SHEET2

**Regression Analysis: Value of Target Variable versus Value of Predicting Variable**

**Method**

|  |  |
| --- | --- |
| Rows unused | 23 |

**Regression Equation**

|  |  |  |
| --- | --- | --- |
| Health expenditure (% of GDP) | = | 6.208 + 0.02429 GDP per capita (in thousands) |

**Coefficients**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Term** | **Coef** | **SE Coef** | **T-Value** | **P-Value** | **VIF** |
| Constant | 6.208 | 0.262 | 23.72 | 0.000 |  |
| Value of Predicting Variable | 0.02429 | 0.00937 | 2.59 | 0.010 | 1.00 |

**Model Summary**

|  |  |  |  |
| --- | --- | --- | --- |
| **S** | **R-sq** | **R-sq(adj)** | **R-sq(pred)** |
| 2.98352 | 3.50% | 2.98% | 0.00% |

**Analysis of Variance**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Source** | **DF** | **Adj SS** | **Adj MS** | **F-Value** | **P-Value** |
| Regression | 1 | 59.81 | 59.810 | 6.72 | 0.010 |
| Value of Predicting Variable | 1 | 59.81 | 59.810 | 6.72 | 0.010 |
| Error | 185 | 1646.75 | 8.901 |  |  |
| Lack-of-Fit | 184 | 1635.23 | 8.887 | 0.77 | 0.744 |
| Pure Error | 1 | 11.52 | 11.520 |  |  |
| Total | 186 | 1706.57 |  |  |  |

**Fits and Diagnostics for Unusual Observations**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Obs** | **Value of Target Variable** | **Fit** | **Resid** | **Std Resid** |  |  |
| 1 | 13.200 | 6.220 | 6.980 | 2.35 | R |  |
| 76 | 8.600 | 7.989 | 0.611 | 0.21 |  | X |
| 81 | 6.700 | 8.194 | -1.494 | -0.51 |  | X |
| 98 | 5.400 | 8.977 | -3.577 | -1.26 |  | X |
| 105 | 16.300 | 6.307 | 9.993 | 3.36 | R |  |
| 110 | 1.500 | 10.811 | -9.311 | -3.74 | R | X |
| 125 | 10.500 | 8.039 | 2.461 | 0.84 |  | X |
| 128 | 15.200 | 6.586 | 8.614 | 2.89 | R |  |
| 164 | 11.300 | 8.277 | 3.023 | 1.04 |  | X |
| 174 | 24.000 | 6.321 | 17.679 | 5.94 | R |  |
| 180 | 16.800 | 7.786 | 9.014 | 3.07 | R |  |

*R  Large residual  
X  Unusual X*

