66666667
female	group C	associate's degree	free/reduce	completed	82	93	93	268	89.33333333
female	group D	high school	standard	completed	57	58	64	179	59.66666667
female	group D	master's degree	free/reduce	completed	47	58	67	172	57.33333333
female	group A	some high school	standard	completed	59	85	80	224	74.66666667
male	group B	some college	free/reduce	none	41	39	34	114	38
female	group C	some college	free/reduce	none	62	67	62	191	63.66666667
male	group C	bachelor's degree	standard	none	86	83	86	255	85
male	group C	some high school	free/reduce	none	69	71	65	205	68.33333333

male	group A	some high school	free/reduce	none	65	59	53	177	59
male	group C	some high school	free/reduce	none	68	63	54	185	61.66666667
male	group C	associate's degree	free/reduce	none	64	66	59	189	63
female	group C	high school	standard	none	61	72	70	203	67.66666667
male	group C	high school	standard	none	61	56	55	172	57.33333333
female	group A	some high school	free/reduce	none	47	59	50	156	52
male	group C	some high school	standard	none	73	66	66	205	68.33333333
male	group C	some college	free/reduce	completed	50	48	53	151	50.33333333
male	group D	associate's degree	standard	none	75	68	64	207	69
male	group D	associate's degree	free/reduce	none	75	66	73	214	71.33333333
male	group C	high school	standard	none	70	56	51	177	59
male	group D	some high school	standard	completed	89	88	82	259	86.33333333
female	group C	some college	standard	completed	67	81	79	227	75.66666667
female	group D	high school	standard	none	78	81	80	239	79.66666667
female	group A	some high school	free/reduce	none	59	73	69	201	67
female	group B	associate's degree	standard	none	73	83	76	232	77.33333333
male	group A	some high school	free/reduce	none	79	82	73	234	78
female	group C	some high school	standard	completed	67	74	77	218	72.66666667
male	group D	some college	free/reduce	none	69	66	60	195	65
male	group C	high school	standard	completed	86	81	80	247	82.33333333
male	group B	high school	standard	none	47	46	42	135	45
male	group B	associate's degree	standard	none	81	73	72	226	75.33333333
female	group C	some college	free/reduce	completed	64	85	85	234	78
female	group E	some college	standard	none	100	92	97	289	96.33333333
female	group C	associate's degree	free/reduce	none	65	77	74	216	72
male	group C	some college	free/reduce	none	65	58	49	172	57.33333333
female	group C	associate's degree	free/reduce	none	53	61	62	176	58.66666667
male	group C	bachelor's degree	free/reduce	none	37	56	47	140	46.66666667
female	group D	bachelor's degree	standard	none	79	89	89	257	85.66666667
male	group D	associate's degree	free/reduce	none	53	54	48	155	51.66666667
female	group E	bachelor's degree	standard	none	100	100	100	300	100
male	group B	high school	standard	completed	72	65	68	205	68.33333333
male	group C	bachelor's degree	free/reduce	none	53	58	55	166	55.33333333

male	group B	some college	free/reduce	none	54	54	45	153	51
female	group E	some college	standard	none	71	70	76	217	72.33333333
female	group C	some college	free/reduce	none	77	90	91	258	86
male	group A	bachelor's degree	standard	completed	75	58	62	195	65
female	group C	some college	standard	none	84	87	91	262	87.33333333
female	group D	associate's degree	free/reduce	none	26	31	38	95	31.66666667
male	group A	high school	free/reduce	completed	72	67	65	204	68
female	group A	high school	free/reduce	completed	77	88	85	250	83.33333333
male	group C	some college	standard	none	91	74	76	241	80.33333333
female	group C	associate's degree	standard	completed	83	85	90	258	86
female	group C	high school	standard	none	63	69	74	206	68.66666667
female	group C	associate's degree	standard	completed	68	86	84	238	79.33333333
female	group D	some high school	standard	none	59	67	61	187	62.33333333
female	group B	associate's degree	standard	completed	90	90	91	271	90.33333333
female	group D	bachelor's degree	standard	completed	71	76	83	230	76.66666667
male	group E	bachelor's degree	standard	completed	76	62	66	204	68
male	group D	associate's degree	standard	none	80	68	72	220	73.33333333
female	group D	master's degree	standard	none	55	64	70	189	63
male	group E	associate's degree	standard	none	76	71	67	214	71.33333333
male	group B	high school	standard	completed	73	71	68	212	70.66666667
female	group D	associate's degree	free/reduce	none	52	59	56	167	55.66666667
male	group C	some college	free/reduce	none	68	68	61	197	65.66666667
male	group A	high school	standard	none	59	52	46	157	52.33333333
female	group B	associate's degree	standard	none	49	52	54	155	51.66666667
male	group C	high school	standard	none	70	74	71	215	71.66666667
male	group D	some college	free/reduce	none	61	47	56	164	54.66666667
female	group C	associate's degree	free/reduce	none	60	75	74	209	69.66666667
male	group B	some high school	standard	completed	64	53	57	174	58
male	group A	associate's degree	free/reduce	completed	79	82	82	243	81
female	group A	associate's degree	free/reduce	none	65	85	76	226	75.33333333
female	group C	associate's degree	standard	none	64	64	70	198	66
female	group C	some college	standard	none	83	83	90	256	85.33333333
female	group C	bachelor's degree	standard	none	81	88	90	259	86.33333333

