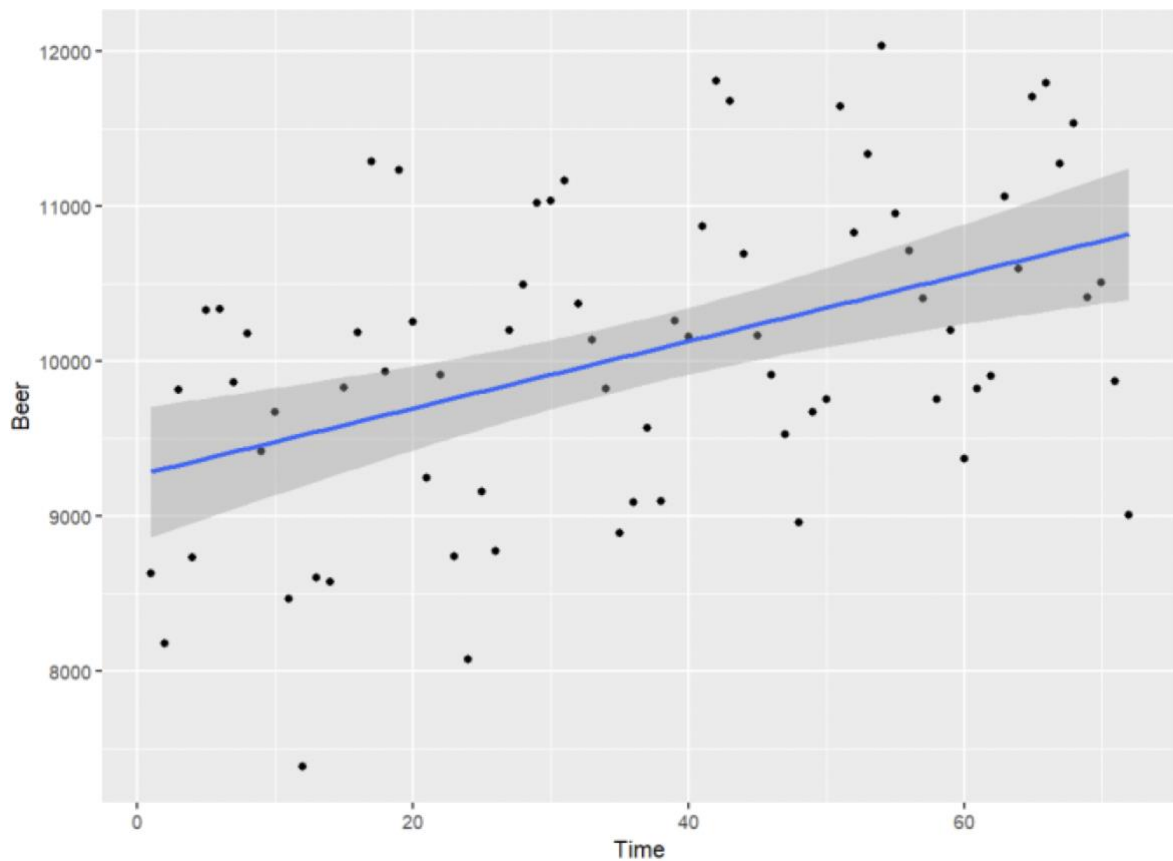


예측분석 4번째 과제

M83330 신지유

1번 문제

(1)



(2)

Residuals:

Min	1Q	Median	3Q	Max
-776.59	-185.28	-22.33	195.09	727.75

Coefficients:

	Estimate	Std. Error	t value	Pr(> t)
(Intercept)	9322.163	170.834	54.568	< 2e-16 ***
Time	24.912	2.388	10.430	1.89e-14 ***
factor(Month)Aug	325.057	222.981	1.458	0.150802
factor(Month)Dec	-1641.190	222.981	-7.360	1.19e-09 ***
factor(Month)Feb	-1070.676	212.609	-5.036	5.85e-06 ***

factor(Month)Jan	-848.431	212.676	-3.989	0.000205	***
factor(Month)Jul	886.169	223.045	3.973	0.000216	***
factor(Month)Jun	939.010	212.609	4.417	4.98e-05	***
factor(Month)Mar	326.579	212.569	1.536	0.130404	
factor(Month)May	899.421	212.569	4.231	9.26e-05	***
factor(Month)Nov	-1026.479	222.943	-4.604	2.63e-05	***
factor(Month)Oct	-353.567	222.930	-1.586	0.118689	
factor(Month)Sep	-267.255	222.943	-1.199	0.235954	

(3)

RMSE는 329.9127

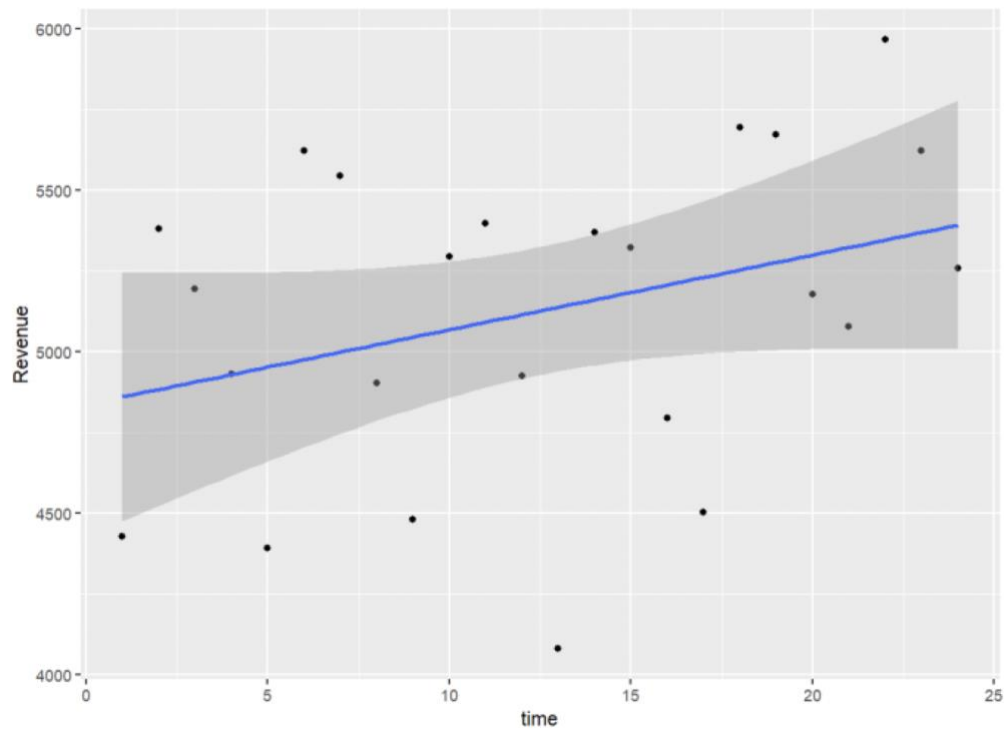
(4)

2000.7	2000.8	2000.9	2000.10	2000.11	2000.12
11877.427	11341.227	10773.827	10712.427	10064.427	9474.627

(5) RMSE는 370.2409

2번 문제

(1)



(2)

0.8770195, 1.0849127, 1.0690730, 0.9689947

(3)

절편 4961.712, 기울기 4.406

(4)

2005 1분기: 4448.131

2005 2분기: 5507.320

2005 3분기: 5431.624

2005 4분기: 4927.427