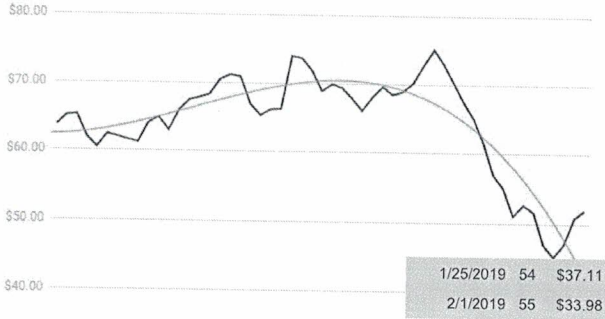


### Oil Prices | 3rd degree polynomial

DCOILWTCO  $= 62.4 + 0.0405x + 0.0287x^2 + -7.06E-04x^3$   $R^2 = 0.792$



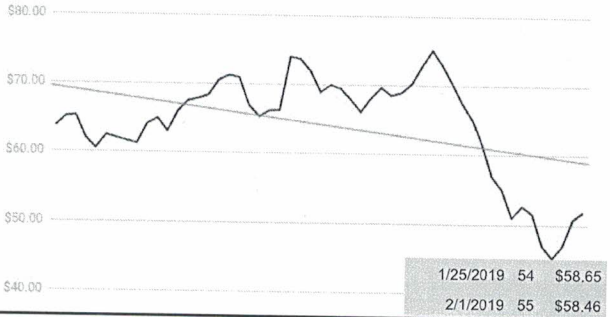
### S&P 500 | 3rd degree polynomial

Close  $= 2769 + 10.9x + -0.248x^2 + 1.21E-03x^3$   $R^2 = 0.818$



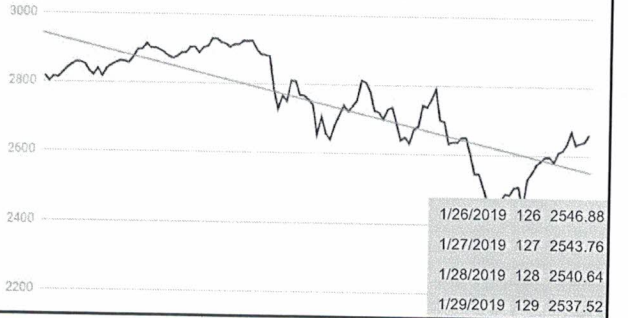
### Oil Prices | Linear

DCOILWTCO  $= -0.199x + 69.4$   $R^2 = 0.168$

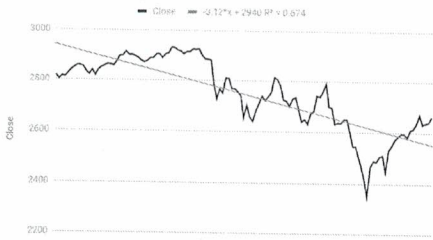


### S&P 500 | Linear

Close  $= -3.12x + 2940$   $R^2 = 0.674$



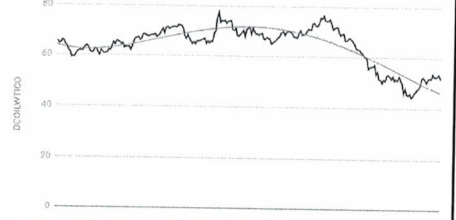
### Close



LINEAR				
MAD		RMSE		
Forecast	Actuals	abs(act-for)	act-for	(act-for)^2
2548.28	2632.90	84.619902	84.62	7160.527814
2545.02	2638.70	93.679951	93.68	8775.933219
2541.76	2642.33	100.570078	100.57	10114.34059
2538.5	2664.76	126.26001	126.26	15941.59013
sum=		405.129941	sum=	41992.39175
(avg)	MAD=	101.2824853	avg=	10498.09794
		(sqrt)	RMSE=	102.4602261

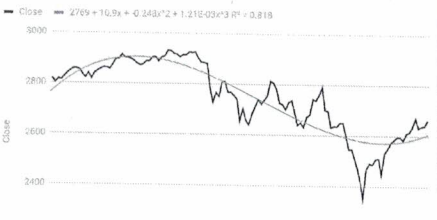
### DCOILWTCO

DCOILWTCO  $= 63.9 + 0.758x + 4.98E-03x^2 + -3.29E-05x^3 + 5.73E-05x^4$   $R^2 = 0.773$



MAD		RMSE		
Forecast	Actual	abs(act-for)	act-for	(act-for)^2
43.94214911	52.44	8.49785089	8.49785089	72.21346974
43.7294671	52.94	9.210532899	9.210532899	84.83391628
43.521824	53.53	10.008176	10.008176	100.1635968
43.31937989	51.79	8.470620107	8.470620107	71.75140499
sum=		36.18717989	sum=	328.9623779
(avg)	MAD=	9.046794974	avg=	82.24059446
		(sqrt)	RMSE=	9.06866015

### Close



POLYNOMIAL				
MAD		RMSE		
Forecast	Actuals	abs(act-for)	act-for	(act-for)^2
2604.74408	2632.90	28.155822	28.16	792.7503125
2609.35707	2638.70	29.342881	29.34	861.0046654
2614.36704	2642.33	27.963038	27.96	781.9314942
2619.78125	2664.76	44.97876	44.98	2023.088851
sum=		130.440501	sum=	4458.775323
(avg)	MAD=	32.61012525	avg=	1114.693831
		(sqrt)	RMSE=	33.38703088