

PyCity Schools Analysis

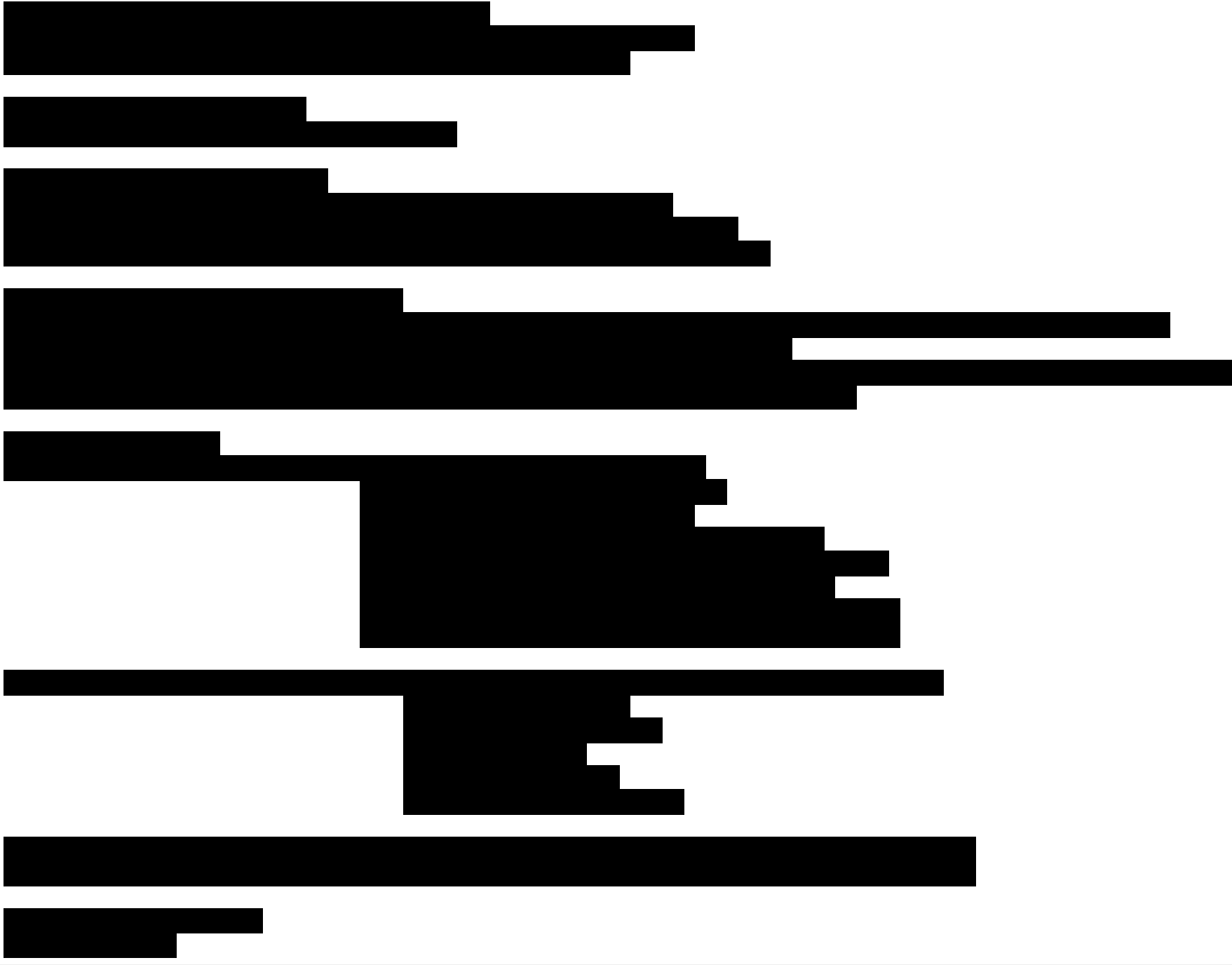
- OBSERVED TREND 1
- OBSERVED TREND 2
- OBSERVED TREND 3

In [38]:



District Summary

In [39]:



Out[39]:

	Total Schools	Total Students	Total Budget	Average Math Score	Average Reading Score	% Passing Math	% Passing Reading	% Overall Passing Rate
0	11	27,712	\$17,702,929.00	82.164802	82.190279	83.689376	75.187644	82.17754

School Summary

In [40]:



Out[40]:

