Simulation Analysis: table the results

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| true.beta1 | 0.0000 | 0.0400 | 0.1000 | 0.2000 | 0.0000 | 0.0400 | 0.1000 | 0.2000 |
| BayesB1bias | 0.0021 | 0.0017 | 0.0021 | 0.0039 | 0.0022 | 0.0043 | 0.0045 | 0.0042 |
| BayesN1bias | 0.0237 | 0.0214 | 0.0203 | 0.0134 | 0.0247 | 0.0246 | 0.0217 | 0.0145 |
| Freq1bias | 0.0220 | 0.0201 | 0.0189 | 0.0172 | 0.0231 | 0.0233 | 0.0202 | 0.0176 |
| BayesB1cover | 0.9580 | 0.9640 | 0.9620 | 0.9760 | 0.9680 | 0.9590 | 0.9510 | 0.9620 |
| BayesN1cover | 0.9110 | 0.9160 | 0.9090 | 0.9400 | 0.9150 | 0.8940 | 0.8790 | 0.9190 |
| Freq1cover | 0.9270 | 0.9370 | 0.9470 | 0.9410 | 0.9380 | 0.9180 | 0.9080 | 0.9290 |
| BayesB1mse | 0.0013 | 0.0012 | 0.0011 | 0.0009 | 0.0012 | 0.0012 | 0.0012 | 0.0010 |
| BayesN1mse | 0.0019 | 0.0018 | 0.0017 | 0.0013 | 0.0019 | 0.0020 | 0.0019 | 0.0015 |
| Freq1mse | 0.0019 | 0.0019 | 0.0017 | 0.0015 | 0.0019 | 0.0021 | 0.0019 | 0.0017 |
| BayesB1power | 0.0420 | 0.2150 | 0.8440 | 0.9990 | 0.0320 | 0.2360 | 0.8670 | 1.0000 |
| BayesN1power | 0.0890 | 0.3880 | 0.9200 | 0.9990 | 0.0850 | 0.4040 | 0.9300 | 1.0000 |
| Freq1power | 0.0730 | 0.3150 | 0.8820 | 0.9990 | 0.0620 | 0.3430 | 0.8940 | 1.0000 |
| BayesB1se2mean | 0.0014 | 0.0013 | 0.0012 | 0.0011 | 0.0015 | 0.0013 | 0.0012 | 0.0011 |
| BayesN1se2mean | 0.0015 | 0.0014 | 0.0012 | 0.0011 | 0.0015 | 0.0014 | 0.0012 | 0.0011 |
| Freq1se2mean | 0.0018 | 0.0017 | 0.0015 | 0.0014 | 0.0018 | 0.0017 | 0.0015 | 0.0014 |
| mcse.biasB1 | 0.0011 | 0.0011 | 0.0011 | 0.0009 | 0.0011 | 0.0011 | 0.0011 | 0.0010 |
| mcse.biasN1 | 0.0012 | 0.0011 | 0.0011 | 0.0011 | 0.0011 | 0.0012 | 0.0012 | 0.0012 |
| mcse.biasF1 | 0.0012 | 0.0012 | 0.0012 | 0.0011 | 0.0012 | 0.0012 | 0.0012 | 0.0012 |
| RhatB1 | 1.0049 | 1.0049 | 1.0050 | 1.0050 | 1.0048 | 1.0051 | 1.0051 | 1.0049 |
| RhatN1 | 1.0031 | 1.0029 | 1.0028 | 1.0028 | 1.0030 | 1.0028 | 1.0027 | 1.0025 |
| true.beta2 | 0.0000 | 0.0000 | 0.0300 | -0.2000 | 0.0000 | 0.0000 | 0.0300 | -0.2000 |
| BayesB2bias | -0.0075 | -0.0025 | 0.0022 | -0.0032 | -0.0057 | -0.0059 | -0.0047 | -0.0023 |
| BayesN2bias | -0.0358 | -0.0310 | -0.0283 | -0.0122 | -0.0357 | -0.0345 | -0.0326 | -0.0144 |
| Freq2bias | -0.0301 | -0.0270 | -0.0226 | -0.0196 | -0.0307 | -0.0298 | -0.0269 | -0.0204 |
| BayesB2cover | 0.9640 | 0.9720 | 0.9600 | 0.9650 | 0.9750 | 0.9610 | 0.9610 | 0.9630 |
| BayesN2cover | 0.9370 | 0.9470 | 0.9300 | 0.9560 | 0.9530 | 0.9260 | 0.9090 | 0.9420 |
| Freq2cover | 0.9540 | 0.9690 | 0.9480 | 0.9570 | 0.9640 | 0.9380 | 0.9360 | 0.9460 |
