

Exercise 1. Following tables and figures are the result of computations using the code included in [this repository](#).

1. DATA

		Obs	Mean	Std. Dev.	Min	Max
EMS Technologies Inc	ppeg	28	65.587	35.843	5.021	119.547
	inv_rate	28	0.183	0.165	0.067	0.760
	cash_flow	28	0.122	0.053	0.060	0.226
	tobin_q_lag	28	0.885	1.569	-0.530	5.004
Atwood Oceanics Inc.	ppeg	28	351.544	256.491	126.435	1131.700
	inv_rate	28	0.118	0.112	0.002	0.409
	cash_flow	28	0.143	0.103	-0.029	0.350
	tobin_q_lag	28	0.297	0.731	-0.423	2.382
Raytheon Technologies Corp	ppeg	28	9498.077	3078.630	4092.137	15106.000
	inv_rate	28	0.101	0.034	0.049	0.162
	cash_flow	28	0.098	0.028	-0.016	0.126
	tobin_q_lag	28	0.092	0.975	-0.999	2.007

2. PLOTS

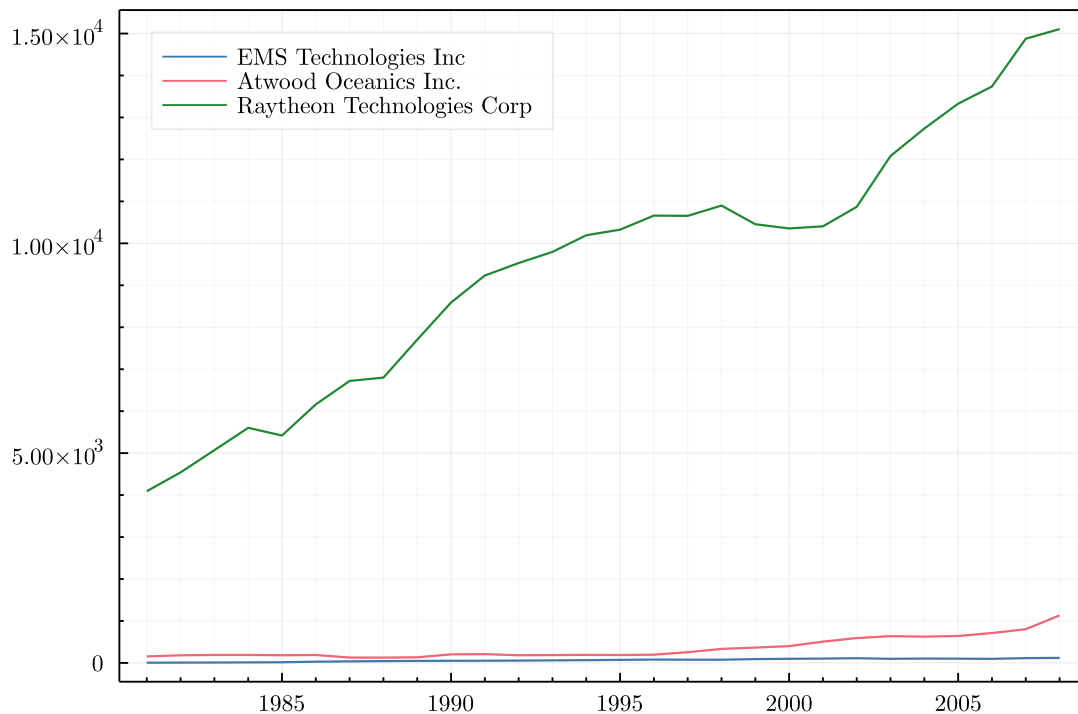


FIGURE 1. EMS Technologies Inc.

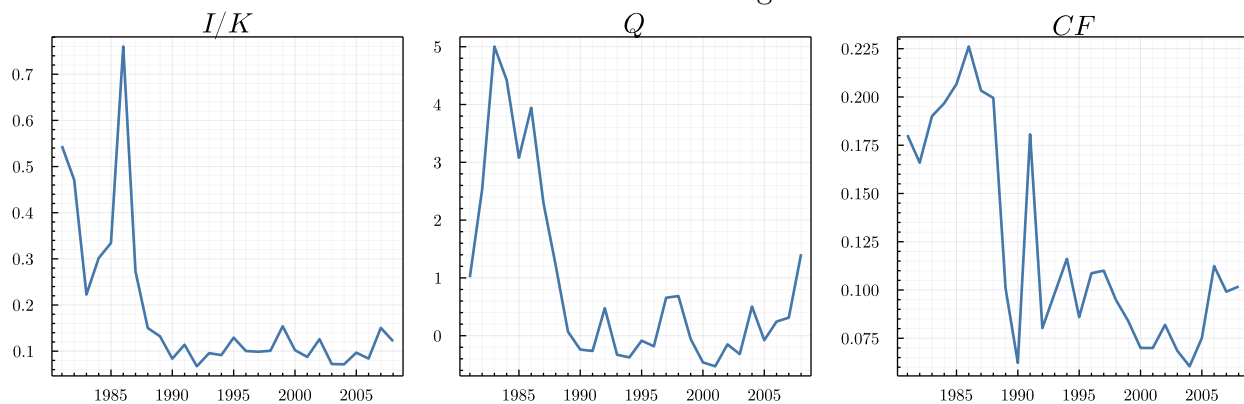


FIGURE 2. Atwood Oceanics Inc.

