model	train r2	train rmse	test r2	test rmse
simple - w - 100	0.79	0.23	0.74	0.25
simple - m- 100	0.74	0.21	0.61	0.29
simple - w - pv	0.97	0.24	0.86	0.19
simple - m - pv	0.97	0.24	0.98	0.19
simple - w - 5k	0.69	25.5	0.57	29
simple - m - 5k	0.65	25	0.69	32.2
simple - w - tj	0.96	0.46	0.65	0.47
simple - m - tj	0.98	0.52	0.57	0.65
frosh - w - 100	0.6	0.33	0.5	0.3
frosh+soph - w -100	0.79	0.24	0.64	0.27
soph+jr - w - 100	0.79	0.24	0.74	0.25
jr - w -100	0.75	0.25	0.78	0.26
w/ sq. terms - w - 100	0.78	0.24	0.83	0.22
ridge regression (alpha = 0.05) - w - 100	0.794651	0.23583128	0.72413695	0.24434484

model	train r2	train rmse	test r2	test rmse		ridge - no school used			
simple - w - 100	0.99	8.02E-08	0.52429	0.320869					
simple - m- 100	0.99	4.38E-08	0.256662	0.334662					
simple - w - 5k	0.99	1.60E-05	0.162138	198.040768					
simple - m - 5k	0.99	4.23E-06	0.464924	36.971454					
simple - w - pv	0.99	1.81E-07	-0.475936	0.395972					
simple - m - pv	0.99	1.56E-07	0.070962	1.950868					
simple - w - tj	0.99	1.29E-07	0.907186	1.211311					
simple - m - tj	0.99	2.23E-07	-2.201308	1.837482					
ridge - w - 100	0.983313	0.067228	0.552597	0.311176		0.903437	0.161719	0.459045	0.342166
ridge - m- 100	0.983983	0.053818	0.263737	0.333065		0.917717	0.12198	0.270916	0.331437
ridge - w - 5k	0.974372	24.919863	0.138293	200.839034		0.904451	48.117001	0.251276	187.210117
ridge - m - 5k	0.983818	5.666076	0.441677	37.766066		0.933233	11.509252	0.354216	40.616502
ridge - w - pv	0.977523	0.227141	-0.471857	0.395425		0.916636	0.437438	-0.150756	0.349641
ridge - m - pv	0.973852	0.259674	0.068096	1.953874		0.902722	0.500864	0.047112	1.97575
ridge - w - tj	0.977405	0.278904	0.83848	1.597947		0.899365	0.588606	0.865923	1.455882
ridge - m - tj	0.975017	0.790541	-1.726793	1.695842		0.901936	1.566231	-1.643686	1.6698
lasso - w - 100	0.818926	0.221455	0.328783	0.381143					
lasso - m- 100	0.940657	0.10359	0.074236	0.373476					
lasso - w - 5k	0.619305	96.044808	0.633043	131.061677					
lasso - m - 5k	0.373458	35.25661	0.346015	40.873579					
lasso - w - pv	0.992125	0.134451	0.523857	0.224905					
lasso - m - pv	0.996621	0.093346	-0.000636	2.024646					
lasso - w - tj	0.914765	0.5417	0.958912	0.805946					
lasso - m - tj	0.999958	0.03254	0.366965	0.817096					
(tried with school, bad results so we dropped it									
KNN regressor - same order									
0	0.563047	0.344012	0.29993	0.389249					
1	0.513103	0.296723	0.1556	0.356687					
2	0.21563	137.862317	0.140175	200.619594					
3	0.422778	33.840503	0.124715	47.286109					

4	0.474338	1.098451	-1.689344	0.534508
5	0.390529	1.253683	-0.01713	2.041264
6	0.09662	1.763541	0.39949	3.081127
	0.292456	4.207055	4.680489	2.447667

Ridge Regression- w - 100	test r2	
alpha		
0	77.5312	
0.05	**77.5311**	
0.1	77.5309	
0.15	77.53081	
0.2	77.5306044	
0.25	77.530363	
0.3	77.5300908	
0.35	77.5297863	
0.4	77.52945	
** note - used 5 fold cross validation to get these estimates		