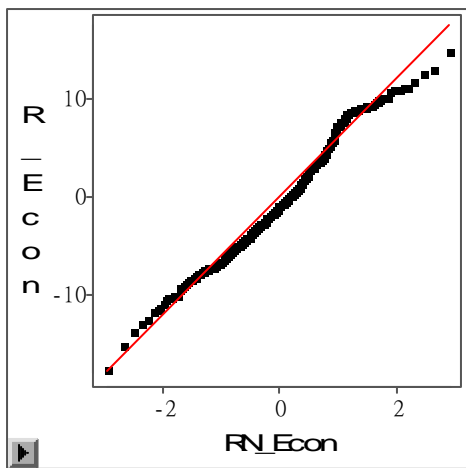
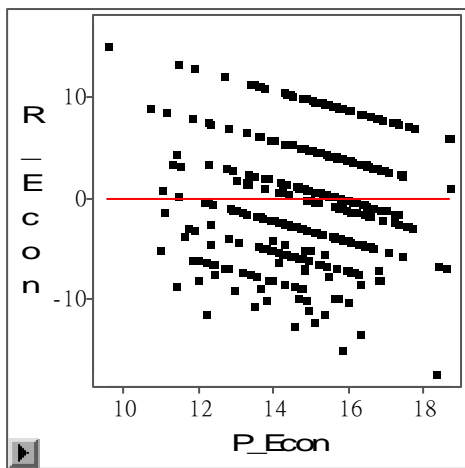


| Model Equation | | | | | | | | | | | | |
|----------------|---|--------|-----|--------|--------|-----|--------|--------|-----|--------|--------|-----|
| Econ | = | 8.5653 | + | 0.9688 | Q1 | + | 0.8011 | Q4 | - | 0.3736 | Q6 | |
| | - | 0.0508 | Q9 | + | 0.3906 | Q10 | + | 0.1918 | Q13 | - | 0.3264 | Q17 |
| | - | 0.1810 | Q18 | + | 0.2091 | Q19 | | | | | | |

| Summary of Fit | | | |
|------------------|---------|----------|--------|
| Mean of Response | 14.9135 | R-Square | 0.0651 |
| Root MSE | 6.0420 | Adj R-Sq | 0.0443 |

| Analysis of Variance | | | | | |
|----------------------|-----|----------------|-------------|--------|--------|
| Source | DF | Sum of Squares | Mean Square | F Stat | Pr > F |
| Model | 9 | 1031.4198 | 114.6022 | 3.14 | 0.0011 |
| Error | 406 | 14821.4649 | 36.5061 | | |
| C Total | 415 | 15852.8846 | | | |

| Parameter Estimates | | | | | | | |
|---------------------|----|----------|-----------|--------|--------|-----------|---------------|
| Variable | DF | Estimate | Std Error | t Stat | Pr > t | Tolerance | Var Inflation |
| Intercept | 1 | 8.5653 | 2.4389 | 3.51 | 0.0005 | . | 0 |
| Q1 | 1 | 0.9688 | 0.3135 | 3.09 | 0.0021 | 0.8894 | 1.1243 |
| Q4 | 1 | 0.8011 | 0.3039 | 2.64 | 0.0087 | 0.8708 | 1.1484 |
| Q6 | 1 | -0.3736 | 0.3394 | -1.10 | 0.2717 | 0.5685 | 1.7591 |
| Q9 | 1 | -0.0508 | 0.3079 | -0.16 | 0.8691 | 0.9043 | 1.1059 |
| Q10 | 1 | 0.3906 | 0.2980 | 1.31 | 0.1906 | 0.8883 | 1.1258 |
| Q13 | 1 | 0.1918 | 0.4254 | 0.45 | 0.6524 | 0.7845 | 1.2747 |
| Q17 | 1 | -0.3264 | 0.3522 | -0.93 | 0.3546 | 0.6053 | 1.6520 |
| Q18 | 1 | -0.1810 | 0.3296 | -0.55 | 0.5831 | 0.8150 | 1.2269 |
| Q19 | 1 | 0.2091 | 0.4010 | 0.52 | 0.6023 | 0.5917 | 1.6900 |



```

PROC REG DATA=oil;
MODEL Econ = Q1 Q4 Q6 Q9 Q10 Q13 Q17 Q18 Q19 /
SELECTION = RSQUARE ADJRSQ CP;
RUN;

```

| Number in Model | R-Square | Adjusted R-Square | C(p) | Variables in Model |
|-----------------|----------|-------------------|---------|--------------------|
| 1 | 0.0369 | 0.0346 | 6.2243 | Q1 |
| 1 | 0.0300 | 0.0277 | 9.2119 | Q4 |
| 1 | 0.0043 | 0.0019 | 20.3782 | Q17 |
| 1 | 0.0037 | 0.0013 | 20.6421 | Q6 |
| 1 | 0.0036 | 0.0012 | 20.6999 | Q9 |
| 1 | 0.0032 | 0.0008 | 20.8496 | Q10 |
| 1 | 0.0018 | -.0006 | 21.4678 | Q18 |
| 1 | 0.0011 | -.0013 | 21.7620 | Q19 |
| 1 | 0.0000 | -.0024 | 22.2449 | Q13 |
| ----- | | | | |
| 2 | 0.0516 | 0.0470 | 1.8495 | Q1 Q4 |

Model Equation
 $Econ = 8.6440 + 0.9486 Q1 + 0.7507 Q4$

Summary of Fit

| | | | |
|------------------|---------|----------|--------|
| Mean of Response | 14.9135 | R-Square | 0.0516 |
| Root MSE | 6.0336 | Adj R-Sq | 0.0470 |

Analysis of Variance

| Source | DF | Sum of Squares | Mean Square | F Stat | Pr > F |
|---------|-----|----------------|-------------|--------|--------|
| Model | 2 | 817.8767 | 408.9383 | 11.23 | <.0001 |
| Error | 413 | 15035.0079 | 36.4044 | | |
| C Total | 415 | 15852.8846 | | | |

Parameter Estimates

| Variable | DF | Estimate | Std Error | t Stat | Pr > t | Tolerance | Var Inflation |
|-----------|----|----------|-----------|--------|--------|-----------|---------------|
| Intercept | 1 | 8.6440 | 1.3557 | 6.38 | <.0001 | . | 0 |
| Q1 | 1 | 0.9486 | 0.3096 | 3.06 | 0.0023 | 0.9097 | 1.0993 |
| Q4 | 1 | 0.7507 | 0.2969 | 2.53 | 0.0118 | 0.9097 | 1.0993 |

