Cross Validation Function

Linear	2^log2c	Accuracy
	-5	93
	-4.5	**93.56**
	-3	92.48
	-1	91.56
	1	91.09
	3	91.04
	5	91.04
	7	91.04
	9	91.04
	11	91.04
	13	91.04
	15	91.04

2^log2c and Accuracy

Result on Train Data

Kernel: Linear Higest Accuracy on Test Data		
- c	cost	0.05
Accuracy		**93.58%**

Poly 2	2^log2c / 2^log2g	-15	-13	-11	-9	-7	-5	-3	-1	1	3
-r (coef0) : 0	-5	11.62	11.62	11.62	11.62	78.13	93.25	96.05	96.05	96.05	96.05
	-3	11.62	11.62	11.62	34.29	89.08	95.15	96.05	96.05	96.05	96.05
	-1	11.62	11.62	11.62	78.13	93.25	96.09	96.05	96.05	96.05	96.05
	1	11.62	11.62	11.62	78.13	93.25	96.09	96.05	96.05	96.05	96.05
	3	11.62	11.62	34.29	89.08	95.15	96.09	96.05	96.05	96.05	96.05
	5	11.62	34.29	89.09	95.15	96.09	96.05	96.05	96.05	96.05	96.05
	7	11.62	78.13	93.25	96.09	96.05	96.05	96.05	96.05	96.05	96.05
	9	34.29	89.08	95.15	96.09	96.05	96.05	96.05	96.05	96.05	96.05
	11	78.13	93.25	96.09	96.05	96.05	96.05	96.05	96.05	96.05	96.05
	13	89.08	95.15	**96.1**	96.05	96.05	96.05	96.05	96.05	96.05	96.05
	15	11.62	96.09	96.05	96.05	96.05	96.05	96.05	96.05	96.05	96.05

Kernel: Polynomial Degree: 2 Higest Accuracy on Test Data		
- c	cost	8192
- g	gamma	0.00048
- r	coeff0	0
Accuracy		**96.59 %**

Poly 4	2^log2c / 2^log2g	-15	-13	-11	-9	-7	-5	-3	-1	1	3
-r (coef0) : 0	-5	11.49	11.49	11.49	11.49	34.44	92.29	93.63	93.65	93.65	93.65
	-3	11.49	11.49	11.49	11.49	62.09	93.79	93.65	93.65	93.65	93.65
	-1	11.49	11.49	11.49	11.71	79.21	93.32	**93.92**	93.65	93.65	93.65
	1	11.49	11.49	11.49	15.87	88.46	93.71	93.65	93.65	93.65	93.65
	3	11.49	11.49	11.49	34.44	92.29	93.63	93.65	93.65	93.65	93.65
	5	11.49	11.49	11.49	62.09	93.79	93.65	93.65	93.65	93.65	93.65
	7	11.49	11.49	11.71	79.21	93.92	93.65	93.65	93.65	93.65	93.65
	9	11.49	11.49	15.87	88.46	93.71	93.65	93.65	93.65	93.65	93.65
	11	11.49	11.49	34.44	92.29	93.63	93.65	93.65	93.65	93.65	93.65
	13	11.49	11.49	62.09	93.79	93.65	93.65	93.65	93.65	93.65	93.65
	15	11.49	11.71	79.21	93.92	93.65	93.65	93.65	93.65	93.65	93.65

Kernel: Polynomial Degree: 4 Higest Accuracy on Test Data		
- c	cost	0.5
- g	gamma	0.125
- r	coeff0	1
Accuracy		**96.52%**

Radial	2^log2c / 2^log2g	-4	-3	-2	-1	0	1
	-1	93.74	47.7	20	18.09	11.62	11.62
	0	95.59	79.82	34.65	18.76	11.64	11.62
	1	95.77	81.11	38.82	19.12	11.62	11.62
	2	95.77	81.11	38.82	19.12	11.64	11.62
	3	**95.77**	81.11	38.82	19.12	11.64	11.62

Kernel: Radial basis Higest Accuracy on Test Data		
- c	cost	8
- g	gamma	0.5
Accuracy		**96.76%**