|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Year** | **Y** | **t** | **Y predicted (Linear)** | **Y predicted (quadratic)** | **Y pred (Growth)** | **Error**  **Y-Ypred**  **(Linear)** | **Error**  **Y-Ypred**  **(Quadratic)** | **Error**  **Y-Ypred**  **(Growth)** | **CI (Quadratic)** |
| 2001 | 68.50 | 1 | 34.26 | 51.31 | 27.16 | 34.24 | 17.19 | 41.34 | 133.50 |
| 2002 | 29.70 | 2 | 30.95 | 38.70 | 23.35 | -1.25 | -9.00 | 6.35 | 76.74 |
| 2003 | 18.40 | 3 | 27.64 | 27.95 | 20.07 | -9.24 | -9.55 | -1.67 | 65.82 |
| 2004 | 9.30 | 4 | 24.33 | 19.07 | 17.25 | -15.03 | -9.77 | -7.95 | 48.78 |
| 2005 | 8.18 | 5 | 21.03 | 12.04 | 14.83 | -12.85 | -3.86 | -6.65 | 67.99 |
| 2006 | 9.61 | 6 | 17.72 | 6.87 | 12.75 | -8.11 | 2.74 | -3.14 | 139.86 |
| 2007 | 8.75 | 7 | 14.41 | 3.56 | 10.96 | -5.66 | 5.19 | -2.21 | 245.71 |
| 2008 | 10.44 | 8 | 11.10 | 2.11 | 9.42 | -0.66 | 8.33 | 1.02 | 494.97 |
| 2009 | 6.26 | 9 | 7.79 | 2.52 | 8.10 | -1.53 | 3.74 | -1.84 | 248.32 |
| 2010 | 8.55 | 10 | 4.48 | 4.79 | 6.96 | 4.07 | 3.76 | 1.59 | 178.57 |
| 2011 | 6.49 | 11 | 1.17 | 8.92 | 5.98 | 5.32 | -2.43 | 0.51 | 72.77 |
| 2012 | 8.56 | 12 | -2.14 | 14.91 | 5.14 | 10.70 | -6.35 | 3.42 | 57.45 |
|  |  |  |  |  | SumSquare | 1910.108 | **756.264** | 1892.884 |  |

For yearly data:

Linear Trend Function:

Quadratic Trend Function:

Growth Trend Function: or

|  |  |
| --- | --- |
| **Linear** |  |
|  | **Sum Squared Errors=1910.108** |
|  |  |
| **Quadratic** |  |
|  | **Sum Squared Errors =756.264 (MINIMUM)** |
|  |  |
| **Growth** |  |
|  | **Sum Squared Errors =1892.884** |
|  | ( or ) |