female	group B	high school	standard	none	54	64	68	186	62
male	group D	high school	standard	completed	68	64	66	198	66
female	group C	some college	standard	none	54	48	52	154	51.33333333
female	group D	some college	free/reduce	completed	59	78	76	213	71
female	group B	some high school	standard	none	66	69	68	203	67.66666667
male	group E	some college	standard	none	76	71	72	219	73
female	group D	master's degree	standard	none	74	79	82	235	78.33333333
female	group B	associate's degree	standard	completed	94	87	92	273	91
male	group C	some college	free/reduce	none	63	61	54	178	59.33333333
female	group E	associate's degree	standard	completed	95	89	92	276	92
female	group D	master's degree	free/reduce	none	40	59	54	153	51
female	group B	some high school	standard	none	82	82	80	244	81.33333333
male	group A	high school	standard	none	68	70	66	204	68
male	group B	bachelor's degree	free/reduce	none	55	59	54	168	56
male	group C	master's degree	standard	none	79	78	77	234	78
female	group C	bachelor's degree	standard	none	86	92	87	265	88.33333333
male	group D	some college	standard	none	76	71	73	220	73.33333333
male	group A	some high school	standard	none	64	50	43	157	52.33333333
male	group D	some high school	free/reduce	none	62	49	52	163	54.33333333
female	group B	some high school	standard	completed	54	61	62	177	59
female	group B	master's degree	free/reduce	completed	77	97	94	268	89.33333333
female	group C	some high school	standard	completed	76	87	85	248	82.66666667
female	group D	some college	standard	none	74	89	84	247	82.33333333
female	group E	some college	standard	completed	66	74	73	213	71
female	group D	some high school	standard	completed	66	78	78	222	74
female	group B	high school	free/reduce	completed	67	78	79	224	74.66666667
male	group D	some college	standard	none	71	49	52	172	57.33333333
female	group C	associate's degree	standard	none	91	86	84	261	87
male	group D	bachelor's degree	standard	none	69	58	57	184	61.33333333
male	group C	master's degree	free/reduce	none	54	59	50	163	54.33333333
male	group C	high school	standard	completed	53	52	49	154	51.33333333
male	group E	some college	standard	none	68	60	59	187	62.33333333
male	group C	some high school	free/reduce	completed	56	61	60	177	59

female	group C	high school	free/reduce	none	36	53	43	132	44
female	group D	bachelor's degree	free/reduce	none	29	41	47	117	39
female	group C	associate's degree	standard	none	62	74	70	206	68.66666667
female	group C	associate's degree	standard	completed	68	67	73	208	69.33333333
female	group C	some high school	standard	none	47	54	53	154	51.33333333
male	group E	associate's degree	standard	completed	62	61	58	181	60.33333333
female	group E	associate's degree	standard	completed	79	88	94	261	87
male	group B	high school	standard	completed	73	69	68	210	70
female	group C	bachelor's degree	free/reduce	completed	66	83	83	232	77.33333333
male	group C	associate's degree	standard	completed	51	60	58	169	56.33333333
female	group D	high school	standard	none	51	66	62	179	59.66666667
male	group E	bachelor's degree	standard	completed	85	66	71	222	74
male	group A	associate's degree	standard	completed	97	92	86	275	91.66666667
male	group C	high school	standard	completed	75	69	68	212	70.66666667
male	group D	associate's degree	free/reduce	completed	79	82	80	241	80.33333333
female	group C	associate's degree	standard	none	81	77	79	237	79
female	group D	associate's degree	standard	none	82	95	89	266	88.66666667
female	group D	master's degree	standard	none	64	63	66	193	64.33333333
male	group E	some high school	free/reduce	completed	78	83	80	241	80.33333333
female	group A	some high school	standard	completed	92	100	97	289	96.33333333
male	group C	high school	standard	completed	72	67	64	203	67.66666667
female	group C	high school	free/reduce	none	62	67	64	193	64.33333333
male	group C	master's degree	standard	none	79	72	69	220	73.33333333
male	group C	some high school	free/reduce	none	79	76	65	220	73.33333333
male	group B	bachelor's degree	free/reduce	completed	87	90	88	265	88.33333333
female	group B	associate's degree	standard	none	40	48	50	138	46
male	group D	some college	free/reduce	none	77	62	64	203	67.66666667
male	group E	associate's degree	standard	none	53	45	40	138	46
female	group C	some college	free/reduce	none	32	39	33	104	34.66666667
female	group C	associate's degree	standard	completed	55	72	79	206	68.66666667
male	group C	master's degree	free/reduce	none	61	67	66	194	64.66666667
female	group B	associate's degree	free/reduce	none	53	70	70	193	64.33333333
male	group D	some high school	standard	none	73	66	62	201	67

female	group D	some college	standard	completed	74	75	79	228	76
female	group C	some college	standard	none	63	74	74	211	70.33333333
male	group C	bachelor's degree	standard	completed	96	90	92	278	92.66666667
female	group D	some college	free/reduce	completed	63	80	80	223	74.33333333
male	group B	bachelor's degree	free/reduce	none	48	51	46	145	48.33333333
male	group B	associate's degree	standard	none	48	43	45	136	45.33333333
female	group E	bachelor's degree	free/reduce	completed	92	100	100	292	97.33333333
female	group D	master's degree	free/reduce	completed	61	71	78	210	70
male	group B	high school	free/reduce	none	63	48	47	158	52.66666667
male	group D	bachelor's degree	free/reduce	none	68	68	67	203	67.66666667
male	group B	some college	standard	completed	71	75	70	216	72
male	group A	bachelor's degree	standard	none	91	96	92	279	93
female	group C	some college	standard	none	53	62	56	171	57
female	group C	high school	free/reduce	completed	50	66	64	180	60
female	group E	high school	standard	none	74	81	71	226	75.33333333
male	group A	associate's degree	free/reduce	completed	40	55	53	148	49.33333333
male	group A	some college	standard	completed	61	51	52	164	54.66666667
female	group B	high school	standard	none	81	91	89	261	87
female	group B	some college	free/reduce	completed	48	56	58	162	54
female	group D	master's degree	standard	none	53	61	68	182	60.66666667
female	group D	some high school	standard	none	81	97	96	274	91.33333333
female	group E	some high school	standard	none	77	79	80	236	78.66666667
female	group D	bachelor's degree	free/reduce	none	63	73	78	214	71.33333333
female	group D	associate's degree	standard	completed	73	75	80	228	76
female	group D	some college	standard	none	69	77	77	223	74.33333333
female	group C	associate's degree	standard	none	65	76	76	217	72.33333333
female	group A	high school	standard	none	55	73	73	201	67
female	group C	bachelor's degree	free/reduce	none	44	63	62	169	56.33333333
female	group C	some college	standard	none	54	64	65	183	61
female	group A	some high school	standard	none	48	66	65	179	59.66666667
male	group C	some college	free/reduce	none	58	57	54	169	56.33333333
male	group A	some high school	standard	none	71	62	50	183	61
male	group E	bachelor's degree	standard	none	68	68	64	200	66.66666667

