4.4 c. d.

Model 1: $\frac{d\widehat{RATING}}{d\,EXPER} = 0.990$

Model 2: $\frac{d\widehat{RATING}}{d\,EXPER} = \frac{15.312}{EXPER}$

c.

For Model 1, the marginal effect is constant and equal to. 0.990

d.

For Model 2, the marginal effect changing by EXPER

The marginal effect of 10.00 years of Experience

$\frac{15.312}{10} = 1.5312$

$\frac{15.312}{20} = 0.7656$

e.

Model 1 在排除無經驗者後 R^2 上升. 但整體解釋力不足 Model 2 is better.

f. for Model 2 : $\frac{d^2\widehat{RATING}}{d\,EXPER^2} < 0$

表示邊際遞減，敘幅合現象情況

例如初學者進步幅度較專業的更快