	School Type	Total Students	Total School Budget	Per Student Budget	Average Math Score	Average Reading Score	% Passing Math	% Passing Reading	% Overall Passing Rate
Farmer High School	District	3429	\$3,429.00	\$652.00	81.594051	77.017498	81.160688	64.333625	72.747157
Floyd High School	Charter	2104	\$2,104.00	\$582.00	83.028042	93.966255	90.304183	100.000000	95.152091
Greene High School	District	4690	\$4,690.00	\$653.00	81.695522	76.807463	81.044776	63.944563	72.494670
Hood High School	Charter	930	\$930.00	\$622.00	83.574194	94.077419	89.354839	100.000000	94.677419
Long High School	Charter	628	\$628.00	\$587.00	83.068471	93.810510	89.171975	100.000000	94.585987
Lopez High School	District	3428	\$3,428.00	\$656.00	81.725788	76.875146	81.096849	64.498250	72.797550
Patterson High School	District	4389	\$4,389.00	\$658.00	81.481431	76.644566	80.428344	63.249032	71.838688
Stewart High School	Charter	1208	\$1,208.00	\$613.00	83.774007	94.120033	91.142384	100.000000	95.571192
Thompson High School	Charter	1353	\$1,353.00	\$620.00	83.515891	94.115299	91.278640	100.000000	95.639320
Vargas High School	Charter	2479	\$2,479.00	\$635.00	83.576442	93.961678	90.480032	100.000000	95.240016
Webb High School	District	3074	\$3,074.00	\$632.00	81.415420	76.558230	78.985036	63.175016	71.080026

Top Performing Schools (By Passing Rate)

In [41]:



Out[41]:

	School Type	Total Students	Total School Budget	Per Student Budget	Average Math Score	Average Reading Score	% Passing Math	% Passing Reading	% Overall Passing Rate
Thompson High School	Charter	1353	\$1,353.00	\$620.00	83.515891	94.115299	91.278640	100.0	95.639320
Stewart High School	Charter	1208	\$1,208.00	\$613.00	83.774007	94.120033	91.142384	100.0	95.571192
Vargas High School	Charter	2479	\$2,479.00	\$635.00	83.576442	93.961678	90.480032	100.0	95.240016
Floyd High School	Charter	2104	\$2,104.00	\$582.00	83.028042	93.966255	90.304183	100.0	95.152091
Hood High School	Charter	930	\$930.00	\$622.00	83.574194	94.077419	89.354839	100.0	94.677419

Bottom Performing Schools (By Passing Rate)

In [42]:

	School Type	Total Students	Total School Budget	Per Student Budget	Average Math Score	Average Reading Score	% Passing Math	% Passing Reading	% Overall Passing Rate
Webb High School	District	3074	\$3,074.00	\$632.00	81.415420	76.558230	78.985036	63.175016	71.080026
Patterson High School	District	4389	\$4,389.00	\$658.00	81.481431	76.644566	80.428344	63.249032	71.838688
Greene High School	District	4690	\$4,690.00	\$653.00	81.695522	76.807463	81.044776	63.944563	72.494670
Farmer High School	District	3429	\$3,429.00	\$652.00	81.594051	77.017498	81.160688	64.333625	72.747157
Lopez High School	District	3428	\$3,428.00	\$656.00	81.725788	76.875146	81.096849	64.498250	72.797550

Out[42]:

### Math Scores by Grade

In [43]:

Out[43]:

	9th	10th	11th	12th
Farmer High School	82.016704	81.556962	81.430851	81.303191
Floyd High School	83.216981	82.911972	82.986434	83.002041
Greene High School	81.614241	80.940242	82.149020	82.293458
Hood High School	84.632911	83.254125	83.777228	82.537234
Long High School	83.763158	81.970060	84.052632	82.611465
Lopez High School	82.011494	81.554985	81.524057	81.791495
Patterson High School	81.156846	81.797034	81.576271	81.374348
Stewart High School	83.750000	84.240132	83.346614	83.685121
Thompson High School	83.377095	83.132791	83.831126	83.811728
Vargas High School	83.813918	83.087912	83.396414	84.068027
Webb High School	81.058824	81.468439	81.349254	81.854790

Reading Score by Grade

In [44]:

Out[44]:

	9th	10th	11th	12th
Farmer High School	77.700445	76.520935	76.553191	77.344415
Floyd High School	93.933962	93.859155	93.955426	94.136735
Greene High School	77.118936	76.895613	76.508824	76.611215
Hood High School	94.320675	94.099010	94.108911	93.702128
Long High School	93.789474	93.532934	94.032895	93.910828
Lopez High School	76.580982	77.644399	77.697009	75.367627
Patterson High School	76.660581	76.145980	76.820975	77.116788
Stewart High School	94.186813	94.171053	93.896414	94.176471
Thompson High School	94.136872	94.252033	93.930464	94.108025
Vargas High School	93.922844	93.943681	94.009960	93.986395
Webb High School	76.165666	76.706534	77.198507	76.205090

