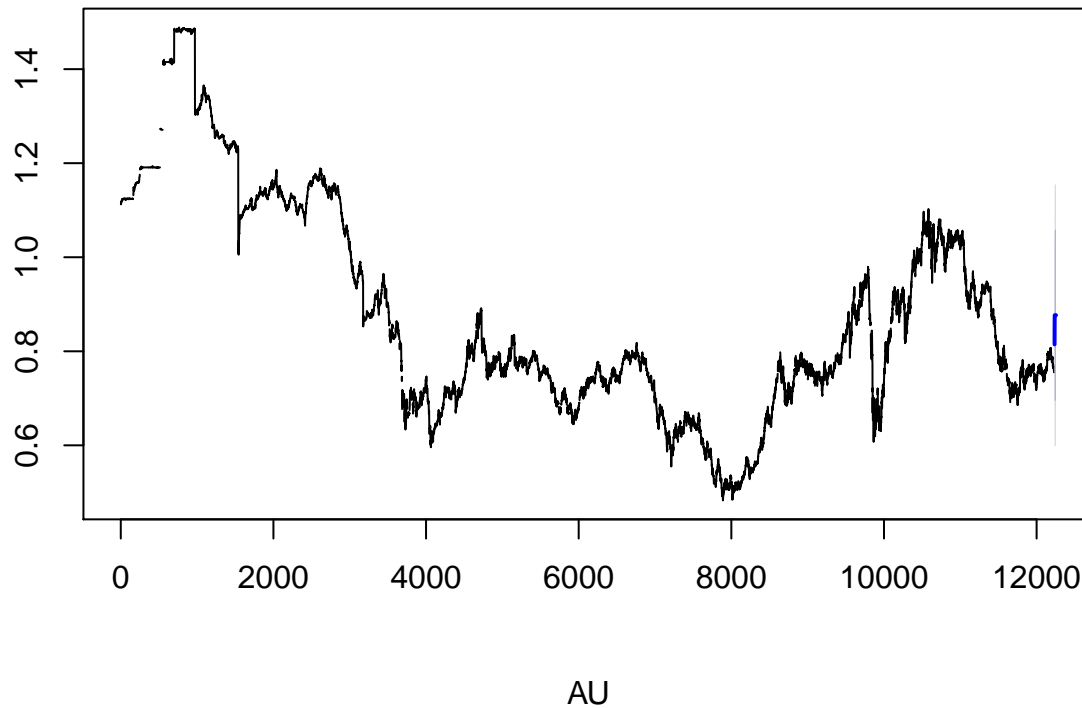


Final Project - ARIMA Models

David Modjeska and Dominic Murphy, Harvard CS102, Autumn 2017

December 2017

Forecasts from ARIMA(0,0,2) with non-zero mean



ARIMA FIT

Series: y

ARIMA(0,0,2) with non-zero mean

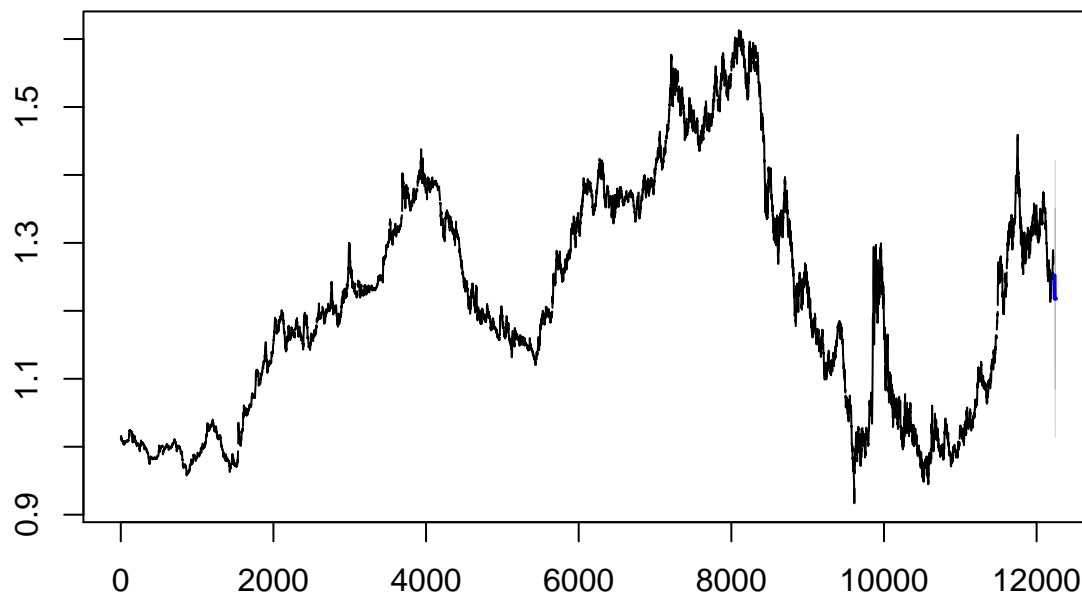
Coefficients:

	ma1	ma2	mean
	1.7871	0.9469	0.8767
s.e.	0.0066	0.0041	0.0022

sigma² estimated as 0.003948: log likelihood=14728.14

AIC=-29448.28 AICc=-29448.28 BIC=-29418.64

Forecasts from ARIMA(0,0,2) with non-zero mean



CA

ARIMA FIT

Series: y

ARIMA(0,0,2) with non-zero mean

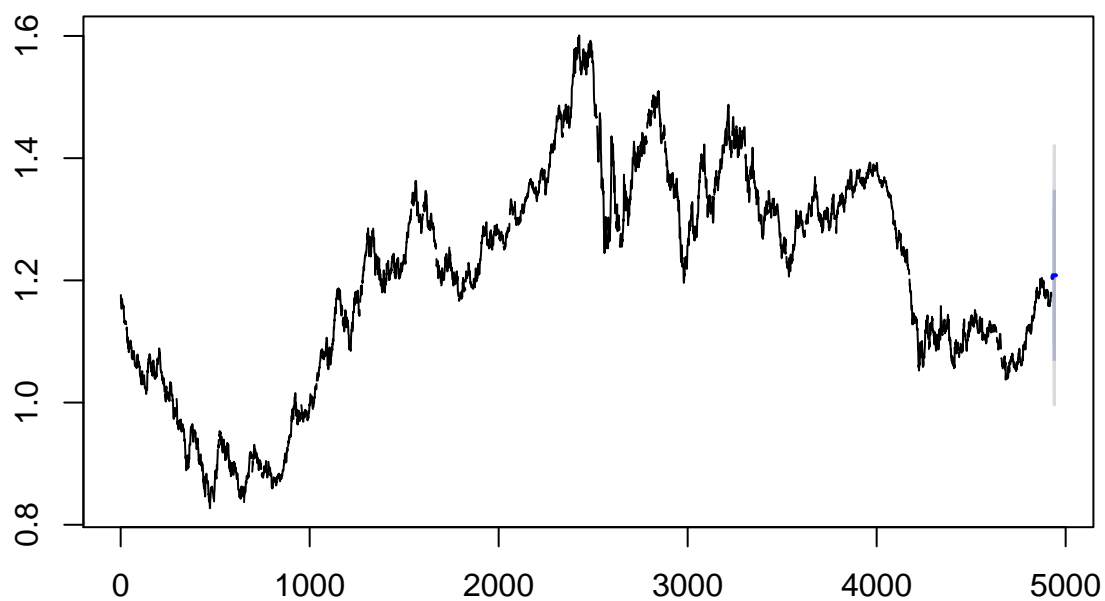
Coefficients:

	ma1	ma2	mean
	1.7454	0.9451	1.2179
s.e.	0.0056	0.0038	0.0016

sigma^2 estimated as 0.002199: log likelihood=18264.67

AIC=-36521.34 AICc=-36521.34 BIC=-36491.69

Forecasts from ARIMA(0,0,2) with non-zero mean



EU

ARIMA FIT

Series: y

ARIMA(0,0,2) with non-zero mean

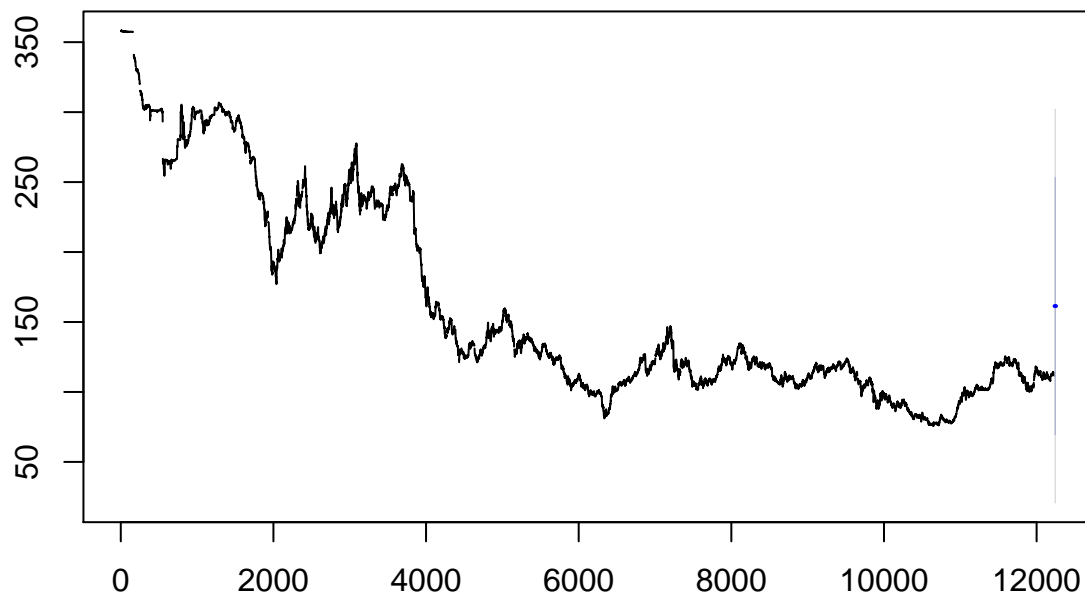
Coefficients:

	ma1	ma2	mean
	1.6703	0.9186	1.2083
s.e.	0.0087	0.0068	0.0026

sigma^2 estimated as 0.002577: log likelihood=7044.6

AIC=-14081.2 AICc=-14081.19 BIC=-14055.18

Forecasts from ARIMA(0,0,0) with non-zero mean



JP

ARIMA FIT

Series: y

ARIMA(0,0,0) with non-zero mean

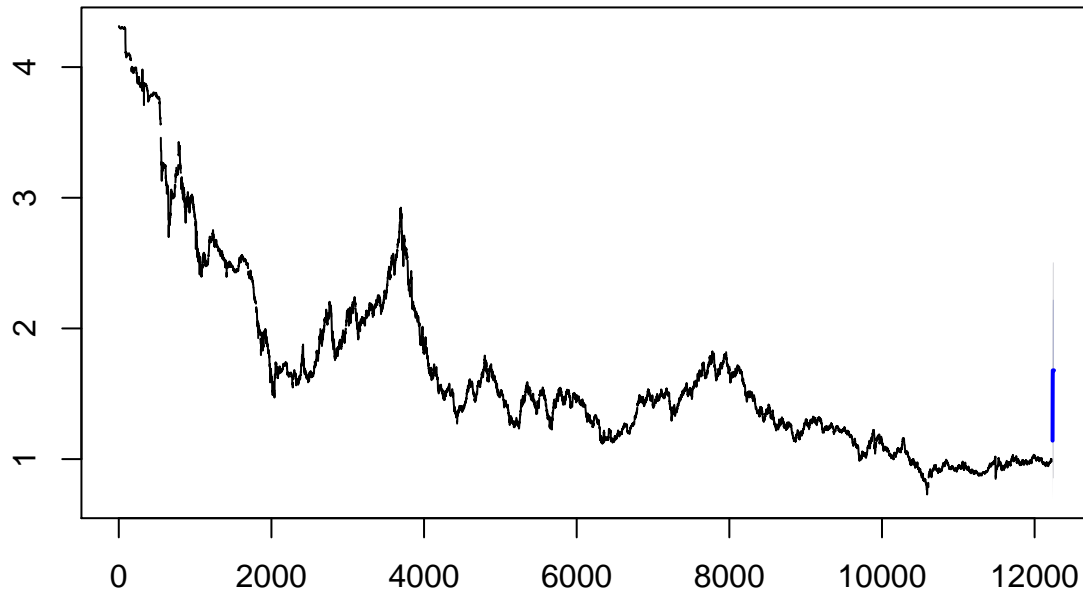
Coefficients:

