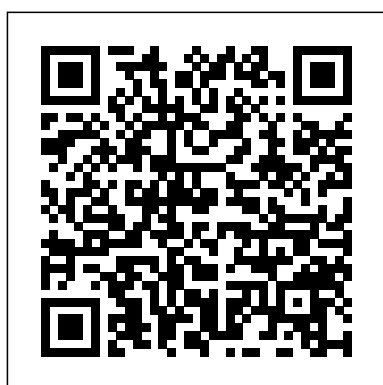


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= 30.405483. The test statistic value is
larger than the critical value and we reject
the null hypothesis. (b) In this case JB =
1.9153333. Thus we fail to reject the null.
(c) In this case JB = 0.88941667.

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of Econometrics, 3e 142 EXERCISE 7.1
(a) When a GPA is increased by one unit,
and other variables are held constant,
average starting salary will increase by
the amount \$1643 ($t = 4.66$, and the
coefficient is significant at $\alpha = 0.001$).
Students who take econometrics will have
a starting salary

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Chapter 5, Exercise Solutions, Principles
of Econometrics, 4e 143 EXERCISE 5.9
(a) The marginal effect of experience on
wages is 3 4 2 WAGE EXPER EXPER (b)
We expect 2 to be positive as workers
with a higher level of education should
receive higher wages.

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Chapter 2, Exercise Answers Principles
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(a) and (b) There appears to be a
positive association between VOTE and
GROWTH.

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Solutions to Exercises in Chapter 10 10.1
The estimated coefficients and their
standard errors (in parenthesis) for the
various parts of this question are given in
the following table. Variable (a) (b) (c)
(f) (g)

Solutions to Exercises in Chapter 10

Chapter 6 Solutions to Exercises 5 6.8
(a) The result $r^2 = R^2$ can be verified
using your computer software. Let $s_y^2 =$
sample variance of the $y_t = 2039.3$ $s_p^2 =$
sample variance of the $y_t = 646.70$ $s_{yp} =$
sample covariance of y_t and $y_t = 646.70$. Then, the squared sample
correlation between y_t and y_t is given by
() $r_{ss} = s_{yp} / (s_y s_p) = 2 / 2 = 2 / 2 = 64670$

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The required interval estimator is 1 1 se
() c b t b r.

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Chapter 3, Exercise Answers, Principles
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(continued) (c) d WAGE me10 0.4215 d
EXPER EXPER 10 d WAGE me30 0.0 d
EXPER EXPER 30 d WAGE me50 0.4215
d EXPER EXPER 50 (d) 80 70 60 50
WAGE 40 fitted WAGE 30 20 10 0 -30
-20 -10 0 10 20 30 40 EXPER30 Figure
xr3.13(d) Plot of fitted and actual values
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of Econometrics, 3e 66 EXERCISE 4.6 (a)
The least squares estimator for β_1 is
 $\hat{\beta}_1 = \frac{s_{yx}}{s_x^2}$. Thus, $y = \hat{\beta}_1 x + \epsilon$, and hence

(y, x) lies on the fitted line.

Chapter 4, Exercise Solutions, Principles of
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