

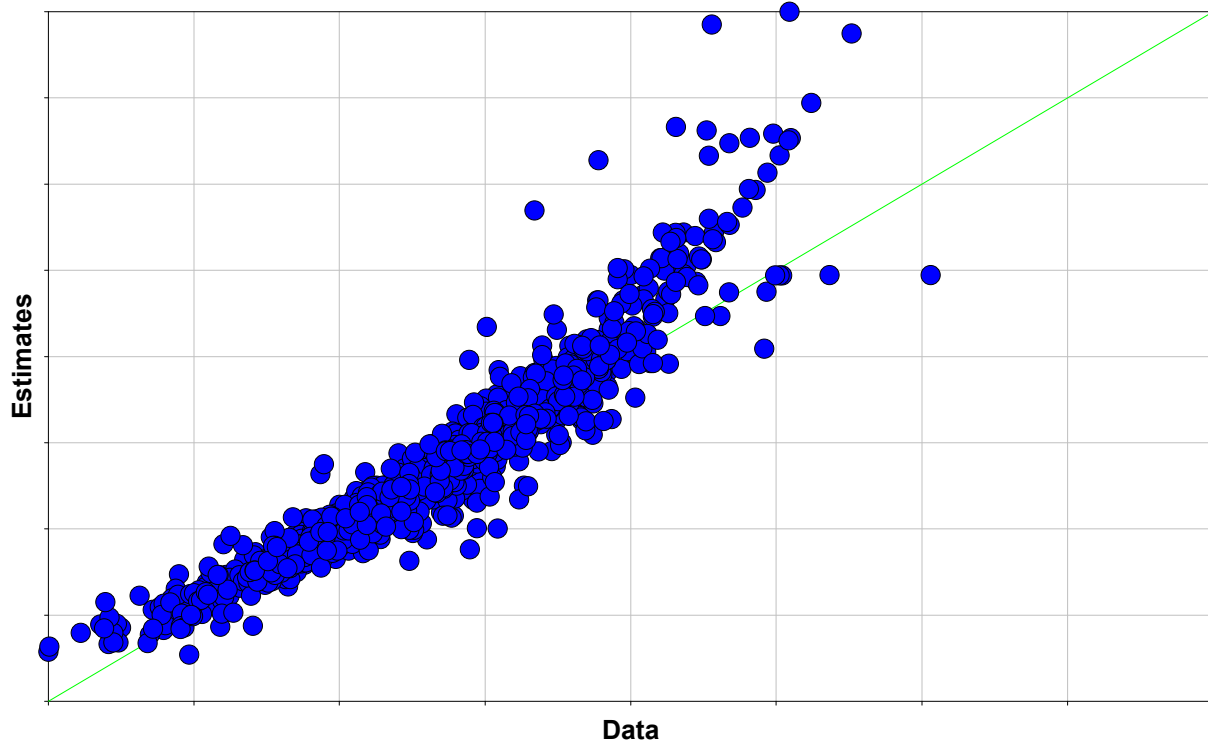
Tb: Joback Method [MKS]

