Data model $\mathcal{M}_{Exp}$

$\tau \sim Exp(\text{mean} = 0.1\,\text{MGA})$ $\tau \sim Exp(\text{mean} = 0.3\,\text{MGA})$ $\tau \sim Exp(\text{mean} = 0.4\,\text{MGA})$ $\tau \sim Exp(\text{mean} = 0.6\,\text{MGA})$ $\tau \sim Exp(\text{mean} = 0.7\,\text{MGA})$ $\tau \sim Exp(\text{mean} = 1.4\,\text{MGA})$

A $p(\hat{D}_T < 0.01) = 0.999$
B $p(\hat{D}_T < 0.01) = 0.998$
C $p(\hat{D}_T < 0.01) = 0.998$
D $p(\hat{D}_T < 0.01) = 0.995$
E $p(\hat{D}_T < 0.01) = 0.991$
F $p(\hat{D}_T < 0.01) = 0.867$

$\mathcal{M}_{msBayes}$

G $p(\hat{D}_T < 0.01) = 0.967$
H $p(\hat{D}_T < 0.01) = 0.921$
I $p(\hat{D}_T < 0.01) = 0.877$
J $p(\hat{D}_T < 0.01) = 0.772$
K $p(\hat{D}_T < 0.01) = 0.65$
L $p(\hat{D}_T < 0.01) = 0.125$

$\mathcal{M}_{Ushaped}$

M $p(\hat{D}_T < 0.01) = 0.0$
N $p(\hat{D}_T < 0.01) = 0.0$
O $p(\hat{D}_T < 0.01) = 0.0$
P $p(\hat{D}_T < 0.01) = 0.0$
Q $p(\hat{D}_T < 0.01) = 0.0$
R $p(\hat{D}_T < 0.01) = 0.0$

$\mathcal{M}_{Uniform}$

S $p(\hat{D}_T < 0.01) = 0.002$
T $p(\hat{D}_T < 0.01) = 0.001$
U $p(\hat{D}_T < 0.01) = 0.0$
V $p(\hat{D}_T < 0.01) = 0.0$
W $p(\hat{D}_T < 0.01) = 0.0$
X $p(\hat{D}_T < 0.01) = 0.0$

$\mathcal{M}_{DPP}$

Inference model

Density

Estimated variance of divergence times, $\hat{D}_T$