



Investment Comparison Example

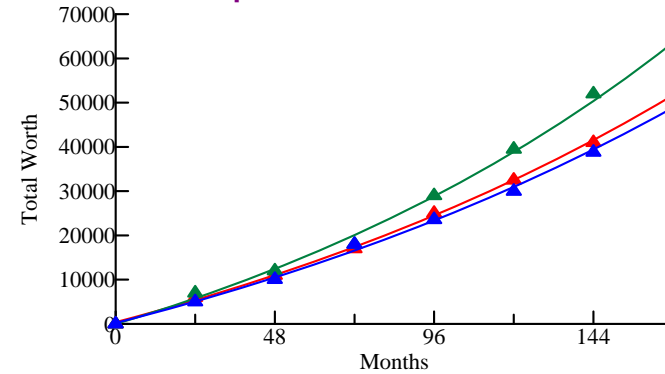
Equation:

$$y = C + A \exp(Bx)$$

Data:

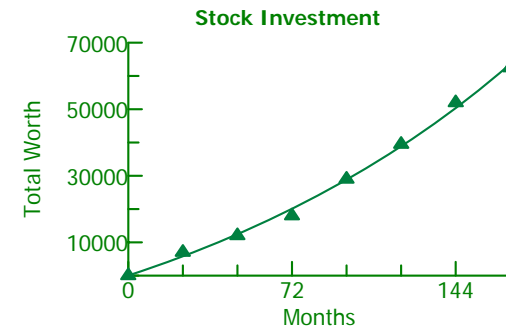
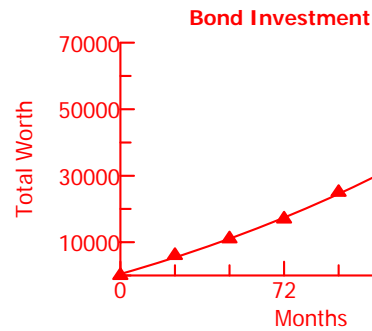
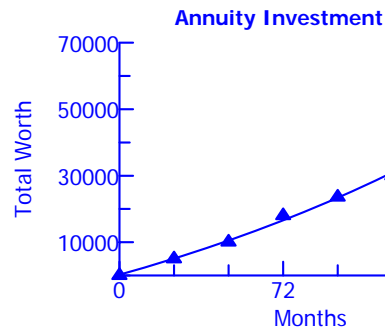
| Month | Investment Type | | |
|-------|-----------------|-------|-------|
| | Annuity | Bond | Stock |
| 0 | 0 | 0 | 0 |
| 24 | 5000 | 6000 | 7000 |
| 48 | 10070 | 11000 | 12000 |
| 72 | 18000 | 17000 | 18000 |
| 96 | 23600 | 25000 | 29000 |
| 120 | 30000 | 32500 | 39500 |
| 144 | 38800 | 41000 | 52000 |
| 168 | 49500 | 52000 | 62500 |

Comparison of Investments



Description:

In this example three different types of investment have been plotted individually using an exponential model. The results of the analysis and an overlay graph of the individual charts combined together is then created and displayed with formatting.



| Annuity Investment Parameters | | | | |
|-----------------------------------|---------------------|-------------|----------------------|----------------|
| Description | Name | Value | Confidence Intervals | Standard Error |
| Range of y | A | 41546.32275 | 28014.85 | 10898.22 |
| Rate of change | B | 0.004617011 | 0.00216 | 0.00084 |
| Min y | C | -41351.0546 | 29346.59 | 11416.29 |
| Annuity Investment Fit Statistics | | | | |
| | Name | Value | | |
| | Chi ² | 3969772.407 | | |
| | F-Test | 1.001953384 | | |
| | F-Test Significance | 0.998343529 | | |
| | T-Test | -6.8744E-07 | | |
| | T-Test Significance | 0.999999478 | | |
| | Iterations | 6 | | |
| | DOF | 8 | | |

| Bond Investment Parameters | | | |
|--------------------------------|----------------------|----------------|--|
| Value | Confidence Intervals | Standard Error | |
| 40149.30762 | 14136.19 | 5499.203 | |
| 0.004900054 | 0.001172 | 0.000456 | |
| -39755.7397 | 14897.84 | 5795.496 | |
| Bond Investment Fit Statistics | | | |
| | Name | Value | |
| | Chi ² | 1291558.474 | |
| | F-Test | 1.00057252 | |
| | F-Test Significance | 0.999514163 | |
| | T-Test | -1.6165E-07 | |
| | T-Test Significance | 0.999999879 | |
| | Iterations | 6 | |
| | DOF | 8 | |

| Stock Investment Parameters | | | |
|---------------------------------|----------------------|----------------|--|
| Value | Confidence Intervals | Standard Error | |
| 39234.2438 | 28644.49 | 11143.16 | |
| 0.00573622 | 0.002678 | 0.001042 | |
| -39229.236 | 30799.8 | 11981.61 | |
| Stock Investment Fit Statistics | | | |
| | Name | Value | |
| | Chi ² | 10198998.07 | |
| | F-Test | 1.002944053 | |
| | F-Test Significance | 0.997504681 | |
| | T-Test | -0.00010643 | |
| | T-Test Significance | 0.999919196 | |
| | Iterations | 5 | |
| | DOF | 8 | |