

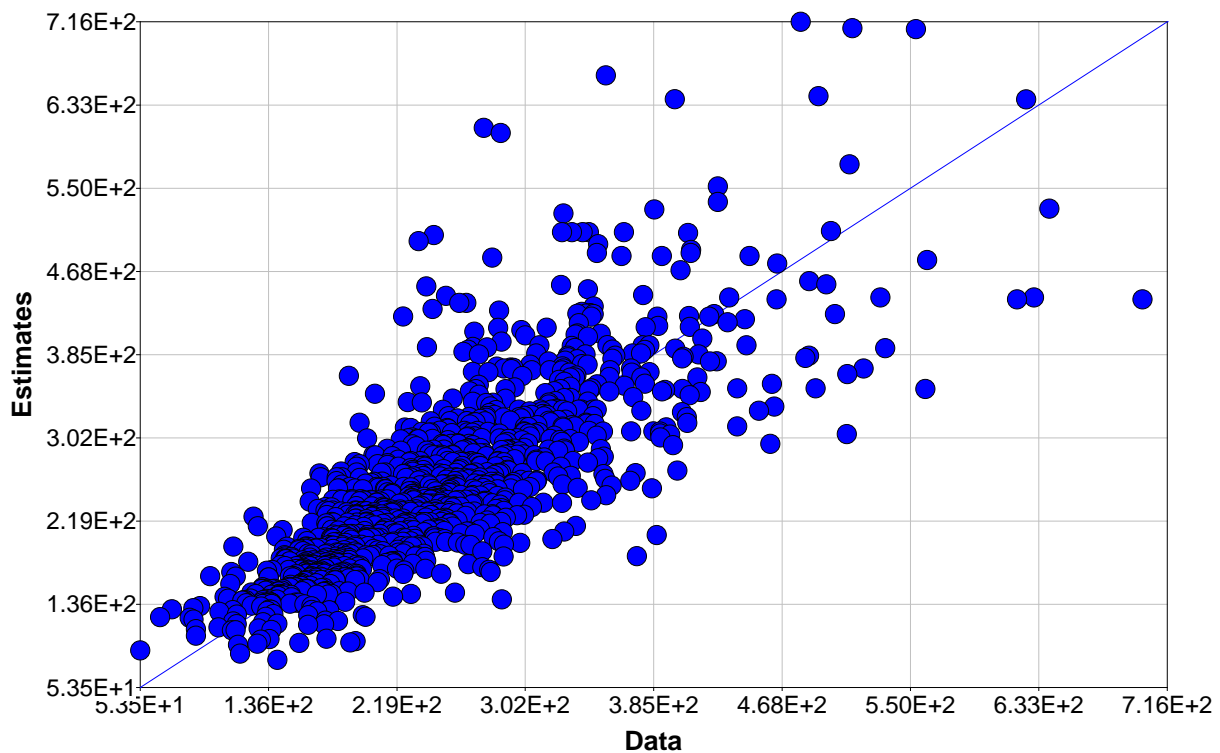
Tm: Joback Method

Evaluated on Aug 08, 2016 at 00:03:39

Evaluation Statistics

Statistic	Value	Units
Number of Observations	1167	- - -
Average Error	7.85568	K
Average Absolute Error	39.21223	K
Average Absolute % Error	15.80337	%
Maximum Error	335.47000	K
Minimum Error	-260.29000	K
Maximum Absolute Error	335.47000	K
Minimum Absolute Error	0.05000	K

Estimates vs Data Graph



Maximum Errors

1) Diundecyl phthalate

Datum: 275.15000 K

Estimate:	610.62000	K
Error:	335.47000	K

2) Nitroglycerine

Datum:	286.15000	K
Estimate:	605.59000	K
Error:	319.44000	K

3) 2,4,6-Trinitrotoluene

Datum:	354.00000	K
Estimate:	662.96000	K
Error:	308.96000	K

4) di-n-Hexyl phthalate

Datum:	233.15000	K
Estimate:	497.92000	K
Error:	264.77000	K

5) Tetraethylenepentamine

Datum:	243.00000	K
Estimate:	503.92000	K
Error:	260.92000	K

6) 1,3,5-Trinitrobenzene

Datum:	398.40000	K
Estimate:	639.17000	K
Error:	240.77000	K

7) 4,4'-Dinitrotriphenylamine

Datum:	479.65000	K
Estimate:	716.11000	K
Error:	236.46000	K

8) Dibutyl phthalate

Datum:	238.15000	K
Estimate:	452.84000	K
Error:	214.69000	K

9) Dioctyl hexanedioate

Datum:	280.65000	K
Estimate:	481.52000	K
Error:	200.87000	K

10) Diisobutyl phthalate

Datum:	223.15000	K
Estimate:	422.84000	K
Error:	199.69000	K

Minimum Errors

1) Terephthalic acid

Datum:	700.15000	K
Estimate:	439.86000	K
Error:	-260.29000	K

2) Fumaric acid

Datum:	560.15000	K
Estimate:	350.76000	K
Error:	-209.39000	K

3) Glycine

Datum:	509.40000	K
Estimate:	305.81000	K
Error:	-203.59000	K

4) 2,2,3,3-Tetramethylbutane

Datum:	373.96000	K
Estimate:	184.26000	K
Error:	-189.70000	K

5) Naphthacene

Datum:	630.15000	K
Estimate:	441.68000	K
Error:	-188.47000	K

6) Iodine

Datum:	386.75000	K
Estimate:	205.38000	K
Error:	-181.37000	K

7) Isophthalic acid

Datum:	619.15000	K
Estimate:	439.86000	K

Error:	-179.29000	K
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8) Hexachloroethane

Datum:	459.95000	K
Estimate:	296.16000	K
Error:	-163.79000	K

9) 4-Carboxybenzaldehyde

Datum:	520.15000	K
Estimate:	371.11000	K
Error:	-149.04000	K

10) 2,5-Dimethyl-2,4-hexadiene

Datum:	286.80000	K
Estimate:	141.34000	K
Error:	-145.46000	K

References

1) Estimated using Joback Method 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.
