

Table 17.1 (Continued)

| <i>Sample Ratio</i> | <i>Obtained Prediction Equation</i> | R^2 | $r_{\hat{y}\hat{y}}^2$ | <i>Shrinkage</i> |
|---------------------|--|-------|------------------------|------------------|
| <i>40:1</i> | | | | |
| Sample 1 | $\hat{Y} = -0.49 + 2.34(\text{GPA8}) - 0.79(\text{RACE}) - 1.51(\text{PART}) + 0.08(\text{PARED})$ | 0.55 | 0.50 | 0.05 |
| Sample 2 | $\hat{Y} = -2.05 + 2.03(\text{GPA8}) - 0.61(\text{RACE}) - 0.37(\text{PART}) + 0.51(\text{PARED})$ | 0.58 | 0.53 | 0.05 |
| <i>100:1</i> | | | | |
| Sample 1 | $\hat{Y} = -1.89 + 2.05(\text{GPA8}) - 0.52(\text{RACE}) - 0.17(\text{PART}) + 0.35(\text{PARED})$ | 0.46 | 0.45 | 0.01 |
| Sample 2 | $\hat{Y} = -2.04 + 1.92(\text{GPA8}) - 0.01(\text{RACE}) + 0.32(\text{PART}) + 0.37(\text{PARED})$ | 0.46 | 0.45 | 0.01 |
| <i>400:1</i> | | | | |
| Sample 1 | $\hat{Y} = -1.26 + 1.95(\text{GPA8}) - 0.70(\text{RACE}) - 0.41(\text{PART}) + 0.37(\text{PARED})$ | 0.47 | 0.46 | 0.01 |
| Sample 2 | $\hat{Y} = -1.10 + 1.94(\text{GPA8}) - 0.45(\text{RACE}) - 0.56(\text{PART}) + 0.35(\text{PARED})$ | 0.42 | 0.41 | 0.01 |