

Results

Bayesian Independent Samples T-Test

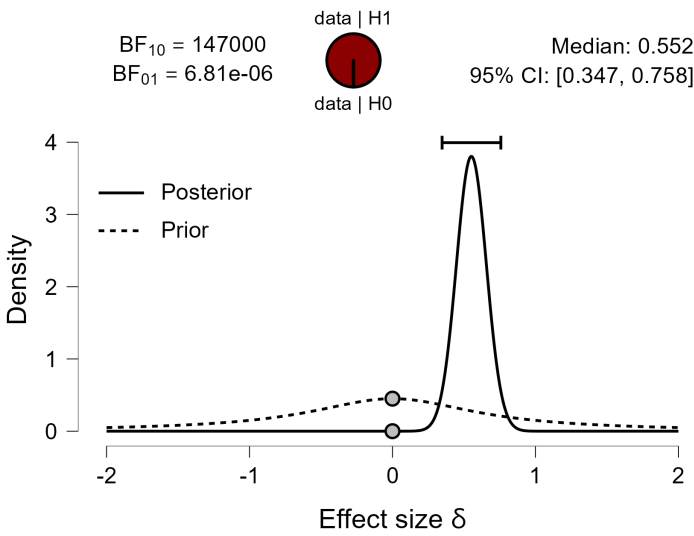
Bayesian Independent Samples T-Test

| | BF ₁₀ | error % |
|----------------------------------------|------------------|-----------|
| Flight Distance | 146750.982 | 1.497e-11 |
| Departure Delay | 0.294 | 0.057 |
| Arrival Delay | 0.194 | 0.083 |
| Departure and Arrival Time Convenience | 3.313e+6 | 6.008e-13 |
| Ease of Online Booking | 1.723 | 0.011 |
| Check-in Service | 0.123 | 0.126 |
| Online Boarding | 692.336 | 4.090e-5 |
| Gate Location | 0.343 | 0.050 |
| On-board Service | 0.127 | 0.122 |
| Seat Comfort | 0.277 | 0.061 |
| Leg Room Service | 2.114 | 0.009 |
| Cleanliness | 0.119 | 0.130 |
| Food and Drink | 0.191 | 0.085 |
| In-flight Service | 0.242 | 0.068 |
| In-flight Wifi Service | 0.423 | 0.041 |
| In-flight Entertainment | 0.391 | 0.044 |
| Baggage Handling | 0.125 | 0.123 |