Evaluated on Sep 22, 2020 at 11:40:50

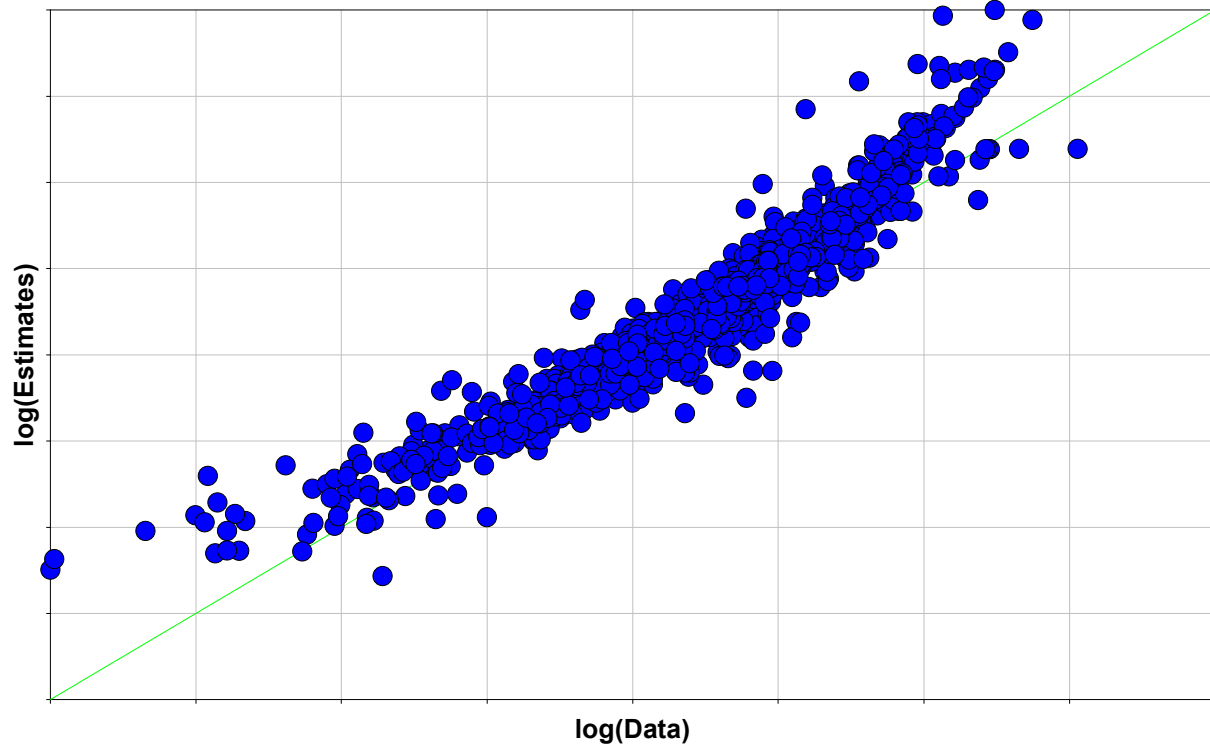
Evaluation Statistics

Statistic	Value	Units
Number of Observations	1356	- - -
Average Error	8.4498	K
Average Absolute Error	23.0731	K
Average Absolute % Error	5.0679	%
Maximum Error	374.0900	K
Minimum Error	-128.5500	K
Maximum Absolute Error	374.0900	K
Minimum Absolute Error	0.0000	K

Estimates vs Data Graph



Estimates vs Data Graph



Maximum Errors

1) Ethylenediaminetetraacetic acid

Datum:	661.1500	---
Estimate:	1035.2400	K
Error:	374.0900	K

2) 1,2,4,5-Benzenetetracarboxylic acid

Datum:	722.0000	---
Estimate:	1051.9800	K
Error:	329.9800	K

3) 2,4,6-Trinitrotoluene

Datum:	573.0000	---
Estimate:	856.8200	K
Error:	283.8200	K

4) Nitroglycerine

Datum:	523.0000	---
Estimate:	790.5000	K
Error:	267.5000	K

5) 1,1,2,2-Tetraphenylethane

Datum:	633.1500	---
Estimate:	900.2400	K
Error:	267.0900	K

6) n-Hexatriacontane

Datum:	770.1500	---
Estimate:	1023.2000	K
Error:	253.0500	K

7) Bis(2-ethylhexyl) phthalate

Datum:	657.1500	---
Estimate:	895.8600	K
Error:	238.7100	K

8) 1,2,4-Benzenetricarboxylic acid

Datum:	675.0000	---
Estimate:	878.6100	K
Error:	203.6100	K

9) Citric acid

Datum:	659.0000	---
Estimate:	862.2800	K
Error:	203.2800	K

10) Inositol

Datum:	691.0000	---
Estimate:	886.0800	K
Error:	195.0800	K

11) n-Dotriacontane

Datum:	738.8500	---
Estimate:	931.6800	K
Error:	192.8300	K

12) 4,4'-Dinitrodiphenylamine

Datum:	709.0000	---
Estimate:	891.2500	K
Error:	182.2500	K

13) n-Triacontane

Datum:	722.8500	---
Estimate:	885.9200	K
Error:	163.0700	K

14) 1-Triacontene

Datum:	721.1500	---
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Estimate:	882.6000	K
Error:	161.4500	K

