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Bayesian model averaging based reliability analysis method for monotonic degradation dataset based on inverse Gaussian process and Gamma process

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Highlights

- The Gamma process and IG process are selected as the candidate models.
- The BMA method is applied to consider the model uncertainty.
- The random effects are taken into account to consider the unit-to-unit variations.
- Bayesian inference is used to estimate distribution hyper-parameters.
- The priors are obtained by moment estimation and maximum-likelihood estimation.

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