Inferential Plots

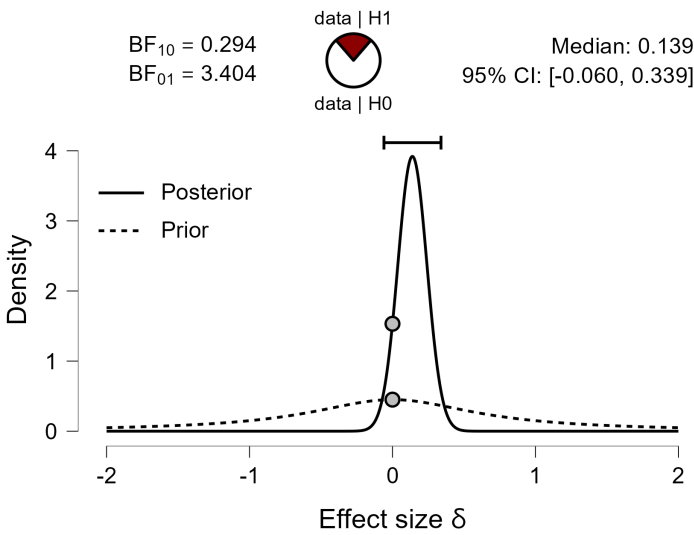
Flight Distance

Prior and Posterior



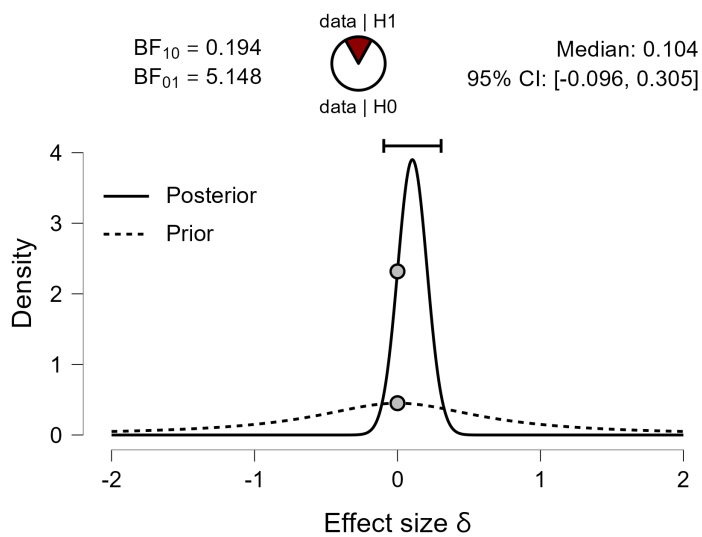
Departure Delay

Prior and Posterior



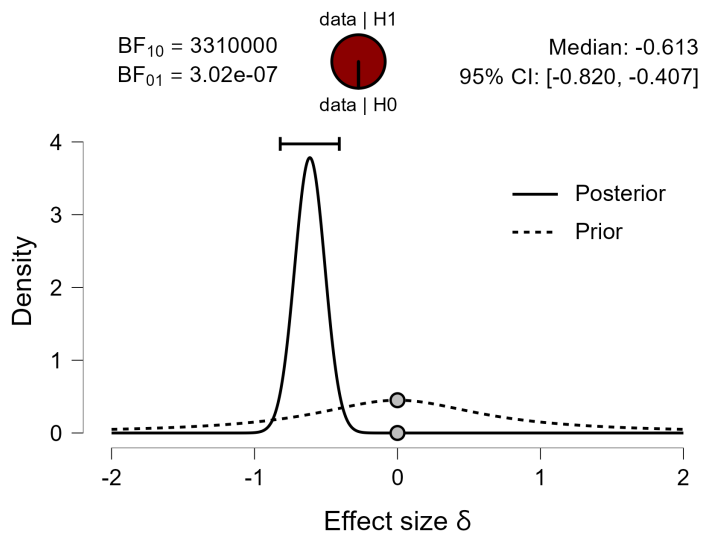
Arrival Delay

Prior and Posterior



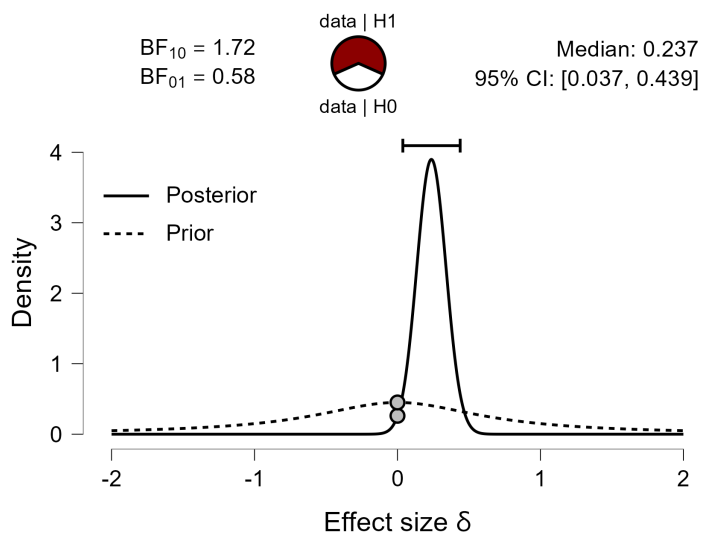
Departure and Arrival Time Convenience

Prior and Posterior



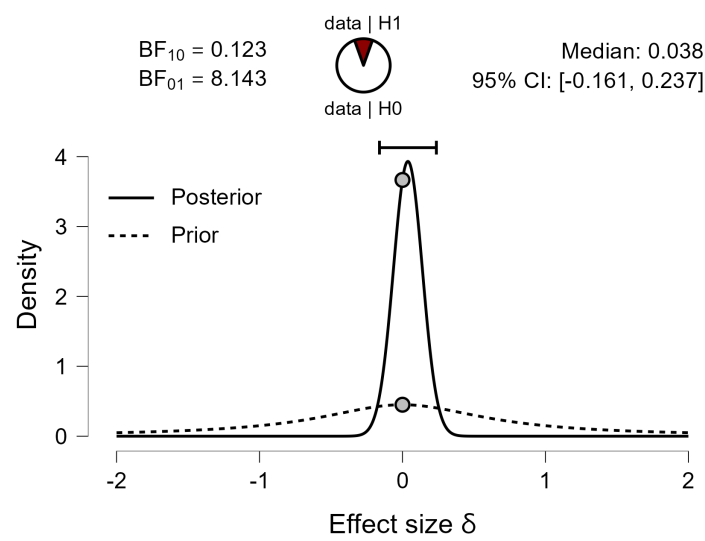
Ease of Online Booking

Prior and Posterior



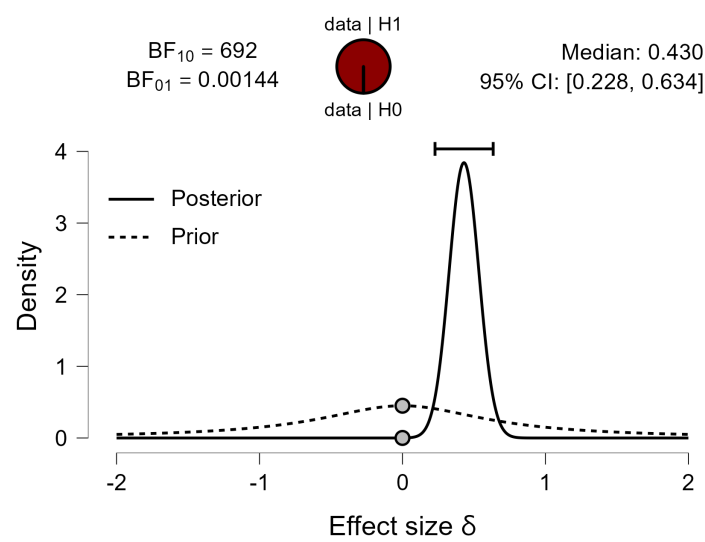
Check-in Service

Prior and Posterior



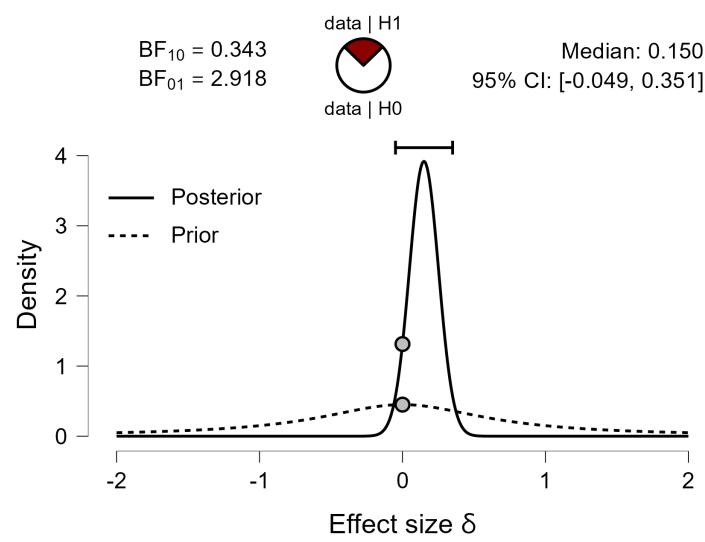
Online Boarding

Prior and Posterior



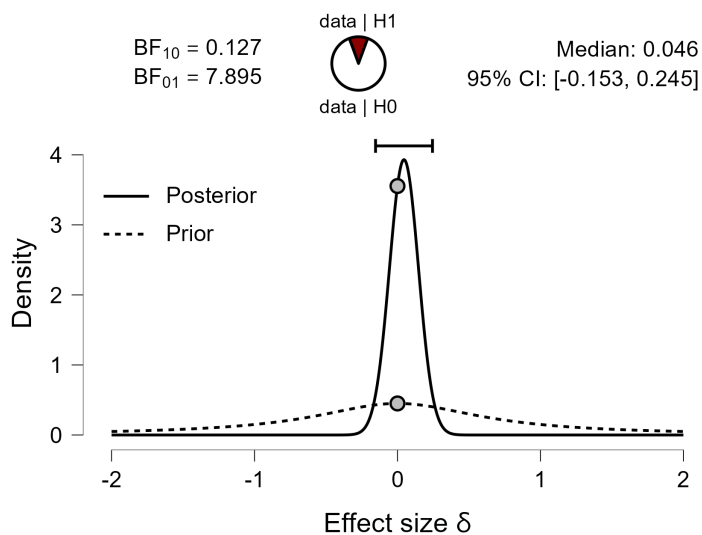
Gate Location

Prior and Posterior



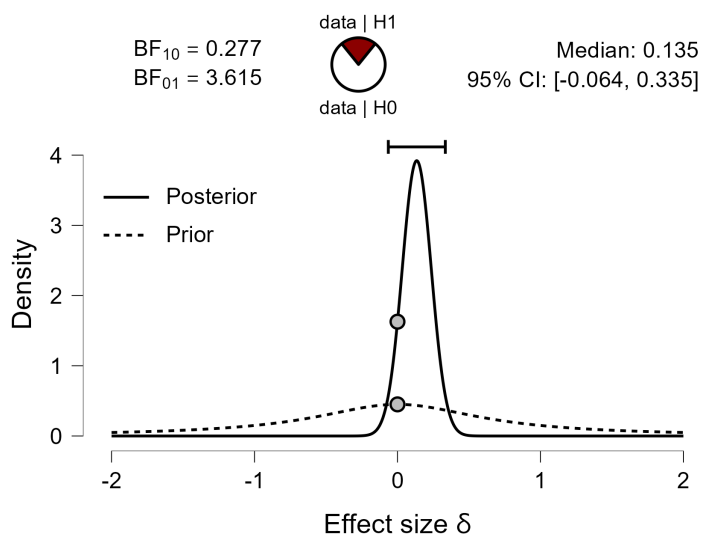
On-board Service