female	group E	high school	standard	none	74	76	73	223	74.33333333
female	group C	bachelor's degree	standard	completed	92	100	99	291	97
female	group C	bachelor's degree	standard	completed	56	79	72	207	69
male	group B	high school	free/reduce	none	30	24	15	69	23
male	group A	some high school	standard	none	53	54	48	155	51.66666667
female	group D	high school	standard	none	69	77	73	219	73
female	group D	some high school	standard	none	65	82	81	228	76
female	group D	master's degree	standard	none	54	60	63	177	59
female	group C	high school	standard	none	29	29	30	88	29.33333333
female	group E	some college	standard	none	76	78	80	234	78
male	group D	high school	free/reduce	none	60	57	51	168	56
male	group D	master's degree	free/reduce	completed	84	89	90	263	87.66666667
male	group C	some high school	standard	none	75	72	62	209	69.66666667
female	group C	associate's degree	standard	none	85	84	82	251	83.66666667
female	group C	master's degree	free/reduce	none	40	58	54	152	50.66666667
female	group E	some college	standard	none	61	64	62	187	62.33333333
female	group B	associate's degree	standard	none	58	63	65	186	62
male	group D	some college	free/reduce	completed	69	60	63	192	64
female	group C	some college	standard	none	58	59	66	183	61
male	group C	bachelor's degree	standard	completed	94	90	91	275	91.66666667
female	group C	associate's degree	standard	none	65	77	74	216	72
female	group A	associate's degree	standard	none	82	93	93	268	89.33333333
female	group C	high school	standard	none	60	68	72	200	66.66666667
female	group E	bachelor's degree	standard	none	37	45	38	120	40
male	group D	bachelor's degree	standard	none	88	78	83	249	83
male	group D	master's degree	standard	none	95	81	84	260	86.66666667
male	group C	associate's degree	free/reduce	completed	65	73	68	206	68.66666667
female	group C	high school	free/reduce	none	35	61	54	150	50
male	group B	bachelor's degree	free/reduce	none	62	63	56	181	60.33333333
male	group C	high school	free/reduce	completed	58	51	52	161	53.66666667
male	group A	some college	standard	completed	100	96	86	282	94
female	group E	bachelor's degree	free/reduce	none	61	58	62	181	60.33333333
male	group D	some college	standard	completed	100	97	99	296	98.66666667

male	group B	associate's degree	free/reduce	completed	69	70	63	202	67.33333333
male	group D	associate's degree	standard	none	61	48	46	155	51.66666667
male	group D	some college	free/reduce	none	49	57	46	152	50.66666667
female	group C	some high school	standard	completed	44	51	55	150	50
male	group D	some college	standard	none	67	64	70	201	67
male	group B	high school	standard	none	79	60	65	204	68
female	group B	bachelor's degree	standard	completed	66	74	81	221	73.66666667
female	group C	high school	standard	none	75	88	85	248	82.66666667
male	group D	some high school	standard	none	84	84	80	248	82.66666667
male	group A	high school	standard	none	71	74	64	209	69.66666667
female	group B	high school	free/reduce	completed	67	80	81	228	76
female	group D	some high school	standard	completed	80	92	88	260	86.66666667
male	group E	some college	standard	none	86	76	74	236	78.66666667
female	group D	associate's degree	standard	none	76	74	73	223	74.33333333
male	group D	high school	standard	none	41	52	51	144	48
female	group D	associate's degree	free/reduce	completed	74	88	90	252	84
female	group B	some high school	free/reduce	none	72	81	79	232	77.33333333
female	group E	high school	standard	completed	74	79	80	233	77.66666667
male	group B	high school	standard	none	70	65	60	195	65
female	group B	bachelor's degree	standard	completed	65	81	81	227	75.66666667
female	group D	associate's degree	standard	none	59	70	65	194	64.66666667
female	group E	high school	free/reduce	none	64	62	68	194	64.66666667
female	group B	high school	standard	none	50	53	55	158	52.66666667
female	group D	some college	standard	completed	69	79	81	229	76.33333333
male	group C	some high school	free/reduce	completed	51	56	53	160	53.33333333
female	group A	high school	standard	completed	68	80	76	224	74.66666667
female	group D	some college	standard	completed	85	86	98	269	89.66666667
female	group A	associate's degree	standard	completed	65	70	74	209	69.66666667
female	group B	some high school	standard	none	73	79	79	231	77
female	group B	some college	standard	none	62	67	67	196	65.33333333
male	group C	associate's degree	free/reduce	none	77	67	64	208	69.33333333
male	group D	some high school	standard	none	69	66	61	196	65.33333333
female	group D	associate's degree	free/reduce	none	43	60	58	161	53.66666667