	mean
	161.3986
s.e.	0.6762

sigma² estimated as 5171: log likelihood=-67213.57

AIC=134431.1 AICc=134431.1 BIC=134446

Forecasts from ARIMA(0,0,3) with non-zero mean



CH

ARIMA FIT

Series: y

ARIMA(0,0,3) with non-zero mean

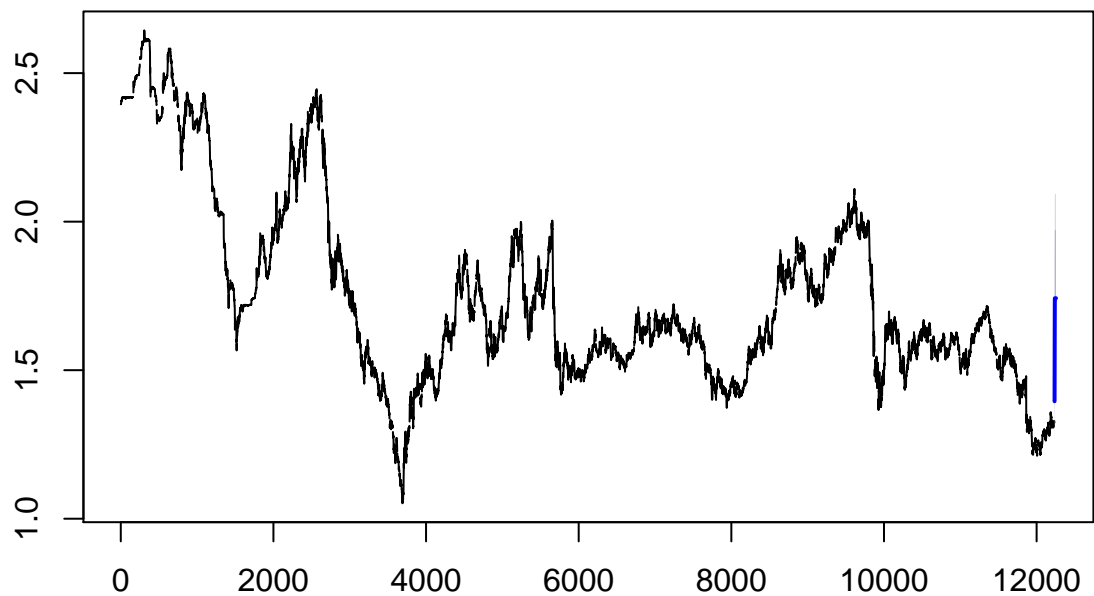
Coefficients:

	ma1	ma2	ma3	mean
	2.3208	2.2427	0.8955	1.6792
s.e.	0.0053	0.0068	0.0042	0.0072

sigma² estimated as 0.01453: log likelihood=7039.83

AIC=-14069.66 AICc=-14069.65 BIC=-14032.6

Forecasts from ARIMA(0,0,4) with non-zero mean



UK

ARIMA FIT

Series: y

ARIMA(0,0,4) with non-zero mean

Coefficients:

	ma1	ma2	ma3	ma4	mean
	2.2902	2.7861	2.0108	0.7368	1.7422
s.e.	0.0086	0.0129	0.0098	0.0061	0.0034

sigma² estimated as 0.001725: log likelihood=19827.84

AIC=-39643.69 AICc=-39643.68 BIC=-39599.22