Prior and Posterior



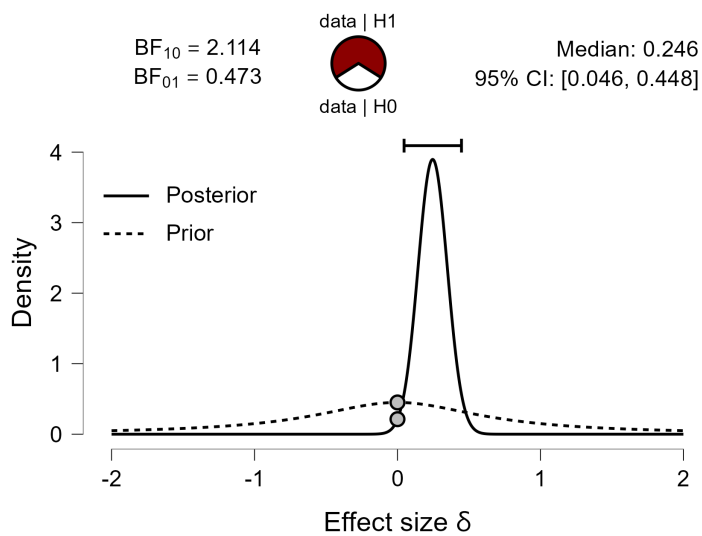
Seat Comfort

Prior and Posterior



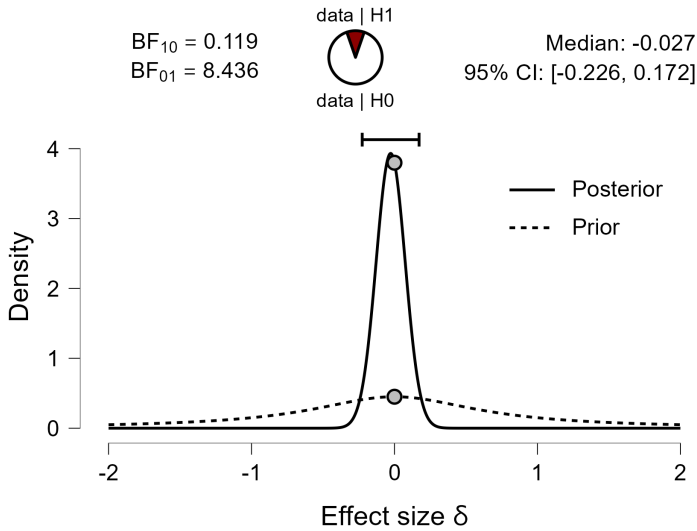
Leg Room Service

Prior and Posterior



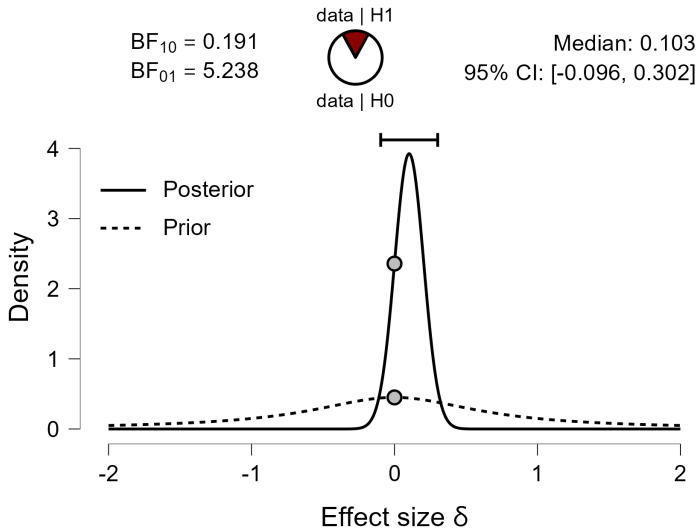
Cleanliness

Prior and Posterior



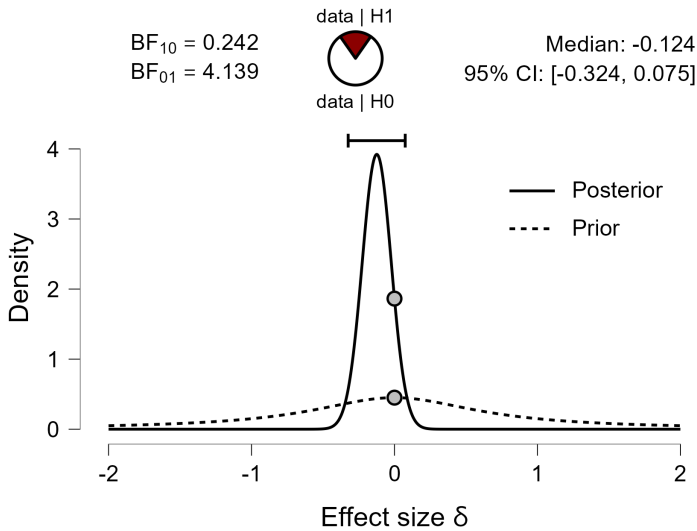
Food and Drink

Prior and Posterior



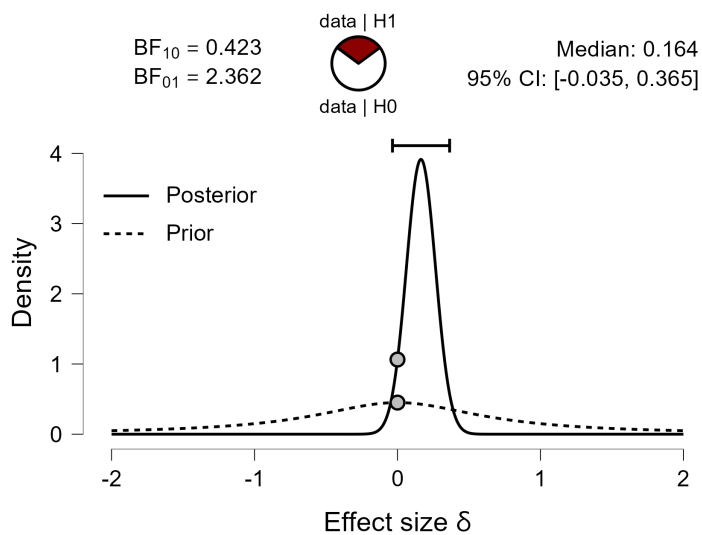
In-flight Service

Prior and Posterior



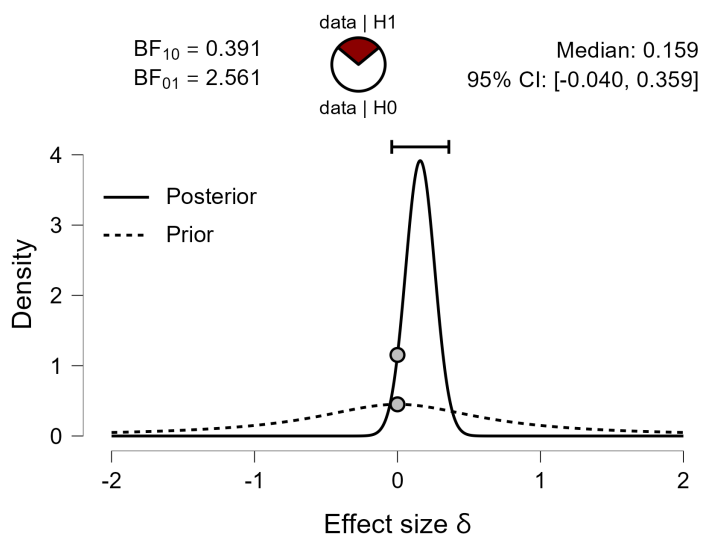
In-flight Wifi Service

Prior and Posterior



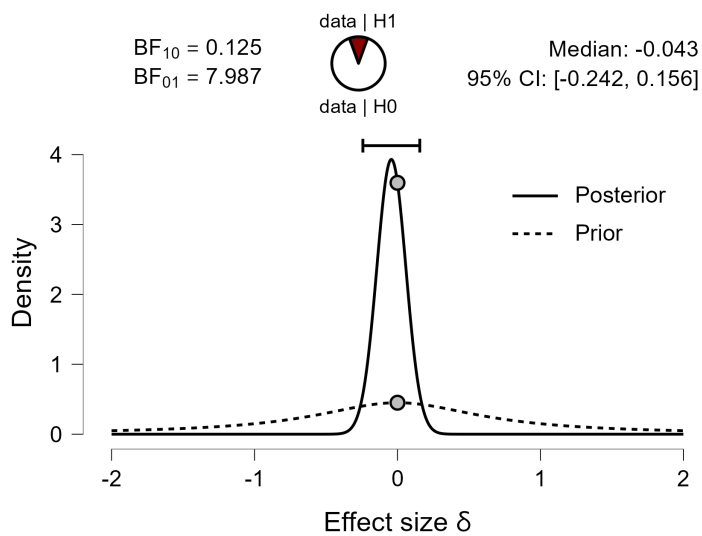
In-flight Entertainment

Prior and Posterior



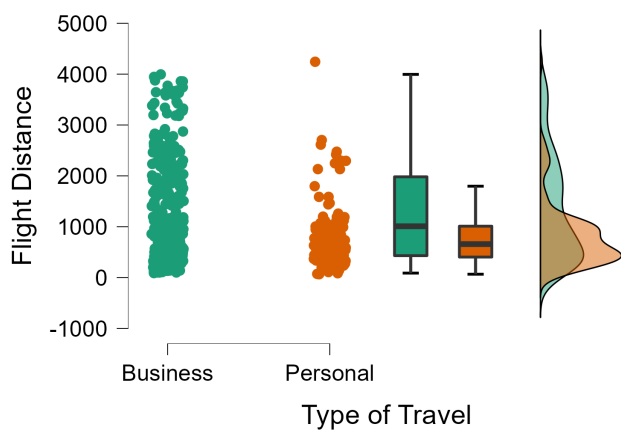
Baggage Handling

Prior and Posterior

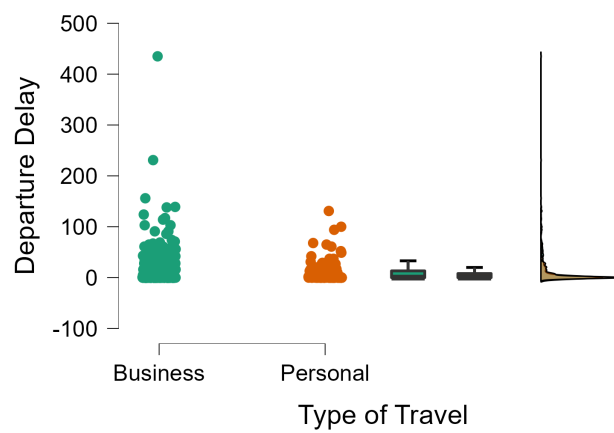


Raincloud Plots