male	group D	associate's degree	standard	none	90	87	85	262	87.33333333
male	group C	some college	free/reduce	none	74	77	73	224	74.66666667
male	group C	some high school	standard	none	73	66	63	202	67.33333333
female	group D	some college	free/reduce	none	55	71	69	195	65
female	group C	high school	standard	none	65	69	67	201	67
male	group D	associate's degree	standard	none	80	63	63	206	68.66666667
female	group C	some high school	free/reduce	completed	50	60	60	170	56.66666667
female	group C	some college	free/reduce	completed	63	73	71	207	69
female	group B	bachelor's degree	free/reduce	none	77	85	87	249	83
male	group C	some college	standard	none	73	74	61	208	69.33333333
male	group D	associate's degree	standard	completed	81	72	77	230	76.66666667
female	group C	high school	free/reduce	none	66	76	68	210	70
male	group D	associate's degree	free/reduce	none	52	57	50	159	53
female	group C	some college	standard	none	69	78	76	223	74.33333333
female	group C	associate's degree	standard	completed	65	84	84	233	77.66666667
female	group D	high school	standard	completed	69	77	78	224	74.66666667
female	group B	some college	standard	completed	50	64	66	180	60
female	group E	some college	standard	completed	73	78	76	227	75.66666667
female	group C	some high school	standard	completed	70	82	76	228	76
male	group D	associate's degree	free/reduce	none	81	75	78	234	78
male	group D	some college	free/reduce	none	63	61	60	184	61.33333333
female	group D	high school	standard	none	67	72	74	213	71
male	group B	high school	standard	none	60	68	60	188	62.66666667
male	group B	high school	standard	none	62	55	54	171	57
female	group C	some high school	free/reduce	completed	29	40	44	113	37.66666667
male	group B	some college	standard	completed	62	66	68	196	65.33333333
female	group E	master's degree	standard	completed	94	99	100	293	97.66666667
male	group E	some college	standard	completed	85	75	68	228	76
male	group D	associate's degree	free/reduce	none	77	78	73	228	76
male	group A	high school	free/reduce	none	53	58	44	155	51.66666667
male	group E	some college	free/reduce	none	93	90	83	266	88.66666667
female	group C	associate's degree	standard	none	49	53	53	155	51.66666667
female	group E	associate's degree	free/reduce	none	73	76	78	227	75.66666667

female	group C	bachelor's degree	free/reduce	completed	66	74	81	221	73.66666667
female	group D	associate's degree	standard	none	77	77	73	227	75.66666667
female	group C	some high school	standard	none	49	63	56	168	56
female	group D	some college	free/reduce	none	79	89	86	254	84.66666667
female	group C	associate's degree	standard	completed	75	82	90	247	82.33333333
female	group A	bachelor's degree	standard	none	59	72	70	201	67
female	group D	associate's degree	standard	completed	57	78	79	214	71.33333333
male	group C	high school	free/reduce	none	66	66	59	191	63.66666667
female	group E	bachelor's degree	standard	completed	79	81	82	242	80.66666667
female	group B	some high school	standard	none	57	67	72	196	65.33333333
male	group A	bachelor's degree	standard	completed	87	84	87	258	86
female	group D	some college	standard	none	63	64	67	194	64.66666667
female	group B	some high school	free/reduce	completed	59	63	64	186	62
male	group A	bachelor's degree	free/reduce	none	62	72	65	199	66.33333333
male	group D	high school	standard	none	46	34	36	116	38.66666667
male	group C	some college	standard	none	66	59	52	177	59
male	group D	high school	standard	none	89	87	79	255	85
female	group D	associate's degree	free/reduce	completed	42	61	58	161	53.66666667
male	group C	some college	standard	completed	93	84	90	267	89
female	group E	some high school	standard	completed	80	85	85	250	83.33333333
female	group D	some college	standard	none	98	100	99	297	99
male	group D	master's degree	standard	none	81	81	84	246	82
female	group B	some high school	standard	completed	60	70	74	204	68
female	group B	associate's degree	free/reduce	completed	76	94	87	257	85.66666667
male	group C	associate's degree	standard	completed	73	78	72	223	74.33333333
female	group C	associate's degree	standard	completed	96	96	99	291	97
female	group C	high school	standard	none	76	76	74	226	75.33333333
male	group E	associate's degree	free/reduce	completed	91	73	80	244	81.33333333
female	group C	some college	free/reduce	none	62	72	70	204	68
male	group D	some high school	free/reduce	completed	55	59	59	173	57.66666667
female	group B	some high school	free/reduce	completed	74	90	88	252	84
male	group C	high school	standard	none	50	48	42	140	46.66666667
male	group B	some college	standard	none	47	43	41	131	43.66666667

male	group E	some college	standard	completed	81	74	71	226	75.33333333
female	group E	associate's degree	standard	completed	65	75	77	217	72.33333333
male	group E	some high school	standard	completed	68	51	57	176	58.66666667
female	group D	high school	free/reduce	none	73	92	84	249	83
male	group C	some college	standard	none	53	39	37	129	43
female	group B	associate's degree	free/reduce	completed	68	77	80	225	75
male	group A	some high school	free/reduce	none	55	46	43	144	48
female	group C	some college	standard	completed	87	89	94	270	90
male	group D	some high school	standard	none	55	47	44	146	48.66666667
female	group E	some college	free/reduce	none	53	58	57	168	56
male	group C	master's degree	standard	none	67	57	59	183	61
male	group C	associate's degree	standard	none	92	79	84	255	85
female	group B	some college	free/reduce	completed	53	66	73	192	64
male	group D	associate's degree	standard	none	81	71	73	225	75
male	group C	high school	free/reduce	none	61	60	55	176	58.66666667
male	group D	bachelor's degree	standard	none	80	73	72	225	75
female	group A	associate's degree	free/reduce	none	37	57	56	150	50
female	group C	high school	standard	none	81	84	82	247	82.33333333
female	group C	associate's degree	standard	completed	59	73	72	204	68
male	group B	some college	free/reduce	none	55	55	47	157	52.33333333
male	group D	associate's degree	standard	none	72	79	74	225	75
male	group D	high school	standard	none	69	75	71	215	71.66666667
male	group C	some college	standard	none	69	64	68	201	67
female	group C	bachelor's degree	free/reduce	none	50	60	59	169	56.33333333
male	group B	some college	standard	completed	87	84	86	257	85.66666667
male	group D	some high school	standard	completed	71	69	68	208	69.33333333
male	group E	some college	standard	none	68	72	65	205	68.33333333
male	group C	master's degree	free/reduce	completed	79	77	75	231	77
female	group C	some high school	standard	completed	77	90	85	252	84
male	group C	associate's degree	free/reduce	none	58	55	53	166	55.33333333
female	group E	associate's degree	standard	none	84	95	92	271	90.33333333
male	group D	some college	standard	none	55	58	52	165	55
male	group E	bachelor's degree	free/reduce	completed	70	68	72	210	70

