

| $N =$ | 50 | 100 | 150 | 200 | 250 | 300 | 350 | 400 | 800 | 1200 | 1600 | |
|---|----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Overall mean of the posterior estimated mean of μ | | | | | | | | | | | | |
| True ν | 3 | -0.007 | 0.0 | 0.002 | 0.0 | 0.001 | -0.002 | 0.002 | 0.001 | -0.002 | 0.002 | 0.001 |
| | 5 | -0.015 | 0.001 | -0.001 | 0.004 | -0.0 | -0.002 | 0.002 | -0.0 | -0.002 | 0.001 | 0.0 |
| | 7 | -0.0 | 0.007 | 0.004 | 0.004 | 0.0 | 0.001 | -0.001 | -0.001 | -0.003 | 0.001 | -0.001 |
| Overall sd of the posterior estimated mean of μ | | | | | | | | | | | | |
| True ν | 3 | 0.184 | 0.128 | 0.103 | 0.087 | 0.08 | 0.072 | 0.066 | 0.063 | 0.042 | 0.037 | 0.03 |
| | 5 | 0.164 | 0.117 | 0.095 | 0.081 | 0.076 | 0.071 | 0.061 | 0.06 | 0.04 | 0.033 | 0.03 |
| | 7 | 0.159 | 0.108 | 0.094 | 0.079 | 0.071 | 0.063 | 0.063 | 0.056 | 0.039 | 0.033 | 0.028 |
| Overall 2.5%-tile of the posterior estimated mean of μ | | | | | | | | | | | | |
| True ν | 3 | -0.362 | -0.251 | -0.208 | -0.174 | -0.153 | -0.144 | -0.119 | -0.122 | -0.087 | -0.07 | -0.058 |
| | 5 | -0.352 | -0.235 | -0.183 | -0.15 | -0.152 | -0.138 | -0.114 | -0.111 | -0.081 | -0.063 | -0.057 |
| | 7 | -0.34 | -0.202 | -0.178 | -0.146 | -0.14 | -0.119 | -0.127 | -0.106 | -0.079 | -0.062 | -0.055 |
| Overall 97.5%-tile of the posterior estimated mean of μ | | | | | | | | | | | | |
| True ν | 3 | 0.358 | 0.264 | 0.21 | 0.177 | 0.163 | 0.149 | 0.125 | 0.133 | 0.076 | 0.072 | 0.059 |
| | 5 | 0.292 | 0.225 | 0.187 | 0.162 | 0.154 | 0.14 | 0.118 | 0.116 | 0.081 | 0.064 | 0.057 |
| | 7 | 0.299 | 0.206 | 0.191 | 0.163 | 0.141 | 0.127 | 0.123 | 0.108 | 0.076 | 0.064 | 0.054 |
| Overall mean of the posterior estimated sd of μ | | | | | | | | | | | | |
| True ν | 3 | 0.18 | 0.126 | 0.101 | 0.087 | 0.078 | 0.071 | 0.066 | 0.062 | 0.043 | 0.035 | 0.031 |
| | 5 | 0.165 | 0.116 | 0.095 | 0.082 | 0.073 | 0.067 | 0.062 | 0.058 | 0.041 | 0.033 | 0.029 |
| | 7 | 0.159 | 0.112 | 0.092 | 0.079 | 0.071 | 0.065 | 0.06 | 0.056 | 0.04 | 0.032 | 0.028 |
| Overall sd of the posterior estimated sd of μ | | | | | | | | | | | | |
| True ν | 3 | 0.026 | 0.014 | 0.009 | 0.006 | 0.005 | 0.005 | 0.004 | 0.003 | 0.002 | 0.001 | 0.001 |
| | 5 | 0.022 | 0.011 | 0.007 | 0.005 | 0.004 | 0.004 | 0.003 | 0.003 | 0.001 | 0.001 | 0.001 |
| | 7 | 0.02 | 0.01 | 0.007 | 0.005 | 0.004 | 0.003 | 0.003 | 0.003 | 0.001 | 0.001 | 0.001 |
| Overall 2.5%-tile of the posterior estimated sd of μ | | | | | | | | | | | | |
| True ν | 3 | 0.134 | 0.101 | 0.085 | 0.075 | 0.068 | 0.063 | 0.059 | 0.055 | 0.04 | 0.033 | 0.029 |
| | 5 | 0.126 | 0.095 | 0.082 | 0.072 | 0.065 | 0.06 | 0.056 | 0.053 | 0.038 | 0.032 | 0.027 |
| | 7 | 0.12 | 0.092 | 0.079 | 0.07 | 0.063 | 0.058 | 0.054 | 0.051 | 0.037 | 0.031 | 0.027 |
| Overall 97.5%-tile of the posterior estimated sd of μ | | | | | | | | | | | | |
| True ν | 3 | 0.234 | 0.153 | 0.118 | 0.101 | 0.089 | 0.081 | 0.074 | 0.068 | 0.047 | 0.038 | 0.032 |
| | 5 | 0.209 | 0.137 | 0.109 | 0.093 | 0.082 | 0.074 | 0.068 | 0.063 | 0.044 | 0.035 | 0.03 |
| | 7 | 0.2 | 0.134 | 0.106 | 0.089 | 0.079 | 0.071 | 0.065 | 0.061 | 0.042 | 0.034 | 0.029 |
