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**Abstract**

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**Key** **Words:** Bayesian, parametric, *p*-value, Fisher

1. Primary Subhead

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| **Table 1:** Possible Rankings of A, B, and C and Corresponding Posterior Probabilities(Because of rounding, not all columns sum to one.) |
|  | *Errors* | *Posterior probability**as a function of β* | *Posterior probability for specified β* |
| *(RA, RB, RC)* | *g(****R****)* | *β = .5* | *β = .3* | *β = .1* | *β = .01* |
| (1, 2, 3) | 0 | 1/(1+2*β*+2*β*2+*β*3) | .381 | .553 | .819 | .980 |
| (1, 3, 2) | 1 | *β*/(1+2*β*+2*β*2+*β*3) | .190 | .166 | .082 | .010 |
| (2, 1, 3) | 1 | *β*/(1+2*β*+2*β*2+*β*3) | .190 | .166 | .082 | .010 |
| (2, 3, 1) | 2 | *β2*/(1+2*β*+2*β*2+*β*3) | .095 | .050 | .008 | .000 |
| (3, 1, 2) | 2 | *β2*/(1+2*β*+2*β*2+*β*3) | .095 | .050 | .008 | .000 |
| (3, 2, 1) | 3 | *β3*/(1+2*β*+2*β*2+*β*3) | .048 | .015 | .001 | .000 |
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Figure 1: Actual confidence interval coverages, *J* = 4, *ρ* = .85, nominal confidence level = .75, quantile = .01

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