female	group D	some college	free/reduce	completed	52	59	65	176	58.66666667
male	group B	some college	standard	completed	69	77	77	223	74.33333333
female	group C	high school	free/reduce	none	53	72	64	189	63
female	group D	some high school	standard	none	48	58	54	160	53.33333333
male	group D	some high school	standard	completed	78	81	86	245	81.66666667
female	group B	high school	standard	none	62	62	63	187	62.33333333
male	group D	some college	standard	none	60	63	59	182	60.66666667
female	group B	high school	standard	none	74	72	72	218	72.66666667
female	group C	high school	standard	completed	58	75	77	210	70
male	group B	high school	standard	completed	76	62	60	198	66
female	group D	some high school	standard	none	68	71	75	214	71.33333333
male	group A	some college	free/reduce	none	58	60	57	175	58.33333333
male	group B	high school	standard	none	52	48	49	149	49.66666667
male	group D	bachelor's degree	standard	none	75	73	74	222	74
female	group B	some high school	free/reduce	completed	52	67	72	191	63.66666667
female	group C	bachelor's degree	free/reduce	none	62	78	79	219	73
male	group B	some college	standard	none	66	65	60	191	63.66666667
female	group B	some high school	free/reduce	none	49	58	55	162	54
female	group B	high school	standard	none	66	72	70	208	69.33333333
female	group C	some college	free/reduce	none	35	44	43	122	40.66666667
female	group A	some college	standard	completed	72	79	82	233	77.66666667
male	group E	associate's degree	standard	completed	94	85	82	261	87
female	group D	associate's degree	free/reduce	none	46	56	57	159	53
female	group B	master's degree	standard	none	77	90	84	251	83.66666667
female	group B	high school	free/reduce	completed	76	85	82	243	81
female	group C	associate's degree	standard	completed	52	59	62	173	57.66666667
male	group C	bachelor's degree	standard	completed	91	81	79	251	83.66666667
female	group B	some high school	standard	completed	32	51	44	127	42.33333333
female	group E	some high school	free/reduce	none	72	79	77	228	76
female	group B	some college	standard	none	19	38	32	89	29.66666667
male	group C	associate's degree	free/reduce	none	68	65	61	194	64.66666667
female	group C	master's degree	free/reduce	none	52	65	61	178	59.33333333
female	group B	high school	standard	none	48	62	60	170	56.66666667

female	group D	some college	free/reduce	none	60	66	70	196	65.33333333
male	group D	high school	free/reduce	none	66	74	69	209	69.66666667
male	group E	some high school	standard	completed	89	84	77	250	83.33333333
female	group B	high school	standard	none	42	52	51	145	48.33333333
female	group E	associate's degree	free/reduce	completed	57	68	73	198	66
male	group D	high school	standard	none	70	70	70	210	70
female	group E	associate's degree	free/reduce	none	70	84	81	235	78.33333333
male	group E	some college	standard	none	69	60	54	183	61
female	group C	associate's degree	standard	none	52	55	57	164	54.66666667
male	group C	some high school	standard	completed	67	73	68	208	69.33333333
male	group C	some high school	standard	completed	76	80	73	229	76.33333333
female	group E	associate's degree	standard	none	87	94	95	276	92
female	group B	some college	standard	none	82	85	87	254	84.66666667
female	group C	some college	standard	none	73	76	78	227	75.66666667
male	group A	some college	free/reduce	none	75	81	74	230	76.66666667
female	group D	some college	free/reduce	none	64	74	75	213	71
female	group E	high school	free/reduce	none	41	45	40	126	42
male	group C	high school	standard	none	90	75	69	234	78
male	group B	bachelor's degree	standard	none	59	54	51	164	54.66666667
male	group A	some high school	standard	none	51	31	36	118	39.33333333
male	group A	high school	free/reduce	none	45	47	49	141	47
female	group C	master's degree	standard	completed	54	64	67	185	61.66666667
male	group E	some high school	standard	completed	87	84	76	247	82.33333333
female	group C	high school	standard	none	72	80	83	235	78.33333333
male	group B	some high school	standard	completed	94	86	87	267	89
female	group A	bachelor's degree	standard	none	45	59	64	168	56
male	group D	bachelor's degree	free/reduce	completed	61	70	76	207	69
female	group B	high school	free/reduce	none	60	72	68	200	66.66666667
female	group C	some high school	standard	none	77	91	88	256	85.33333333
female	group A	some high school	standard	completed	85	90	92	267	89
female	group D	bachelor's degree	free/reduce	none	78	90	93	261	87
male	group E	some college	free/reduce	completed	49	52	51	152	50.66666667
female	group B	high school	free/reduce	none	71	87	82	240	80

