

Report Pages

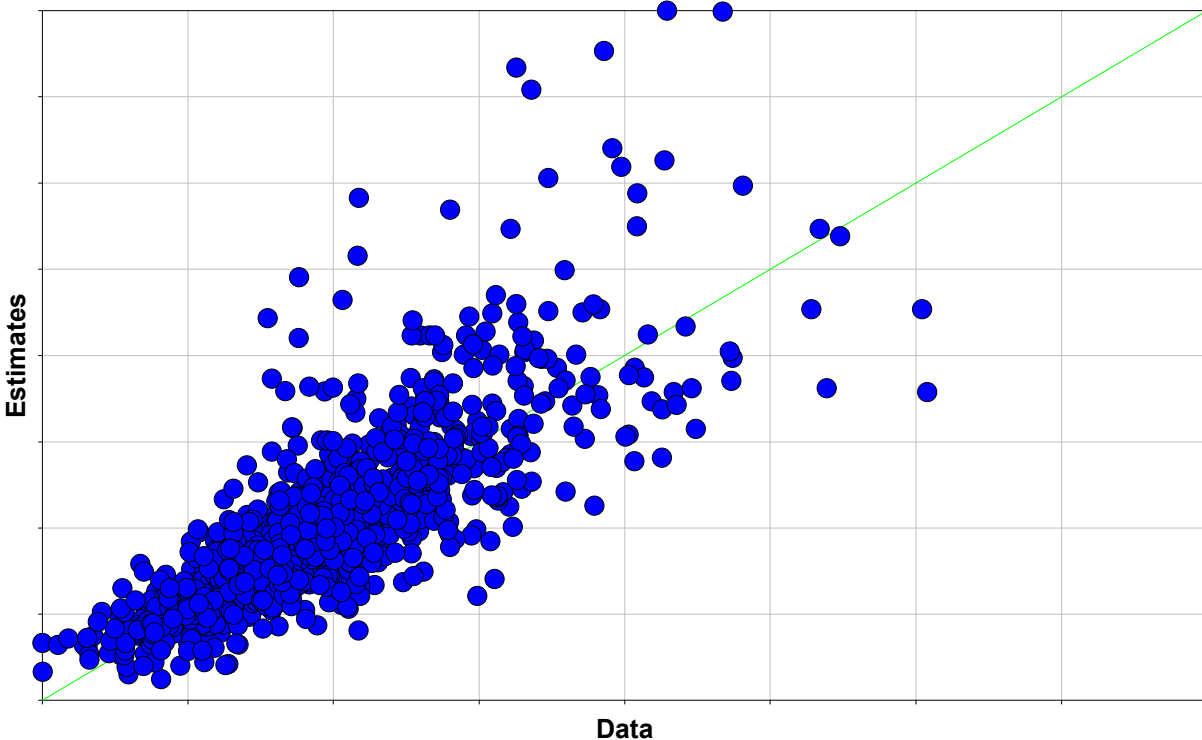
Tm: Joback Method [MKS]

Evaluated on Mar 20, 2024 at 15:35:01

Evaluation Statistics

Statistic	Value	Units
Number of Observations	1283	---
Average Error	11.830846	K
Average Absolute Error	40.439093	K
Average Absolute % Error	15.807816	%
Maximum Error	436.390000	K
Minimum Error	-266.800000	K
Maximum Absolute Error	436.390000	K
Minimum Absolute Error	0.026000	K

Estimates vs Data Graph



Maximum Errors - Sorted by Absolute Percent Error

1) Didecyl phthalate

Datum:	220.150000	---
Estimate:	528.420000	K
Error:	308.270000	K

2) Pentaethylenehexamine

Datum:	243.150000	---
Estimate:	579.120000	K
Error:	335.970000	K

3) Tetranitromethane

Datum:	287.050000	---
Estimate:	677.390000	K
Error:	390.340000	K

4) Oxygen

Datum:	54.800000	---
Estimate:	126.160000	K
Error:	71.360000	K

5) Nitroglycerine

Datum:	286.150000	---
Estimate:	605.590000	K
Error:	319.440000	K

6) N-Methyl-N,2,4,6-tetranitroaniline

Datum:	402.650000	---
Estimate:	839.040000	K
Error:	436.390000	K

7) Tetraethylenepentamine

Datum:	243.000000	---
Estimate:	503.920000	K
Error:	260.920000	K

8) Bis(2-ethylhexyl) phthalate

Datum:	223.150000	---
Estimate:	453.340000	K
Error:	230.190000	K

9) Diundecyl phthalate

Datum:	275.150000	---
Estimate:	550.960000	K
Error:	275.810000	K

10) Pentaerythritol tetranitrate

Datum:	413.650000	---
Estimate:	811.390000	K
Error:	397.740000	K

Minimum Errors - Sorted by Absolute Percent Error

1) 2-Methylpiperidine

Datum:	269.316000	---
Estimate:	269.290000	K
Error:	-0.026000	K

2) Ethylene oxide

Datum:	160.600000	---
Estimate:	160.550000	K
Error:	-0.050000	K

3) 1-Isopropoxy-2-propanol

Datum:	210.000000	---
Estimate:	209.930000	K
Error:	-0.070000	K

4) Methyl n-dodecanoate

Datum:	277.950000	---
Estimate:	278.100000	K
Error:	0.150000	K

5) Piperidine

Datum:	262.101000	---
Estimate:	262.260000	K
Error:	0.159000	K

6) 3-Methylpyridine

Datum:	255.010000	---
Estimate:	254.840000	K
Error:	-0.170000	K

7) Butyl acrylate

Datum:	208.550000	---
Estimate:	208.720000	K
Error:	0.170000	K

8) 2,3-Epoxy-1-propanol

Datum:	228.150000	---
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Estimate:	228.400000	K
Error:	0.250000	K
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9) 1-Octadecene		
Datum:	290.760000	---
Estimate:	290.360000	K
Error:	-0.400000	K
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10) Bromotrichloromethane		
Datum:	252.150000	---
Estimate:	252.510000	K
Error:	0.360000	K
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Estimated using the Joback Method [MKS] for the Melting Point. Referenced in: Kevin G. Joback and Robert C. Reid. "Estimation of Pure-Component Properties from Group-Contributions." Chemical Engineering Communications. Volume 57, page 233-243, 1987.
