

Sheet1

Cubic Least Squares Fit Template

| Y-Values | X-Values | X-Squared | X-Cubed | |
|----------|----------|-----------|---------|---------------------|
| 200 | 20 | 400 | 8000 | Constant |
| 400 | 40 | 1600 | 64000 | Std Err of Y Est |
| 600 | 60 | 3600 | 216000 | R Squared |
| 400 | 80 | 6400 | 512000 | No. of Observations |
| 200 | 100 | 10000 | 1000000 | Degrees of Freedom |
| 400 | 120 | 14400 | 1728000 | |
| 600 | 140 | 19600 | 2744000 | X Coefficient(s) |
| | | | | Std Err of Coef. |

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Regression Output:

| | | | |
|-------------------|--------------------|-------------------|-----------|
| -514.285714285708 | | | 20 #NAME? |
| 100.790526135796 | | | 21 #NAME? |
| 0.809523809523801 | | | 22 #NAME? |
| | 7 | | 23 #NAME? |
| | 3 | | 24 #NAME? |
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| 46.9841269841267 | -0.666666666666663 | 0.002777777777778 | 26 #NAME? |
| 14.7616202965141 | 0.207566616359083 | 0.000857240833123 | 27 #NAME? |
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| 20 | 200 |
| 40 | 400 |
| 60 | 600 |
| 80 | 400 |
| 100 | 200 |
| 120 | 400 |
| 140 | 600 |