female	group C	some high school	free/reduce	none	48	58	52	158	52.66666667
male	group C	high school	standard	none	62	67	58	187	62.33333333
female	group C	associate's degree	free/reduce	completed	56	68	70	194	64.66666667
female	group C	some high school	standard	none	65	69	76	210	70
female	group D	some high school	free/reduce	completed	69	86	81	236	78.66666667
male	group B	some high school	standard	none	68	54	53	175	58.33333333
female	group A	some college	free/reduce	none	61	60	57	178	59.33333333
female	group C	bachelor's degree	free/reduce	completed	74	86	89	249	83
male	group A	bachelor's degree	standard	none	64	60	58	182	60.66666667
female	group B	high school	standard	completed	77	82	89	248	82.66666667
male	group B	some college	standard	none	58	50	45	153	51
female	group C	high school	standard	completed	60	64	74	198	66
male	group E	high school	standard	none	73	64	57	194	64.66666667
female	group A	high school	standard	completed	75	82	79	236	78.66666667
male	group B	associate's degree	free/reduce	completed	58	57	53	168	56
female	group C	associate's degree	standard	none	66	77	73	216	72
female	group D	high school	free/reduce	none	39	52	46	137	45.66666667
male	group C	some high school	standard	none	64	58	51	173	57.66666667
female	group B	high school	free/reduce	completed	23	44	36	103	34.33333333
male	group B	some college	free/reduce	completed	74	77	76	227	75.66666667
female	group D	some high school	free/reduce	completed	40	65	64	169	56.33333333
male	group E	master's degree	standard	none	90	85	84	259	86.33333333
male	group C	master's degree	standard	completed	91	85	85	261	87
male	group D	high school	standard	none	64	54	50	168	56
female	group C	high school	standard	none	59	72	68	199	66.33333333
male	group D	associate's degree	standard	none	80	75	69	224	74.66666667
male	group C	master's degree	standard	none	71	67	67	205	68.33333333
female	group A	high school	standard	none	61	68	63	192	64
female	group E	some college	standard	none	87	85	93	265	88.33333333
male	group E	some high school	standard	none	82	67	61	210	70
male	group C	some high school	standard	none	62	64	55	181	60.33333333
female	group B	bachelor's degree	standard	none	97	97	96	290	96.66666667
male	group B	some college	free/reduce	none	75	68	65	208	69.33333333

female	group C	bachelor's degree	standard	none	65	79	81	225	75
male	group B	high school	standard	completed	52	49	46	147	49
male	group C	associate's degree	free/reduce	none	87	73	72	232	77.33333333
female	group C	associate's degree	standard	none	53	62	53	168	56
female	group E	master's degree	free/reduce	none	81	86	87	254	84.66666667
male	group D	bachelor's degree	free/reduce	completed	39	42	38	119	39.66666667
female	group C	some college	standard	completed	71	71	80	222	74
male	group C	associate's degree	standard	none	97	93	91	281	93.66666667
male	group D	some college	standard	completed	82	82	88	252	84
male	group C	high school	free/reduce	none	59	53	52	164	54.66666667
male	group B	associate's degree	standard	none	61	42	41	144	48
male	group E	associate's degree	free/reduce	completed	78	74	72	224	74.66666667
male	group C	associate's degree	free/reduce	none	49	51	51	151	50.33333333
male	group B	high school	standard	none	59	58	47	164	54.66666667
female	group C	some college	standard	completed	70	72	76	218	72.66666667
male	group B	associate's degree	standard	completed	82	84	78	244	81.33333333
male	group E	associate's degree	free/reduce	none	90	90	82	262	87.33333333
female	group C	bachelor's degree	free/reduce	none	43	62	61	166	55.33333333
male	group C	some college	free/reduce	none	80	64	66	210	70
male	group D	some college	standard	none	81	82	84	247	82.33333333
male	group C	some high school	standard	none	57	61	54	172	57.33333333
female	group D	some high school	standard	none	59	72	80	211	70.33333333
female	group D	associate's degree	standard	none	64	76	74	214	71.33333333
male	group C	bachelor's degree	standard	completed	63	64	66	193	64.33333333
female	group E	bachelor's degree	standard	completed	71	70	70	211	70.33333333
female	group B	high school	free/reduce	none	64	73	71	208	69.33333333
male	group D	bachelor's degree	free/reduce	none	55	46	44	145	48.33333333
female	group E	associate's degree	standard	none	51	51	54	156	52
female	group C	associate's degree	standard	completed	62	76	80	218	72.66666667
female	group E	associate's degree	standard	completed	93	100	95	288	96
male	group C	high school	free/reduce	none	54	72	59	185	61.66666667
female	group D	some college	free/reduce	none	69	65	74	208	69.33333333
male	group D	high school	free/reduce	none	44	51	48	143	47.66666667

female	group E	some college	standard	completed	86	85	91	262	87.33333333
female	group E	associate's degree	standard	none	85	92	85	262	87.33333333
female	group A	master's degree	free/reduce	none	50	67	73	190	63.33333333
male	group D	some high school	standard	completed	88	74	75	237	79
female	group E	associate's degree	standard	none	59	62	69	190	63.33333333
female	group E	some high school	free/reduce	none	32	34	38	104	34.66666667
male	group B	high school	free/reduce	none	36	29	27	92	30.66666667
female	group B	some high school	free/reduce	completed	63	78	79	220	73.33333333
male	group D	associate's degree	standard	completed	67	54	63	184	61.33333333
female	group D	some high school	standard	completed	65	78	82	225	75
male	group D	master's degree	standard	none	85	84	89	258	86
female	group C	master's degree	standard	none	73	78	74	225	75
female	group A	high school	free/reduce	completed	34	48	41	123	41
female	group D	bachelor's degree	free/reduce	completed	93	100	100	293	97.66666667
female	group D	some high school	free/reduce	none	67	84	84	235	78.33333333
male	group D	some college	standard	none	88	77	77	242	80.66666667
male	group B	high school	standard	none	57	48	51	156	52
female	group D	some college	standard	completed	79	84	91	254	84.66666667
female	group C	bachelor's degree	free/reduce	none	67	75	72	214	71.33333333
male	group E	bachelor's degree	standard	completed	70	64	70	204	68
male	group D	bachelor's degree	free/reduce	none	50	42	48	140	46.66666667
female	group A	some college	standard	none	69	84	82	235	78.33333333
female	group C	bachelor's degree	standard	completed	52	61	66	179	59.66666667
female	group C	bachelor's degree	free/reduce	completed	47	62	66	175	58.33333333
female	group B	associate's degree	free/reduce	none	46	61	55	162	54
female	group E	some college	standard	none	68	70	66	204	68
male	group E	bachelor's degree	standard	completed	100	100	100	300	100
female	group C	high school	standard	none	44	61	52	157	52.33333333
female	group C	associate's degree	standard	completed	57	77	80	214	71.33333333
male	group B	some college	standard	completed	91	96	91	278	92.66666667
male	group D	high school	free/reduce	none	69	70	67	206	68.66666667
female	group C	high school	free/reduce	none	35	53	46	134	44.66666667
male	group D	high school	standard	none	72	66	66	204	68