| BayesB2mse | 0.0060 | 0.0052 | 0.0044 | 0.0036 | 0.0060 | 0.0063 | 0.0048 | 0.0043 |
| BayesN2mse | 0.0070 | 0.0063 | 0.0058 | 0.0045 | 0.0069 | 0.0078 | 0.0066 | 0.0055 |
| Freq2mse | 0.0075 | 0.0072 | 0.0062 | 0.0052 | 0.0078 | 0.0090 | 0.0067 | 0.0063 |
| BayesB2power | 0.0360 | 0.0280 | 0.0760 | 0.8610 | 0.0250 | 0.0390 | 0.0640 | 0.8590 |
| BayesN2power | 0.0630 | 0.0530 | 0.0490 | 0.8750 | 0.0470 | 0.0740 | 0.0640 | 0.8700 |
| Freq2power | 0.0460 | 0.0310 | 0.0450 | 0.8690 | 0.0360 | 0.0620 | 0.0540 | 0.8510 |
| BayesB2se2mean | 0.0070 | 0.0062 | 0.0049 | 0.0047 | 0.0071 | 0.0061 | 0.0049 | 0.0046 |
| BayesN2se2mean | 0.0069 | 0.0063 | 0.0050 | 0.0049 | 0.0071 | 0.0063 | 0.0051 | 0.0048 |
| Freq2se2mean | 0.0084 | 0.0080 | 0.0063 | 0.0061 | 0.0087 | 0.0077 | 0.0061 | 0.0059 |
| mcse.biasB2 | 0.0024 | 0.0023 | 0.0021 | 0.0019 | 0.0025 | 0.0025 | 0.0022 | 0.0021 |
| mcse.biasN2 | 0.0024 | 0.0023 | 0.0022 | 0.0021 | 0.0024 | 0.0026 | 0.0024 | 0.0023 |
| mcse.biasF2 | 0.0026 | 0.0025 | 0.0024 | 0.0022 | 0.0026 | 0.0029 | 0.0024 | 0.0024 |
| RhatB2 | 1.0061 | 1.0059 | 1.0058 | 1.0058 | 1.0058 | 1.0061 | 1.0060 | 1.0058 |
| RhatN2 | 1.0039 | 1.0036 | 1.0033 | 1.0034 | 1.0037 | 1.0034 | 1.0033 | 1.0030 |
| true.tau | 0.0010 | 0.0010 | 0.0010 | 0.0010 | 0.0100 | 0.0100 | 0.0100 | 0.0100 |
| BayesBtaubias | 0.0327 | 0.0320 | 0.0287 | 0.0284 | 0.0255 | 0.0227 | 0.0201 | 0.0212 |
| BayesNtaubias | 0.0373 | 0.0380 | 0.0367 | 0.0370 | 0.0305 | 0.0301 | 0.0288 | 0.0299 |
| BayesBtaucover | 0.9580 | 0.9550 | 0.9600 | 0.9610 | 0.9770 | 0.9830 | 0.9850 | 0.9790 |
| BayesNtaucover | 0.8860 | 0.8580 | 0.8160 | 0.8170 | 0.9140 | 0.8930 | 0.8720 | 0.8590 |
| BayesBtaumse | 0.0012 | 0.0012 | 0.0010 | 0.0009 | 0.0009 | 0.0007 | 0.0005 | 0.0006 |
| BayesNtaumse | 0.0017 | 0.0018 | 0.0017 | 0.0018 | 0.0013 | 0.0013 | 0.0012 | 0.0014 |
| BayesBtaupower | 0.0460 | 0.0480 | 0.0440 | 0.0430 | 0.0660 | 0.0490 | 0.0540 | 0.0710 |
| BayesNtaupower | 0.1190 | 0.1520 | 0.1900 | 0.1890 | 0.1390 | 0.1760 | 0.2140 | 0.2210 |
| BayesBtause2mean | 0.0006 | 0.0005 | 0.0004 | 0.0004 | 0.0006 | 0.0005 | 0.0004 | 0.0004 |
| BayesNtause2mean | 0.0006 | 0.0006 | 0.0005 | 0.0005 | 0.0006 | 0.0006 | 0.0005 | 0.0005 |
| mcse.biastauB | 0.0004 | 0.0004 | 0.0004 | 0.0003 | 0.0005 | 0.0004 | 0.0004 | 0.0004 |
| mcse.biastauN | 0.0006 | 0.0006 | 0.0006 | 0.0006 | 0.0006 | 0.0007 | 0.0006 | 0.0007 |
| RhatBtau | 1.0107 | 1.0115 | 1.0105 | 1.0107 | 1.0111 | 1.0108 | 1.0106 | 1.0107 |
| RhatNtau | 1.0057 | 1.0056 | 1.0061 | 1.0060 | 1.0060 | 1.0063 | 1.0059 | 1.0064 |