

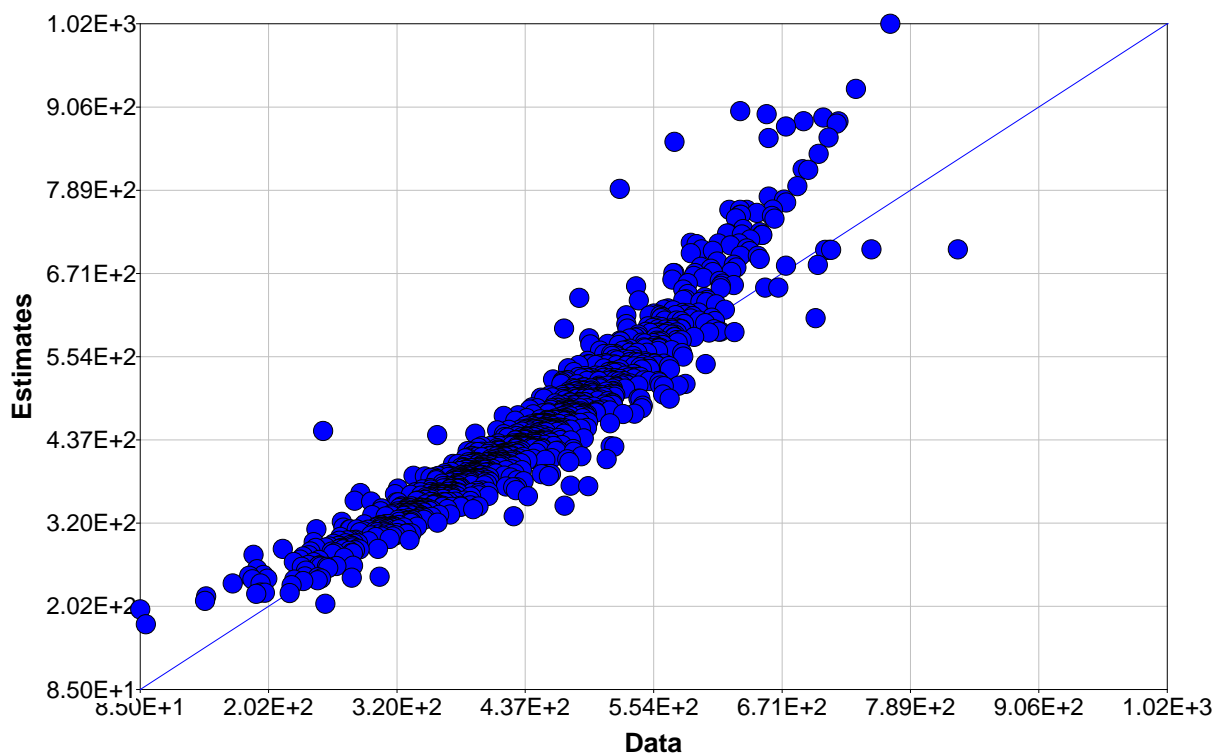
Tb: Joback Method

Evaluated on Aug 08, 2016 at 00:06:19

Evaluation Statistics

Statistic	Value	Units
Number of Observations	1302	- - -
Average Error	8.34760	K
Average Absolute Error	23.02018	K
Average Absolute % Error	5.25350	%
Maximum Error	283.82000	K
Minimum Error	-128.55000	K
Maximum Absolute Error	283.82000	K
Minimum Absolute Error	0.00000	K

Estimates vs Data Graph



Maximum Errors

1) 2,4,6-Trinitrotoluene

Datum: 573.00000 K

Estimate:	856.82000	K
Error:	283.82000	K

2) Nitroglycerine

Datum:	523.00000	K
Estimate:	790.50000	K
Error:	267.50000	K

3) 1,1,2,2-Tetraphenylethane

Datum:	633.15000	K
Estimate:	900.24000	K
Error:	267.09000	K

4) n-Hexatriacontane

Datum:	770.15000	K
Estimate:	1023.20000	K
Error:	253.05000	K

5) Bis(2-ethylhexyl) phthalate

Datum:	657.15000	K
Estimate:	895.86000	K
Error:	238.71000	K

6) 1,2,4-Benzenetricarboxylic acid

Datum:	675.00000	K
Estimate:	878.61000	K
Error:	203.61000	K

7) Citric acid

Datum:	659.00000	K
Estimate:	862.28000	K
Error:	203.28000	K

8) Cyanogen

Datum:	252.00000	K
Estimate:	449.44000	K
Error:	197.44000	K

9) Inositol

Datum:	691.00000	K
Estimate:	886.08000	K
Error:	195.08000	K

10) n-Dotriacontane

Datum:	738.85000	K
Estimate:	931.68000	K
Error:	192.83000	K

Minimum Errors

1) N-Methylformamide

Datum:	472.66000	K
Estimate:	344.11000	K
Error:	-128.55000	K

2) Terephthalic acid

Datum:	832.00000	K
Estimate:	705.24000	K
Error:	-126.76000	K

3) Acetamide

Datum:	494.30000	K
Estimate:	371.68000	K
Error:	-122.62000	K

4) N-Methylacetamide

Datum:	478.15000	K
Estimate:	372.20000	K
Error:	-105.95000	K

5) Ethylene carbonate

Datum:	511.15000	K
Estimate:	409.83000	K
Error:	-101.32000	K

6) N,N-Dimethylformamide

Datum:	426.15000	K
Estimate:	329.26000	K
Error:	-96.89000	K

7) 4-Carboxybenzaldehyde

Datum:	702.00000	K
Estimate:	608.39000	K

Error:	-93.61000	K
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8) 2-Pyrrolidone

Datum:	518.15000	K
Estimate:	427.36000	K
Error:	-90.79000	K

9) Propylene carbonate

Datum:	514.85000	K
Estimate:	428.04000	K
Error:	-86.81000	K

10) N,N-Dimethylacetamide

Datum:	439.25000	K
Estimate:	357.35000	K
Error:	-81.90000	K

References

1) Estimated using Joback Method for the Boiling 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.