female	group B	associate's degree	free/reduce	none	54	65	65	184	61.33333333
male	group D	high school	free/reduce	none	74	70	69	213	71
male	group E	some high school	standard	completed	74	64	60	198	66
male	group E	associate's degree	free/reduce	none	64	56	52	172	57.33333333
female	group D	high school	free/reduce	completed	65	61	71	197	65.66666667
male	group E	associate's degree	free/reduce	completed	46	43	44	133	44.33333333
female	group C	some high school	free/reduce	none	48	56	51	155	51.66666667
male	group C	some college	free/reduce	completed	67	74	70	211	70.33333333
male	group D	some college	free/reduce	none	62	57	62	181	60.33333333
male	group D	associate's degree	free/reduce	completed	61	71	73	205	68.33333333
male	group C	bachelor's degree	free/reduce	completed	70	75	74	219	73
male	group C	associate's degree	standard	completed	98	87	90	275	91.66666667
male	group D	some college	free/reduce	none	70	63	58	191	63.66666667
male	group A	associate's degree	standard	none	67	57	53	177	59
female	group E	high school	free/reduce	none	57	58	57	172	57.33333333
male	group D	some college	standard	completed	85	81	85	251	83.66666667
male	group D	some high school	standard	completed	77	68	69	214	71.33333333
male	group C	master's degree	free/reduce	completed	72	66	72	210	70
female	group D	master's degree	standard	none	78	91	96	265	88.33333333
male	group C	high school	standard	none	81	66	64	211	70.33333333
male	group A	some high school	free/reduce	completed	61	62	61	184	61.33333333
female	group B	high school	standard	none	58	68	61	187	62.33333333
female	group C	associate's degree	standard	none	54	61	58	173	57.66666667
male	group B	high school	standard	none	82	82	80	244	81.33333333
female	group D	some college	free/reduce	none	49	58	60	167	55.66666667
male	group B	some high school	free/reduce	completed	49	50	52	151	50.33333333
female	group E	high school	free/reduce	completed	57	75	73	205	68.33333333
male	group E	high school	standard	none	94	73	71	238	79.33333333
female	group D	some college	standard	completed	75	77	83	235	78.33333333
female	group E	some high school	free/reduce	none	74	74	72	220	73.33333333
male	group C	high school	standard	completed	58	52	54	164	54.66666667
female	group C	some college	standard	none	62	69	69	200	66.66666667
male	group E	associate's degree	standard	none	72	57	62	191	63.66666667

male	group C	some college	standard	none	84	87	81	252	84
female	group D	master's degree	standard	none	92	100	100	292	97.33333333
female	group D	high school	standard	none	45	63	59	167	55.66666667
male	group C	high school	standard	none	75	81	71	227	75.66666667
female	group A	some college	standard	none	56	58	64	178	59.33333333
female	group D	some high school	free/reduce	none	48	54	53	155	51.66666667
female	group E	associate's degree	standard	none	100	100	100	300	100
female	group C	some high school	free/reduce	completed	65	76	75	216	72
male	group D	some college	standard	none	72	57	58	187	62.33333333
female	group D	some college	standard	none	62	70	72	204	68
male	group A	some high school	standard	completed	66	68	64	198	66
male	group C	some college	standard	none	63	63	60	186	62
female	group E	associate's degree	standard	none	68	76	67	211	70.33333333
female	group B	bachelor's degree	standard	none	75	84	80	239	79.66666667
female	group D	bachelor's degree	standard	none	89	100	100	289	96.33333333
male	group C	some high school	standard	completed	78	72	69	219	73
female	group A	high school	free/reduce	completed	53	50	60	163	54.33333333
female	group D	some college	free/reduce	none	49	65	61	175	58.33333333
female	group A	some college	standard	none	54	63	67	184	61.33333333
female	group C	some college	standard	completed	64	82	77	223	74.33333333
male	group B	some college	free/reduce	completed	60	62	60	182	60.66666667
male	group C	associate's degree	standard	none	62	65	58	185	61.66666667
male	group D	high school	standard	completed	55	41	48	144	48
female	group C	associate's degree	standard	none	91	95	94	280	93.33333333
female	group B	high school	free/reduce	none	8	24	23	55	18.33333333
male	group D	some high school	standard	none	81	78	78	237	79
male	group B	some high school	standard	completed	79	85	86	250	83.33333333
female	group A	some college	standard	completed	78	87	91	256	85.33333333
female	group C	some high school	standard	none	74	75	82	231	77
male	group A	high school	standard	none	57	51	54	162	54
female	group C	associate's degree	standard	none	40	59	51	150	50
male	group E	some high school	standard	completed	81	75	76	232	77.33333333
female	group A	some high school	free/reduce	none	44	45	45	134	44.66666667

female	group D	some college	free/reduce completed	67	86	83	236	78.66666667
male	group E	high school	free/reduce completed	86	81	75	242	80.66666667
female	group B	some high school	standard completed	65	82	78	225	75
female	group D	associate's degree	free/reduce none	55	76	76	207	69
female	group D	bachelor's degree	free/reduce none	62	72	74	208	69.33333333
male	group A	high school	standard none	63	63	62	188	62.66666667
female	group E	master's degree	standard completed	88	99	95	282	94
male	group C	high school	free/reduce none	62	55	55	172	57.33333333
female	group C	high school	free/reduce completed	59	71	65	195	65
female	group D	some college	standard completed	68	78	77	223	74.33333333
female	group D	some college	free/reduce none	77	86	86	249	83

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```
!pip install pandas matplotlib seaborn
```

```
Requirement already satisfied: pandas in /usr/local/lib/python3.11/dist-packages (2.2.2)
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Requirement already satisfied: packaging>=20.0 in /usr/local/lib/python3.11/dist-packages (from matplotlib) (25.0)
Requirement already satisfied: pillow>=8 in /usr/local/lib/python3.11/dist-packages (from matplotlib) (11.3.0)
Requirement already satisfied: pyparsing>=2.3.1 in /usr/local/lib/python3.11/dist-packages (from matplotlib) (3.2.3)
Requirement already satisfied: six>=1.5 in /usr/local/lib/python3.11/dist-packages (from python-dateutil>=2.8.2->pandas) (1.17.0)
```

