### The REG Procedure
### Model: MODEL1
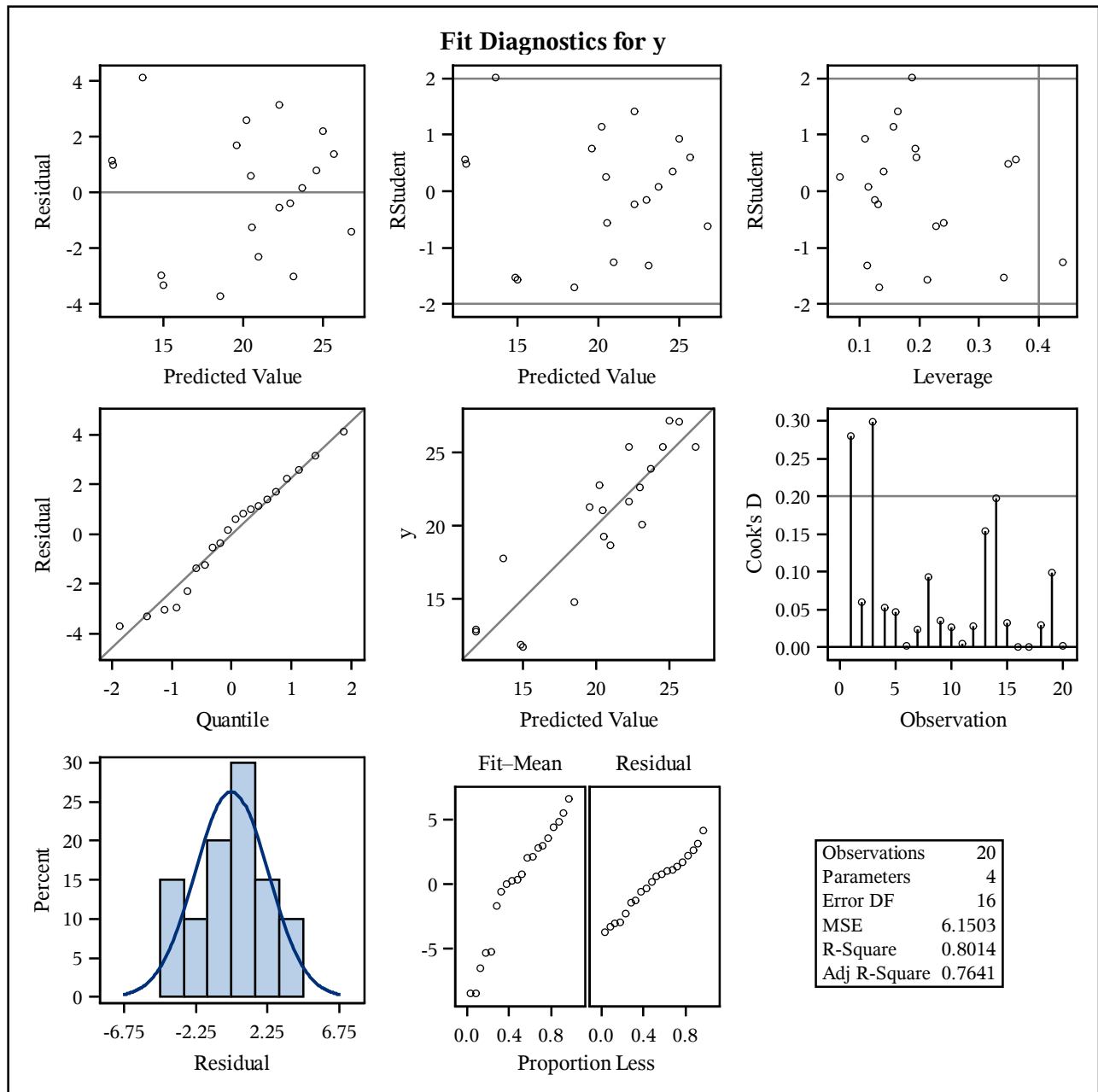### Dependent Variable: y

| | |
|---|---|
| Number of Observations Read | 21 |
| Number of Observations Used | 20 |
| Number of Observations with Missing Values | 1 |

| Analysis of Variance | | | | | |
|---|---|---|---|---|---|
| Source | DF | Sum of Squares | Mean Square | F Value | Pr > F |
| Model | 3 | 396.98461 | 132.32820 | 21.52 | <.0001 |
| Error | 16 | 98.40489 | 6.15031 | | |
| Corrected Total | 19 | 495.38950 | | | |

| | | | |
|---|---|---|---|
| Root MSE | 2.47998 | R-Square | 0.8014 |
| Dependent Mean | 20.19500 | Adj R-Sq | 0.7641 |
| Coeff Var | 12.28017 | | |

| Parameter Estimates | | | | | | |
|---|---|---|---|---|---|---|
| Variable | DF | Parameter Estimate | Standard Error | t Value | Pr > |t| | Type I SS |
| Intercept | 1 | 117.08469 | 99.78240 | 1.17 | 0.2578 | 8156.76050 |
| x1 | 1 | 4.33409 | 3.01551 | 1.44 | 0.1699 | 352.26980 |
| x3 | 1 | -2.18606 | 1.59550 | -1.37 | 0.1896 | 37.18554 |
| x2 | 1 | -2.85685 | 2.58202 | -1.11 | 0.2849 | 7.52928 |

**The REG Procedure**
**Model: MODEL1**
**Dependent Variable: y**



Fit Diagnostics for y

| Observations | 20 |
| Parameters | 4 |
| Error DF | 16 |
| MSE | 6.1503 |
| R-Square | 0.8014 |
| Adj R-Square | 0.7641 |

**The REG Procedure**
**Model: MODEL1**
**Dependent Variable: y**



Residual by Regressors for y