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

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

Row $\mathcal{M}_{msBayes}$:
A $p(\hat{D}_T < D_T) = 0.999$
B $p(\hat{D}_T < D_T) = 0.998$
C $p(\hat{D}_T < D_T) = 0.998$
D $p(\hat{D}_T < D_T) = 0.998$
E $p(\hat{D}_T < D_T) = 0.997$
F $p(\hat{D}_T < D_T) = 0.969$

Row $\mathcal{M}_{Ushaped}$:
G $p(\hat{D}_T < D_T) = 0.981$
H $p(\hat{D}_T < D_T) = 0.965$
I $p(\hat{D}_T < D_T) = 0.952$
J $p(\hat{D}_T < D_T) = 0.94$
K $p(\hat{D}_T < D_T) = 0.909$
L $p(\hat{D}_T < D_T) = 0.799$

Row $\mathcal{M}_{Uniform}$:
M $p(\hat{D}_T < D_T) = 0.01$
N $p(\hat{D}_T < D_T) = 0.086$
O $p(\hat{D}_T < D_T) = 0.208$
P $p(\hat{D}_T < D_T) = 0.265$
Q $p(\hat{D}_T < D_T) = 0.335$
R $p(\hat{D}_T < D_T) = 0.487$

Row $\mathcal{M}_{DPP}$:
S $p(\hat{D}_T < D_T) = 0.4$
T $p(\hat{D}_T < D_T) = 0.606$
U $p(\hat{D}_T < D_T) = 0.682$
V $p(\hat{D}_T < D_T) = 0.641$
W $p(\hat{D}_T < D_T) = 0.614$
X $p(\hat{D}_T < D_T) = 0.457$

Inference model

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

True variance of divergence times, D_T