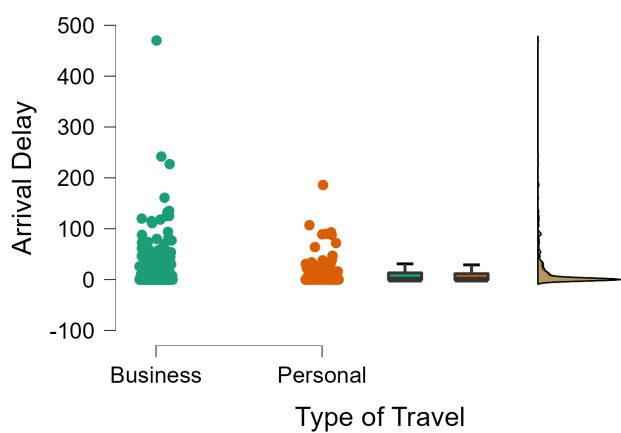
Flight Distance



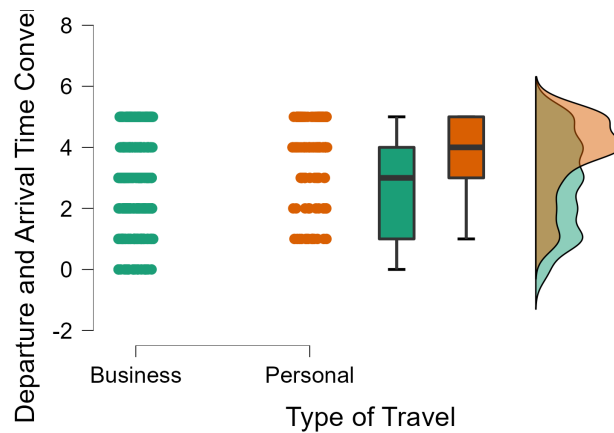
Departure Delay



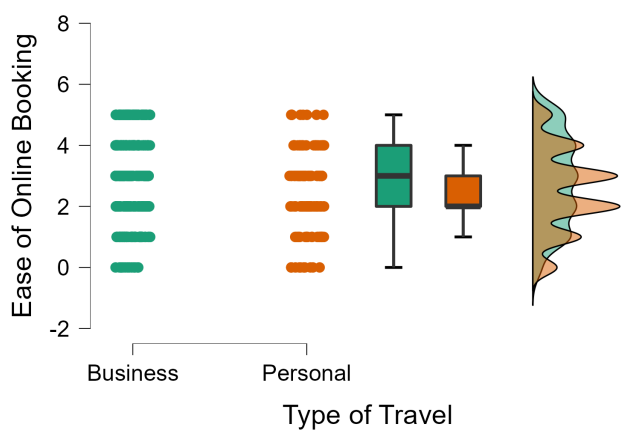
Arrival Delay



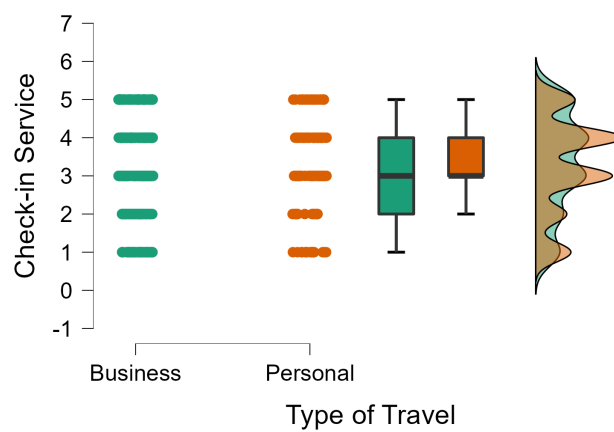
Departure and Arrival Time Convenience



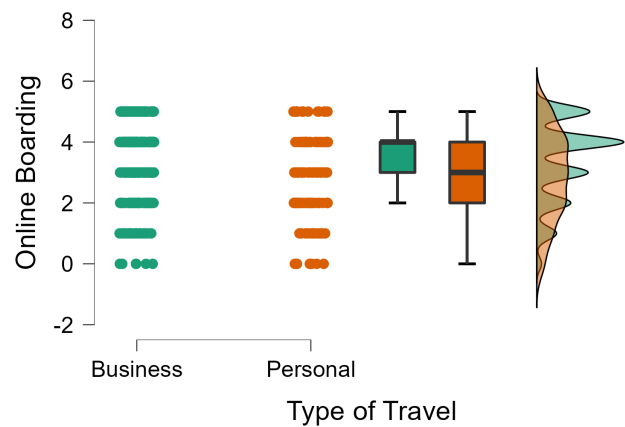
Ease of Online Booking



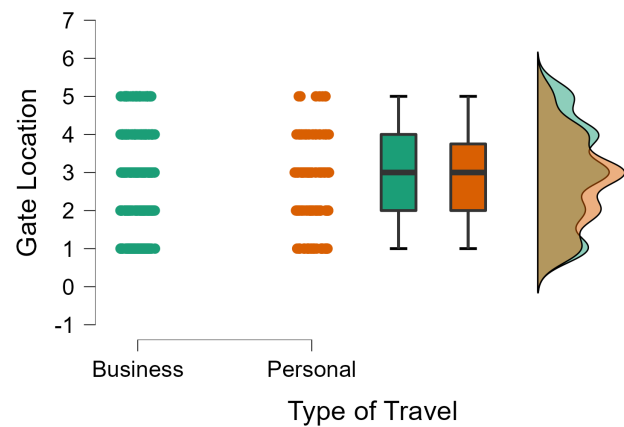
Check-in Service



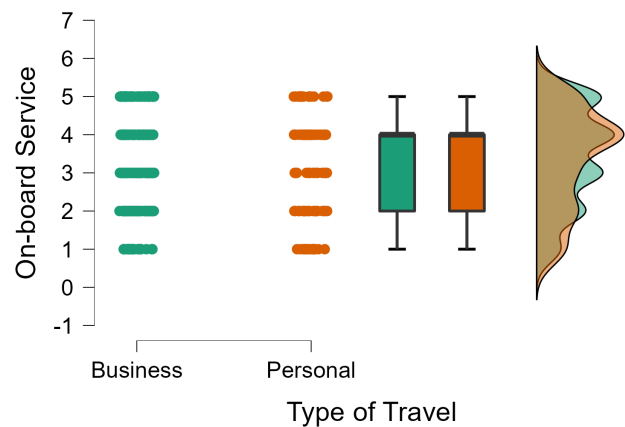
Online Boarding



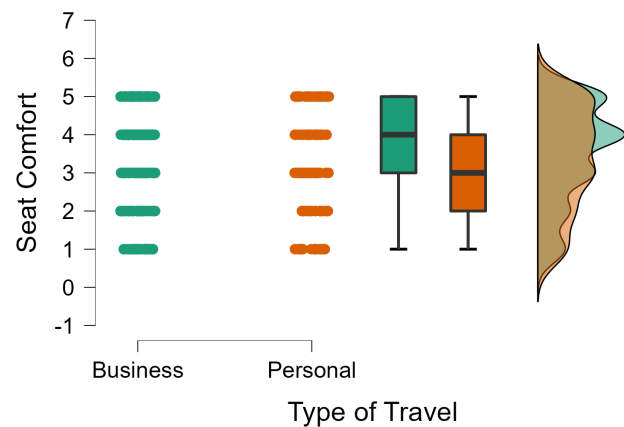
Gate Location



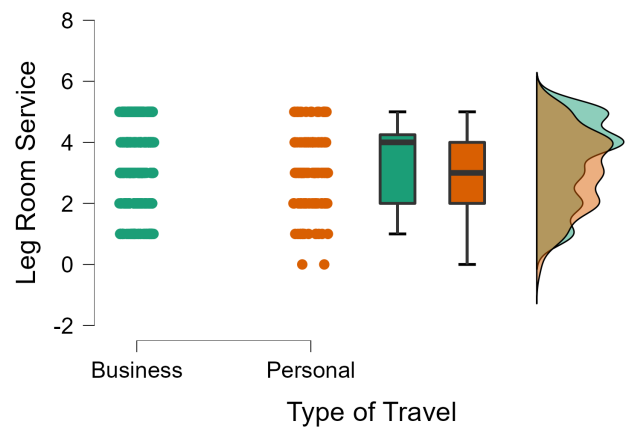
On-board Service



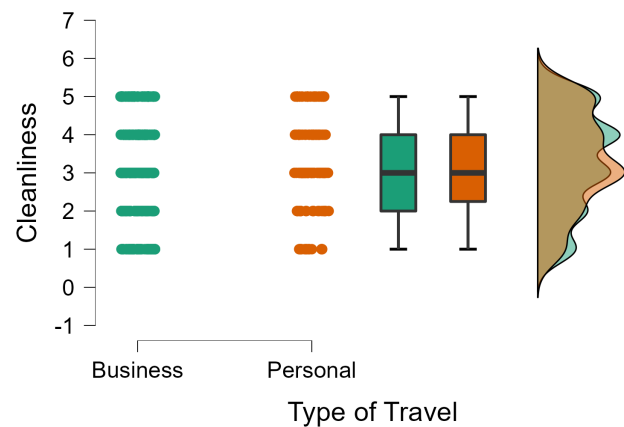
Seat Comfort



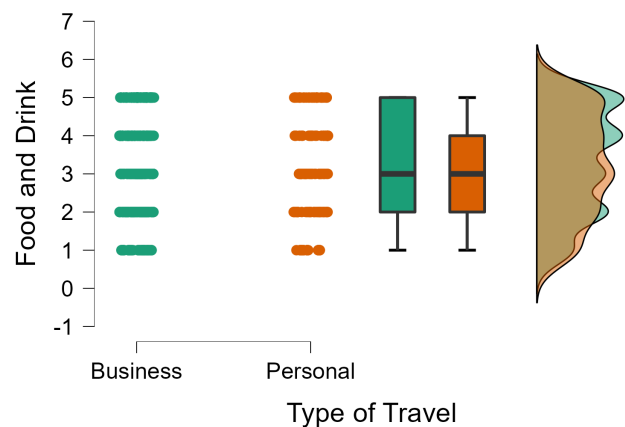
Leg Room Service



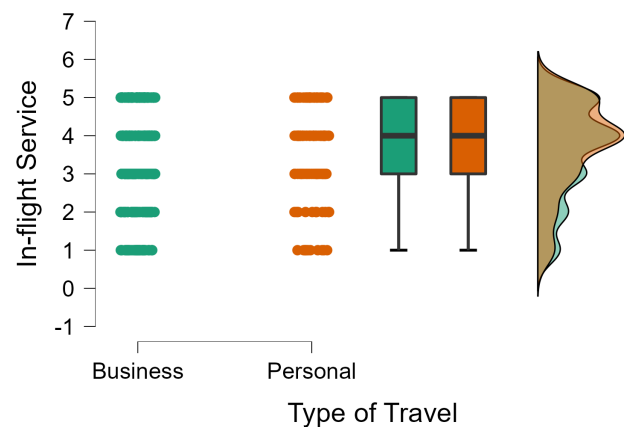
Cleanliness