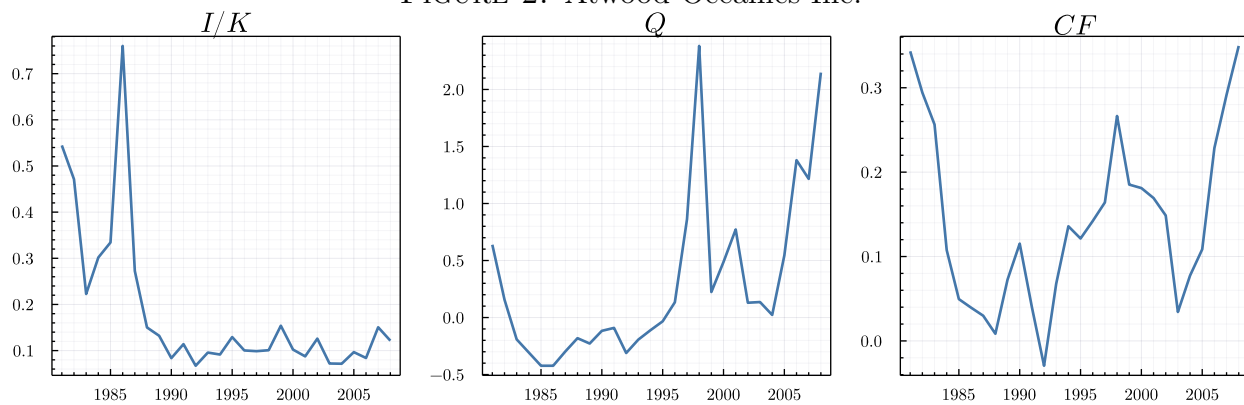
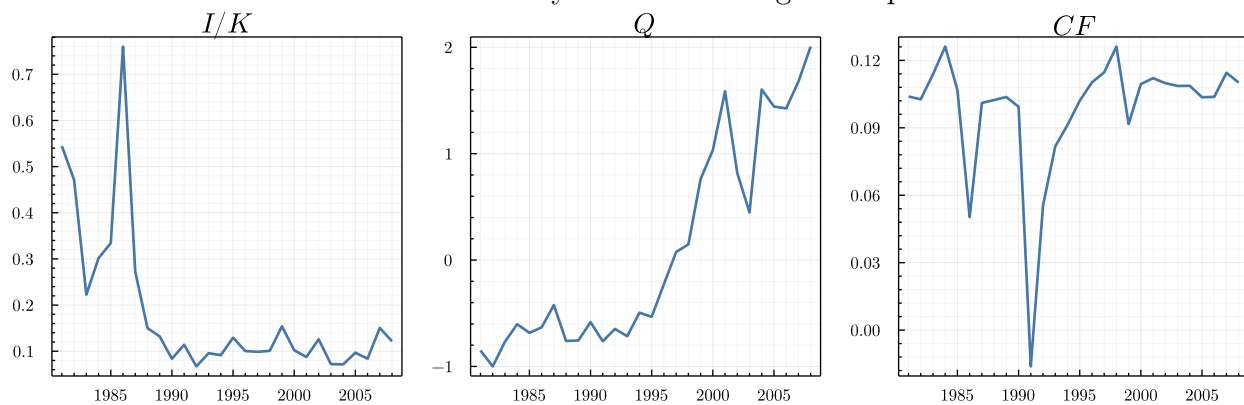


FIGURE 3. Raytheon Technologies Corp.



3. REGRESSIONS

3.1. $\beta_2 = 0$.

	EMS Technologies Inc	Atwood Oceanics Inc.	Raytheon Technologies Corp
(Intercept)	0.122*** (0.027)	0.083*** (0.015)	0.103*** (0.005)
tobin_q_lag	0.070*** (0.015)	0.118*** (0.019)	-0.024*** (0.005)
N	28	28	28
R^2	0.442	0.596	0.457

3.2. $\beta_2 \neq 0$.

	EMS Technologies Inc	Atwood Oceanics Inc.	Raytheon Technologies Corp
(Intercept)	-0.041 (0.070)	0.048* (0.025)	0.101*** (0.019)
tobin_q_lag	0.026 (0.022)	0.087*** (0.026)	-0.024*** (0.005)
cash_flow	1.639** (0.660)	0.311 (0.185)	0.026 (0.192)
N	28	28	28
R^2	0.552	0.637	0.457