

Model	J_{test}	$J_{\text{validation}}$	J_{test}	Adjusted R^2_{test}
Original Data	46.246	33.505	26.345	0.627
Squared Data	56.029	41.820		
Original Data + Squared Data	55.974	41.632		

Model	W_0	W_1	W_2	W_3	W_4	W_5	W_6
Original Data	-0.428	4.647	-0.257	-0.006195	0.7773	236.055	-125.090
Squared Data	0.000326	0.000251	-0.004927	-8.126	0.1483	6.376	-0.335
Original Data + Squared Data	0.00031514	0.0002457	-0.004847	-8.05832	0.135157	6.20277	-0.3344216