When n < k run BAM and when n >= k run SAM

Graph1A? w/ regression results

|  |  |  |  |
| --- | --- | --- | --- |
| SUMMARY OUTPUT | | | |
|  | |  | |
| *Regression Statistics* | | | |
| Multiple R | | 0.92583083 | |
| R Square | | 0.85716273 | |
| Adjusted R Square | | 0.83930807 | |
| Standard Error | | 624.898538 | |
| Observations | | 10 | |
| ANOVA |  | |  | | |  | |  | |  | |
|  | *df* | | *SS* | | | *MS* | | *F* | | *Significance F* | |
| Regression | 1 | | 18746954.8 | | | 18746954.8 | | 48.0077899 | | 0.00012097 | |
| Residual | 8 | | 3123985.47 | | | 390498.183 | |  | |  | |
| Total | 9 | | 21870940.2 | | |  | |  | |  | |
|  | *Coefficients* | | *Standard Error* | | *t Stat* | | *P-value* | | *Lower 95%* | | *Upper 95%* | | *Lower 95.0%* | *Upper 95.0%* |
| Intercept | -319.34569 | | 236.090753 | | -1.3526395 | | 0.21315736 | | -863.77194 | | 225.080564 | | -863.77194 | 225.080564 |
| Array Size | 4.37487569 | | 0.63140768 | | 6.9287654 | | 0.00012097 | | 2.91884697 | | 5.83090441 | | 2.91884697 | 5.83090441 |

Sample mean = 575.753876

Sample standard deviation = 1558.87923

Graph 1B w/ interesting k values and line regression

Graph2

Graph3