

| Input Data |          |          |             |             |  |
|------------|----------|----------|-------------|-------------|--|
| i          | x        | y        | $x^2$       | xy          |  |
| 1          | 662.399  | 298.905  | 438772.435  | 197994.439  |  |
| 2          | 355.829  | 170.724  | 126614.277  | 60748.621   |  |
| 3          | 1171.402 | 516.252  | 1372182.646 | 604738.742  |  |
| 4          | 1335.363 | 587.527  | 1783194.342 | 784562.218  |  |
| $\Sigma$   | 3524.993 | 1573.409 | 3720763.7   | 1648044.021 |  |

  

| Fit Results & Statistical Errors |              |              |
|----------------------------------|--------------|--------------|
| Parameter                        | Value        | Uncertainty  |
| Slope ( $a_1$ )                  | 0.4256       | $\pm 0.0018$ |
| Intercept ( $a_0$ )              | 18.2864      | $\pm 1.7068$ |
| $\sigma_y$ (Std. Error)          | 1.3871       |              |
| $\Delta$ (delta)                 | 2457479.1492 |              |

  

| Measured vs Fitted Values |              |         |
|---------------------------|--------------|---------|
| x                         | y (measured) | y (fit) |
| 662.399                   | 298.905      | 300.208 |
| 355.829                   | 170.724      | 169.73  |
| 1171.402                  | 516.252      | 516.844 |
| 1335.363                  | 587.527      | 586.627 |