15) Triacetone alcohol

Datum:	486.0000	---
Estimate:	637.2100	K
Error:	151.2100	K

16) n-Nonacosane

Datum:	713.9500	---
Estimate:	863.0400	K
Error:	149.0900	K

17) n-Butyl stearate

Datum:	623.1500	---
Estimate:	761.1000	K
Error:	137.9500	K

18) n-Octacosane

Datum:	704.7500	---
Estimate:	840.1600	K
Error:	135.4100	K

19) di(2-Ethylhexyl)adipate

Datum:	690.1500	---
Estimate:	818.4400	K
Error:	128.2900	K

20) cis-9-Octadecenoic acid

Datum:	633.0000	---
Estimate:	761.0300	K
Error:	128.0300	K

Minimum Errors

1) N-Methylformamide

Datum:	472.6600	---
Estimate:	344.1100	K
Error:	-128.5500	K

2) Terephthalic acid

Datum:	832.0000	---
Estimate:	705.2400	K
Error:	-126.7600	K

3) Acetamide

Datum:	494.3000	---
Estimate:	371.6800	K
Error:	-122.6200	K

4) N-Methylacetamide

Datum:	478.1500	---
Estimate:	372.2000	K
Error:	-105.9500	K

5) Ethylene carbonate

Datum:	511.1500	---
Estimate:	409.8300	K
Error:	-101.3200	K

6) N,N-Dimethylformamide

Datum:	425.6300	---
Estimate:	329.2600	K
Error:	-96.3700	K

7) 4-Carboxybenzaldehyde

Datum:	702.0000	---
Estimate:	608.3900	K
Error:	-93.6100	K

8) 2-Pyrrolidone

Datum:	518.1500	---
Estimate:	427.3600	K
Error:	-90.7900	K

9) Propylene carbonate

Datum:	514.8500	---
Estimate:	428.0400	K
Error:	-86.8100	K

10) N,N-Dimethylacetamide

Datum:	439.2500	---
Estimate:	357.3500	K
Error:	-81.9000	K

11) 2-Methacrylamide

Datum:	488.0000	---
Estimate:	414.0000	K
Error:	-74.0000	K

12) 2,5-Pyrrolidinedione

Datum:	568.6000	---
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Estimate:	495.1800	K
Error:	-73.4200	K
13) Iodine		
Datum:	458.3900	---
Estimate:	385.8000	K
Error:	-72.5900	K
14) γ -Butyrolactone		
Datum:	478.1500	---
Estimate:	405.7600	K
Error:	-72.3900	K
15) Pyrazole		
Datum:	460.1500	---
Estimate:	388.6800	K
Error:	-71.4700	K
16) 4-Hydroxybenzaldehyde		
Datum:	583.1500	---
Estimate:	515.6400	K
Error:	-67.5100	K
17) 1,5-Dichloropentane		
Datum:	455.1500	---
Estimate:	388.7800	K
Error:	-66.3700	K
18) N-tert-Butylformamide		
Datum:	475.1500	---
Estimate:	409.5200	K
Error:	-65.6300	K
19) N-Phenylacetamide		
Datum:	576.9500	---
Estimate:	513.2800	K
Error:	-63.6700	K
20) Bis(2-chloroethyl) ether		
Datum:	451.6500	---
Estimate:	388.3200	K
Error:	-63.3300	K

Estimated using Joback Method [MKS] 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.