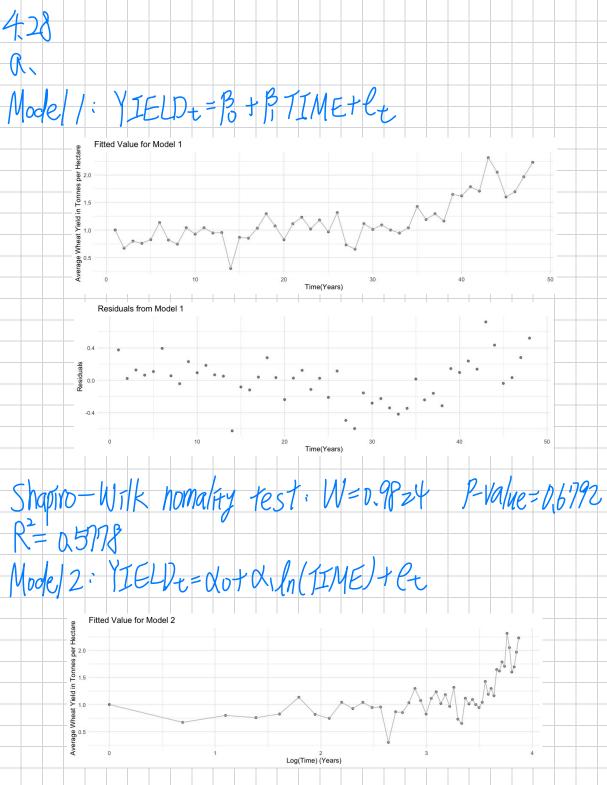
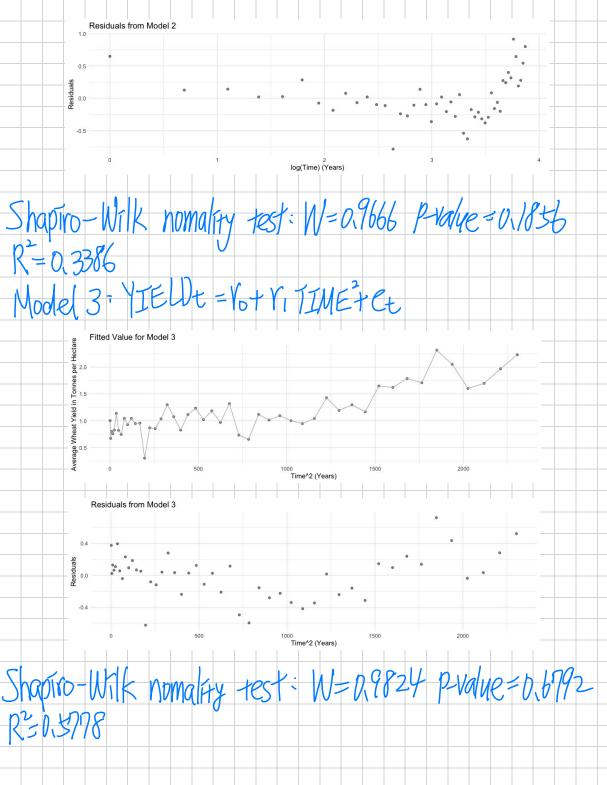
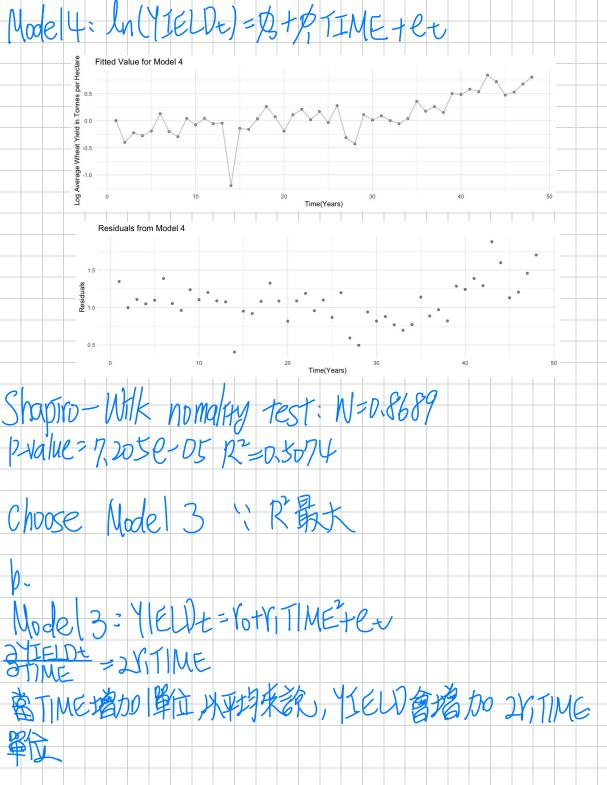


Madel 2: RATING=39,464+15,312 (n(EXPER)
marginal effect: 3 RATING = 15,312
EXPER (1) 10 years: 15.312 = 1.5312 x (T) 20 years 15/3/2 = 0.7656* " Model 23 R= 0.6414 > Model 1 & R= 0.4858 1 Model 2 1s a better Model. Model 2 應該是比較分理的 \ 隨著經驗逐漸增加表現會愈好,但當經驗 豐島的人(maybe 20 years 1) 增加 年經驗對於表現 影響不大(邊際應城)







```
Unusual observations based on Studentized Residuals (>| 2 |):
> print(unusual_resid)
14 28 43 48
14 28 43 48
> cat("\nUnusual observations based on Leverage (>", round(threshold_leverage, 3),
Unusual observations based on Leverage (> 0.083 ):
> print(unusual_leverage)
named integer(0)
> cat("\nUnusual observations based on DFBETAS (>|", round(threshold_dfbetas, 3),
"I for any coefficient):\n")
Unusual observations based on DFBETAS (>| 0.289 | for any coefficient):
> print(unusual_dfbetas)
1 6 14 43 44 48
1 6 14 43 44 48
> cat("\nUnusual observations based on DFFITS (>|", round(threshold_dffits, 3),
Unusual observations based on DFFITS (>| 0.408 |):
> print(unusual_dffits)
 1 14 43 44 48
 1 14 43 44 48
     > # Fit your chosen model; here we use a log-linear model as an example.
> model5 <- lm(northampton ~ time^2, data = data_train)</pre>
     Call:
     Residuals:
     Min 1Q Median 3Q Max
-0.62394 -0.17302 0.03342 0.12996 0.72050
     Coefficients:
               Estimate Std. Error t value Pr(>|t|)
     Signif. codes: 0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
     Residual standard error: 0.2791 on 46 degrees of freedom
     F-statistic: 62.96 on 1 and 46 DF, p-value: 3.689e-10
     > # Create new data for prediction for 1997, assuming time = 48 corresponds to 199
     > # If the model is in log-scale, transform predictions back:
     1 5.534412 3.085882 9.925755
     True yield for 1997: 2.2318
    95% prediction interval for 1997 (exponentiated): [ 3.085882 , 9.925755 ]
       cat("The true value is contained in the prediction interval.\n")
       cat("The true value is NOT contained in the prediction interval.\n")
    The true value is NOT contained in the prediction interval.
```