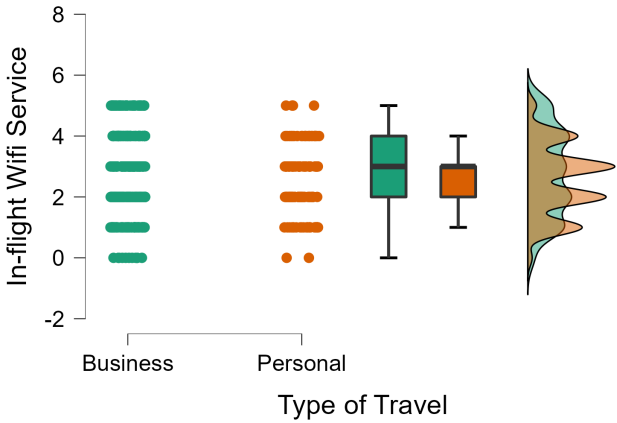
Food and Drink



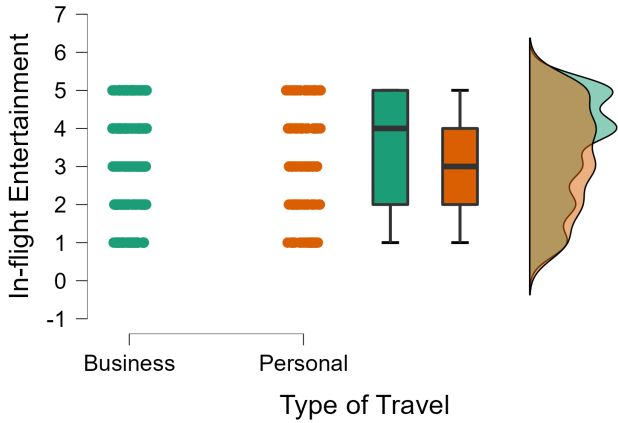
In-flight Service



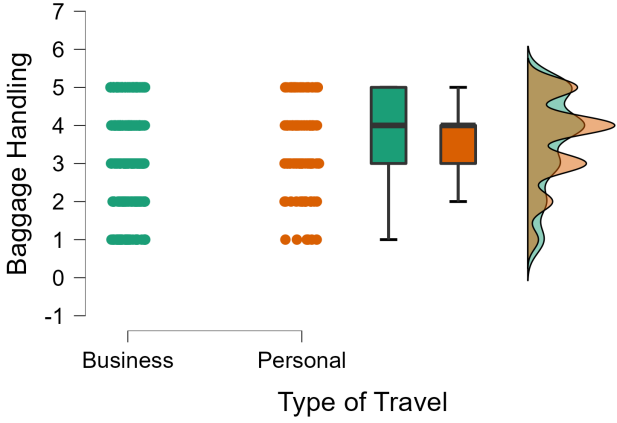
In-flight Wifi Service



In-flight Entertainment



Baggage Handling



Bayesian Linear Regression

Model Comparison - In-flight Wifi Service

| Models | P(M) | P(M data) | BF _M | BF ₁₀ |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-----------|-----------------|------------------|
| Flight Distance + Ease of Online Booking + Online Boarding + Gate Location + In-flight Entertainment | 1.347e-5 | 0.072 | 5741.081 | 1.000 |
| Flight Distance + Ease of Online Booking + Online Boarding + Gate Location + Seat Comfort + In-flight Entertainment | 7.346e-6 | 0.064 | 9346.487 | 1.641 |