Scores by School Spending

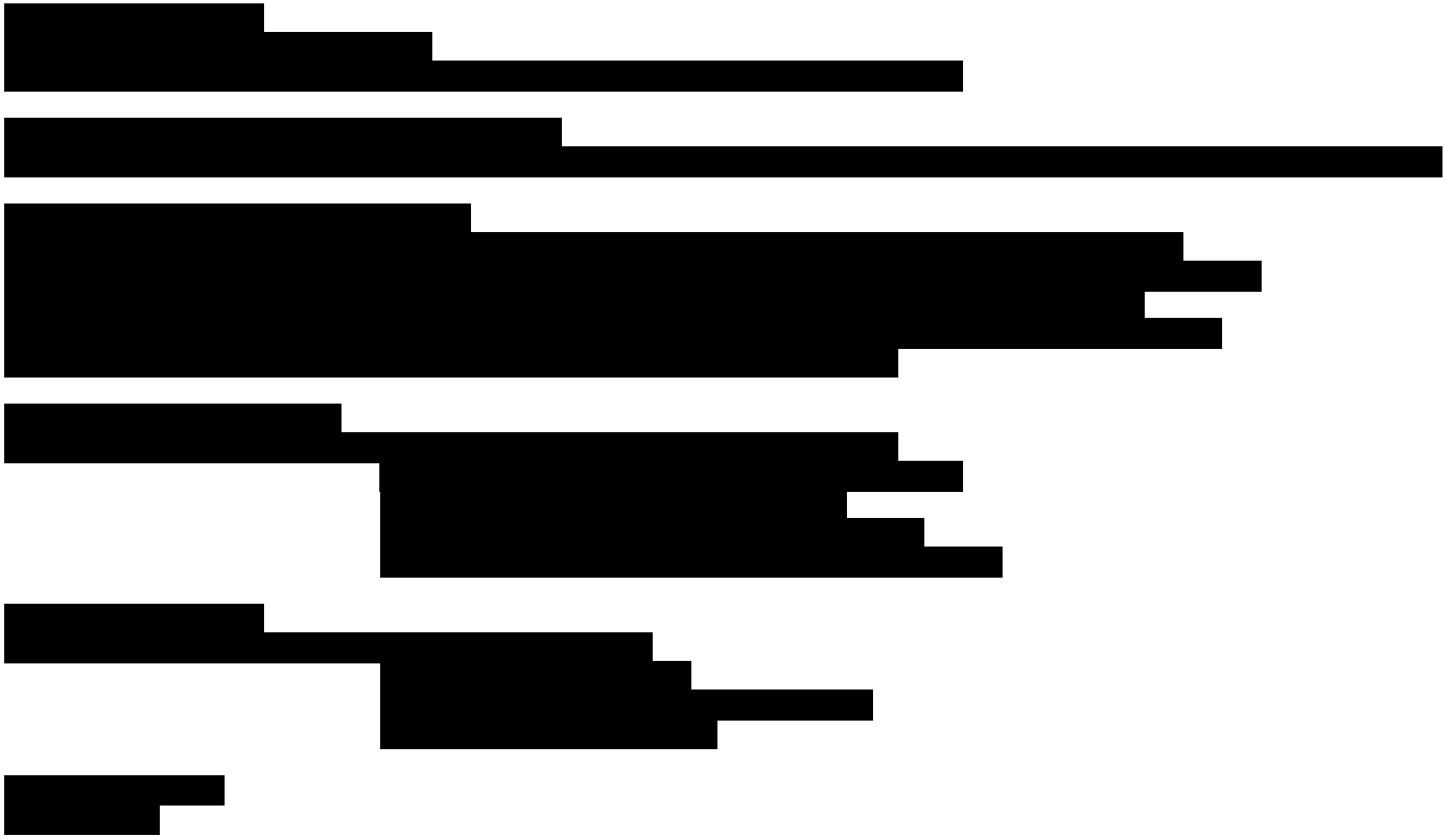
In [45]:

Out[45]:

	Average Math Score	Average Reading Score	% Passing Math	% Passing Reading	% Overall Passing Rate
Spending Ranges (Per Student)					
<\$585	83.028042	93.966255	90.304183	100.000000	88.497148
\$585-615	83.421239	93.965271	90.157179	100.000000	88.693255
\$615-645	83.020486	89.678157	87.524637	90.793754	86.349322
\$645-675	81.624198	76.836168	80.932664	64.006367	79.230183

Scores by School Size

In [46]:



Out[46]:

	Average Math Score	Average Reading Score	% Passing Math	% Passing Reading	% Overall Passing Rate
School Size					
Small (<1000)	83.321332	93.943964	89.263407	100.000000	94.631703
Medium (1000-2000)	83.644949	94.117666	91.210512	100.000000	95.605256
Large (2000-5000)	82.073814	81.690119	83.357130	74.171498	78.764314

Scores by School Type

In [47]:



Out[47]:

	Average Math Score	Average Reading Score	% Passing Math	% Passing Reading	% Overall Passing Rate
School Type					
Charter	83.422841	94.008532	90.288675	100.000000	95.144338
District	81.582442	76.780581	80.543139	63.840097	72.191618