## Impact of Each Feature on the Prediction Variable

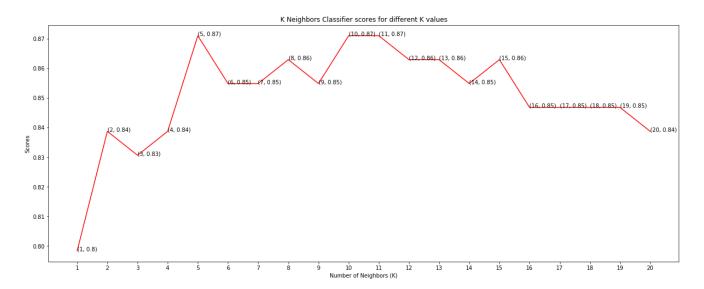
Delay	-0.007311
Gender (Male)	0.068131
Gender (Female)	-0.068131
Age	0.042020
Mini Mental State Examination	0.056126
Clinical Dementia Rating	0.393081
Estimated Total Intracranial Volume	-0.430935
Normalize Whole Brain Volume	-0.062057
Atlas Scaling Factor	-0.336954

## Statistics of Data

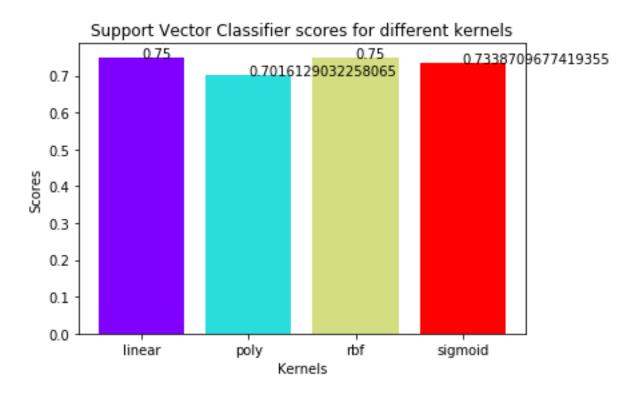
	Target	Delay	Age	EDUC	MMSE	CDR	eTIV	nWBV	AS0	Visit_1
count	373	3.73E+02	373							
mean	0.589812	-3.27E-17	-4.26E-16	-8.27E-17	6.44E-16	-4.94E-17	7.62E-17	-4.47E-16	8.34E-16	0.402145
std	0.664461	1.00E+00	0.490989							
min	0	-9.38E-01	-2.23E+00	-2.99E+00	-6.36E+00	-7.78E-01	-2.17E+00	-2.31E+00	-2.32E+00	0
25%	0	-9.38E-01	-7.88E-01	-9.04E-01	-9.28E-02	-7.78E-01	-7.45E-01	-7.97E-01	-6.99E-01	0
50%	0	-6.79E-02	-1.76E-03	1.40E-01	4.52E-01	-7.78E-01	-1.03E-01	-1.53E-02	-1.06E-02	0
75%	1	4.38E-01	6.53E-01	4.88E-01	7.25E-01	5.59E-01	6.19E-01	7.13E-01	7.07E-01	1
max	2	3.22E+00	2.75E+00	2.93E+00	7.25E-01	4.57E+00	2.93E+00	2.90E+00	2.84E+00	1

	Visit_2	Visit_3	Visit_4	Visit_5	Gender_0	Gender_1	SES_1.0	SES_2.0	SES_3.0	SES_4.0	SES_5.0
count	373	373	373	373	373	373	373	373	373	373	373
mean	0.386059	0.155496	0.040214	0.016086	0.571046	0.428954	0.235925	0.276139	0.219839	0.198391	0.018767
std	0.487498	0.362864	0.196726	0.125975	0.495592	0.495592	0.425146	0.447687	0.414694	0.399324	0.135883
min	0	0	0	0	0	0	0	0	0	0	0
25%	0	0	0	0	0	0	0	0	0	0	0
50%	0	0	0	0	1	0	0	0	0	0	0
75%	1	0	0	0	1	1	0	1	0	0	0
max	1	1	1	1	1	1	1	1	1	1	1

## Accuracy Scores of KNN Algorithm when Number of Neighbors Changed



Accuracy Scores of SVM when Different Kernels were used



Error Values for Each Algorithm

	Linear Regression	K-Nearest Neighbors	Support Vector Machine
Root Mean Square Error	0.30399743103099924	0.2839809171235324	0.2978416985906353