```
import pandas as pd
import matplotlib.pyplot as plt
import seaborn as sns
```

```
# Load the dataset (make sure it's uploaded or in the same folder)
df = pd.read_csv("StudentsPerformance.csv")
```

```
# View first 5 rows
df.head()
```

	gender	race/ethnicity	parental level of education	lunch	test preparation course	math score	reading score	writing score
0	female	group B	bachelor's degree	standard	none	72	72	74
1	female	group C	some college	standard	completed	69	90	88
2	female	group B	master's degree	standard	none	90	95	93
3	male	group A	associate's degree	free/reduced	none	47	57	44

Next steps: [Generate code with df](#) [View recommended plots](#) [New interactive sheet](#)

```
df.columns = [col.lower().replace(" ", "_") for col in df.columns]
df.columns
```

```
df["total_score"] = df["math_score"] + df["reading_score"] + df["writing_score"]
df["average_score"] = df["total_score"] / 3
```

```
df["math_above_90"] = df["math_score"] > 90
display(df[["math_score", "reading_score", "writing_score", "total_score", "average_score", "math_above_90"]].head()) # Display head to c
```

```
gender_avg = df.groupby("gender")["average_score"].mean()
print(gender_avg)
sns.barplot(x="gender", y="average_score", data=df)
plt.title("Average Score by Gender")
plt.ylabel("Average Score")
plt.show()
```

```
edu_avg = df.groupby("parental_level_of_education")["average_score"].mean().sort_values(ascending=False)
print(edu_avg)
```

```
print(df["math_above_90"].value_counts())
```

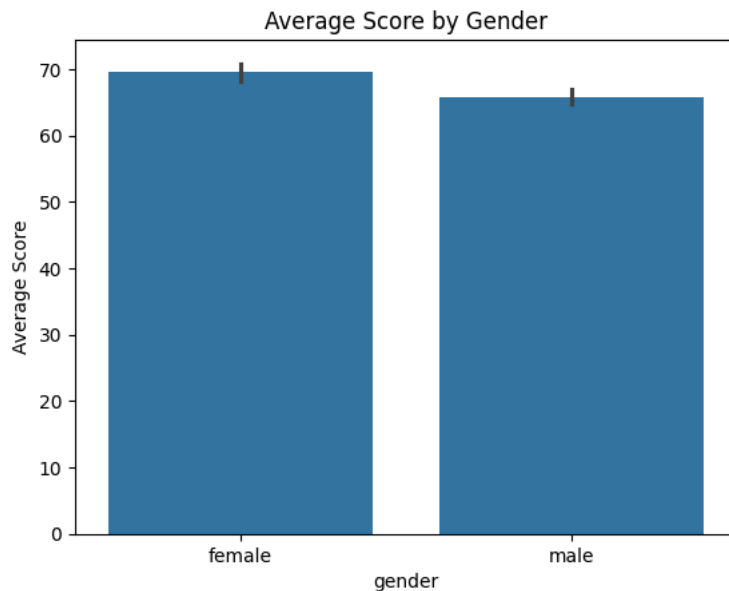
	math_score	reading_score	writing_score	total_score	average_score	math_above_90
0	72	72	74	218	72.666667	False
1	69	90	88	247	82.333333	False
2	90	95	93	278	92.666667	False
3	47	57	44	148	49.333333	False
4	76	78	75	229	76.333333	False

gender

female 69.569498

male 65.837483

Name: average_score, dtype: float64



parental_level_of_education

master's degree 73.598870

bachelor's degree 71.923729

associate's degree 69.569069

some college 68.476401

some high school 65.108007

high school 63.096939

Name: average_score, dtype: float64

math_above_90

False 950

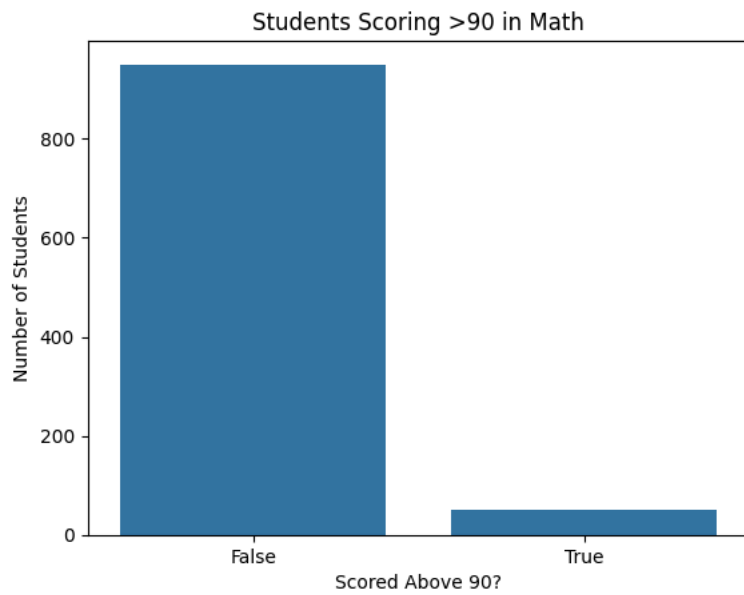
True 50

Name: count, dtype: int64

```

sns.countplot(x="math_above_90", data=df)
plt.title("Students Scoring >90 in Math")
plt.xlabel("Scored Above 90?")
plt.ylabel("Number of Students")
plt.show()
sns.boxplot(data=df[["math_score", "reading_score", "writing_score"]])
plt.title("Subject Score Distribution")
plt.show()

```



Student Performance Dashboard

69.17

Average Reading Score

Total Score

203K

Sum of Total Score

68.05

Average Writing Score

66.09

Average Math Score

Gender

gender

All

Parental Level of Education

All