| Overall mean of the posterior estimated 2.5%-tile of μ | | | | | | | | | | | | |
| True ν | 3 | -0.361 | -0.247 | -0.196 | -0.171 | -0.152 | -0.142 | -0.128 | -0.119 | -0.087 | -0.068 | -0.059 |
| | 5 | -0.339 | -0.227 | -0.188 | -0.157 | -0.144 | -0.133 | -0.119 | -0.114 | -0.082 | -0.065 | -0.056 |
| | 7 | -0.312 | -0.213 | -0.176 | -0.152 | -0.139 | -0.126 | -0.118 | -0.11 | -0.08 | -0.063 | -0.056 |
| Overall sd of the posterior estimated 2.5%-tile of μ | | | | | | | | | | | | |
| True ν | 3 | 0.193 | 0.132 | 0.104 | 0.089 | 0.08 | 0.073 | 0.067 | 0.064 | 0.042 | 0.037 | 0.03 |
| | 5 | 0.173 | 0.12 | 0.097 | 0.081 | 0.076 | 0.071 | 0.061 | 0.061 | 0.04 | 0.033 | 0.03 |
| | 7 | 0.162 | 0.11 | 0.095 | 0.08 | 0.071 | 0.064 | 0.064 | 0.056 | 0.039 | 0.033 | 0.028 |
| Overall 2.5%-tile of the posterior estimated 2.5%-tile of μ | | | | | | | | | | | | |
| True ν | 3 | -0.749 | -0.507 | -0.412 | -0.347 | -0.308 | -0.288 | -0.254 | -0.242 | -0.172 | -0.139 | -0.117 |
| | 5 | -0.676 | -0.458 | -0.382 | -0.314 | -0.294 | -0.267 | -0.237 | -0.225 | -0.162 | -0.129 | -0.113 |
| | 7 | -0.651 | -0.421 | -0.36 | -0.304 | -0.282 | -0.25 | -0.239 | -0.217 | -0.156 | -0.124 | -0.11 |
| Overall 97.5%-tile of the posterior estimated 2.5%-tile of μ | | | | | | | | | | | | |
| True ν | 3 | 0.009 | 0.004 | 0.009 | 0.004 | 0.004 | 0.007 | -0.001 | 0.009 | -0.009 | 0.002 | -0.002 |
| | 5 | 0.009 | 0.0 | 0.002 | -0.001 | 0.009 | 0.008 | -0.005 | 0.002 | 0.001 | -0.002 | -0.001 |
| | 7 | -0.009 | -0.011 | 0.011 | 0.01 | -0.001 | 0.001 | 0.008 | -0.003 | -0.002 | 0.001 | -0.002 |
| Overall mean of the posterior estimated 97.5%-tile of μ | | | | | | | | | | | | |
| True ν | 3 | 0.348 | 0.247 | 0.201 | 0.172 | 0.154 | 0.138 | 0.131 | 0.122 | 0.083 | 0.071 | 0.061 |
| | 5 | 0.308 | 0.229 | 0.186 | 0.165 | 0.144 | 0.13 | 0.123 | 0.113 | 0.078 | 0.066 | 0.057 |
| | 7 | 0.312 | 0.227 | 0.184 | 0.159 | 0.14 | 0.128 | 0.116 | 0.109 | 0.075 | 0.064 | 0.054 |
| Overall sd of the posterior estimated 97.5%-tile of μ | | | | | | | | | | | | |
| True ν | 3 | 0.191 | 0.131 | 0.104 | 0.087 | 0.081 | 0.073 | 0.066 | 0.064 | 0.042 | 0.037 | 0.031 |
| | 5 | 0.166 | 0.12 | 0.095 | 0.082 | 0.076 | 0.071 | 0.061 | 0.061 | 0.041 | 0.033 | 0.03 |
| | 7 | 0.164 | 0.109 | 0.095 | 0.079 | 0.071 | 0.064 | 0.064 | 0.056 | 0.04 | 0.033 | 0.028 |
| Overall 2.5%-tile of the posterior estimated 97.5%-tile of μ | | | | | | | | | | | | |
| True ν | 3 | -0.02 | -0.005 | -0.005 | 0.004 | -0.001 | -0.003 | 0.006 | 0.002 | -0.0 | 0.0 | 0.002 |
| | 5 | -0.017 | -0.001 | -0.005 | 0.008 | -0.007 | -0.008 | 0.007 | -0.001 | -0.001 | 0.002 | -0.001 |
| | 7 | -0.031 | 0.017 | 0.004 | 0.005 | 0.001 | 0.007 | -0.009 | 0.004 | -0.001 | 0.001 | 0.001 |
| Overall 97.5%-tile of the posterior estimated 97.5%-tile of μ | | | | | | | | | | | | |
| True ν | 3 | 0.73 | 0.517 | 0.416 | 0.352 | 0.32 | 0.29 | 0.256 | 0.251 | 0.161 | 0.141 | 0.12 |
| | 5 | 0.615 | 0.46 | 0.369 | 0.327 | 0.295 | 0.278 | 0.242 | 0.231 | 0.161 | 0.129 | 0.114 |
| | 7 | 0.626 | 0.431 | 0.372 | 0.311 | 0.284 | 0.258 | 0.239 | 0.215 | 0.152 | 0.128 | 0.109 |