| Flight Distance + Departure and Arrival Time Convenience + Ease of Online Booking + Online Boarding + In-flight Entertainment | 1.347e-5 | 0.060 | 4735.235 | 0.835 |
| Flight Distance + Ease of Online Booking + Online Boarding + In-flight Entertainment | 3.232e-5 | 0.044 | 1419.816 | 0.255 |
| Flight Distance + Departure and Arrival Time Convenience + Ease of Online Booking + Online Boarding + Seat Comfort + In-flight Entertainment | 7.346e-6 | 0.025 | 3548.241 | 0.649 |
| Flight Distance + Ease of Online Booking + Online Boarding + Gate Location + Seat Comfort + Cleanliness + In-flight Entertainment | 5.142e-6 | 0.025 | 5038.015 | 0.922 |
| Flight Distance + Departure and Arrival Time Convenience + Ease of Online Booking + Online Boarding + Gate Location + In-flight Entertainment | 7.346e-6 | 0.023 | 3172.905 | 0.582 |
| Flight Distance + Departure and Arrival Time Convenience + Ease of Online Booking + Online Boarding + Gate Location + Seat Comfort + In-flight Entertainment | 5.142e-6 | 0.021 | 4209.792 | 0.773 |
| Flight Distance + Ease of Online Booking + Online Boarding + Gate Location + Seat Comfort + In-flight Service + In-flight Entertainment | 5.142e-6 | 0.018 | 3586.521 | 0.661 |
| Flight Distance + Ease of Online Booking + Online Boarding + Seat Comfort + In-flight Entertainment | 1.347e-5 | 0.016 | 1197.329 | 0.221 |

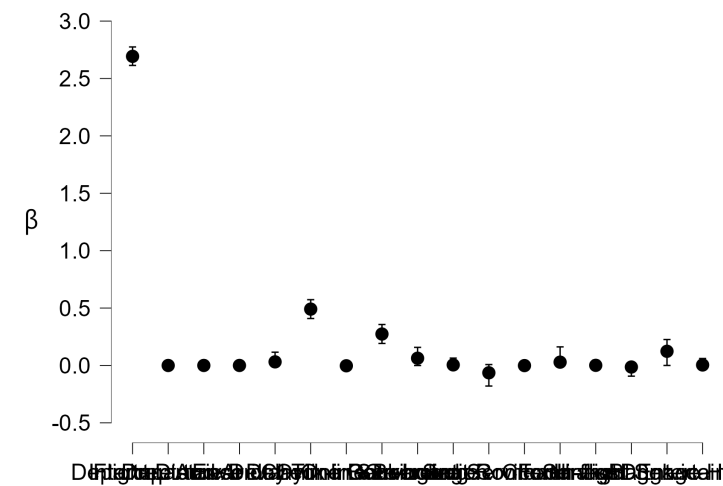
Note. Table displays only a subset of models; to see all models, select "No" under "Limit No. Models Shown".

Posterior Summary

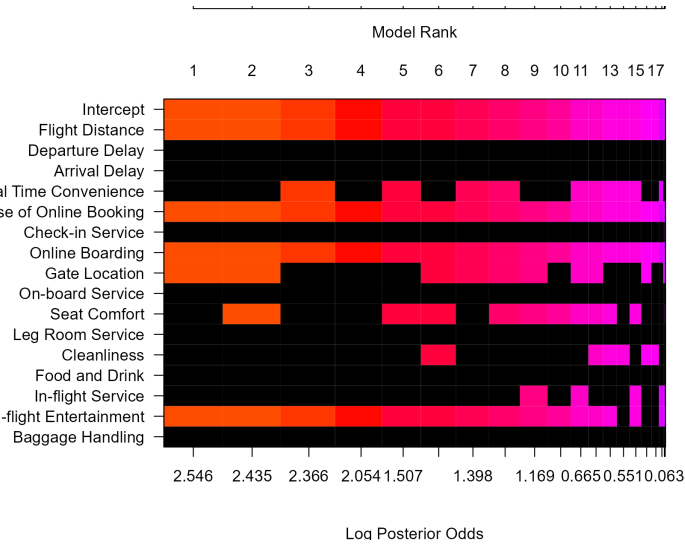
Posterior Summaries of Coefficients

| Coefficient | P(inc) | P(excl) | P(inc data) | P(excl data) | BF _{inclusion} | Mean | SD | 95% Credible Interval | |
|----------------------------------------|--------|---------|-------------|--------------|-------------------------|-----------|----------|-----------------------|-----------|
| | | | | | | | | Lower | Upper |
| Intercept | 1.000 | 0.000 | 1.000 | 0.000 | 1.000 | 2.693 | 0.042 | 2.614 | 2.775 |
| Flight Distance | 0.500 | 0.500 | 1.000 | 9.436e-7 | 1.060e+6 | -2.638e-4 | 4.503e-5 | -3.527e-4 | -1.792e-4 |
| Departure Delay | 0.500 | 0.500 | 0.089 | 0.911 | 0.098 | -2.133e-6 | 5.478e-4 | -6.897e-4 | 4.987e-4 |
| Arrival Delay | 0.500 | 0.500 | 0.090 | 0.910 | 0.099 | -2.832e-5 | 4.980e-4 | -0.001 | 1.447e-4 |
| Departure and Arrival Time Convenience | 0.500 | 0.500 | 0.452 | 0.548 | 0.825 | 0.031 | 0.041 | 0.000 | 0.116 |
| Ease of Online Booking | 0.500 | 0.500 | 1.000 | 1.876e-14 | 1.062e+27 | 0.491 | 0.043 | 0.409 | 0.573 |
| Check-in Service | 0.500 | 0.500 | 0.111 | 0.889 | 0.125 | -0.003 | 0.014 | -0.042 | 0.009 |
| Online Boarding | 0.500 | 0.500 | 1.000 | 6.948e-9 | 1.439e+8 | 0.274 | 0.043 | 0.192 | 0.357 |
| Gate Location | 0.500 | 0.500 | 0.624 | 0.376 | 1.662 | 0.063 | 0.058 | -5.963e-4 | 0.158 |
| On-board Service | 0.500 | 0.500 | 0.129 | 0.871 | 0.148 | 0.005 | 0.021 | -0.010 | 0.064 |
| Seat Comfort | 0.500 | 0.500 | 0.549 | 0.451 | 1.216 | -0.064 | 0.069 | -0.179 | 0.008 |
| Leg Room Service | 0.500 | 0.500 | 0.097 | 0.903 | 0.107 | -0.001 | 0.011 | -0.023 | 0.016 |
| Cleanliness | 0.500 | 0.500 | 0.300 | 0.700 | 0.428 | 0.029 | 0.054 | 0.000 | 0.162 |
| Food and Drink | 0.500 | 0.500 | 0.100 | 0.900 | 0.111 | 9.788e-4 | 0.016 | -0.004 | 0.046 |
| In-flight Service | 0.500 | 0.500 | 0.216 | 0.784 | 0.276 | -0.014 | 0.033 | -0.093 | 0.000 |
| In-flight Entertainment | 0.500 | 0.500 | 0.872 | 0.128 | 6.840 | 0.123 | 0.067 | 0.000 | 0.226 |
| Baggage Handling | 0.500 | 0.500 | 0.121 | 0.879 | 0.137 | 0.004 | 0.019 | -9.405e-4 | 0.060 |

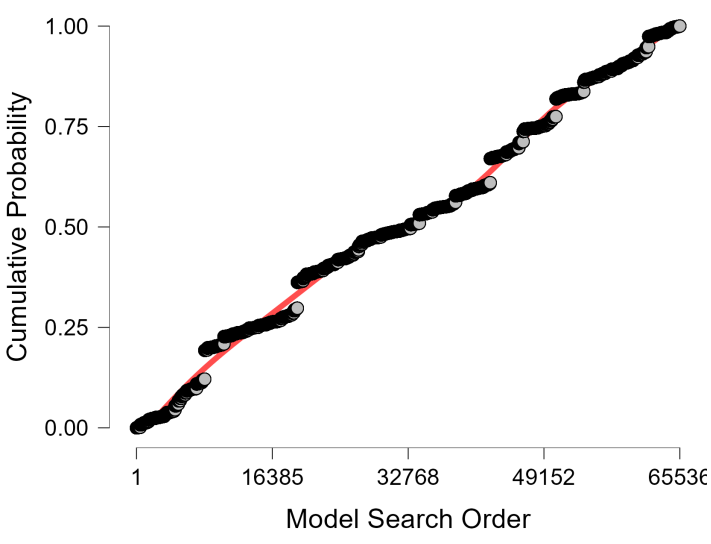
Posterior Coefficients with 95% Credible Interval



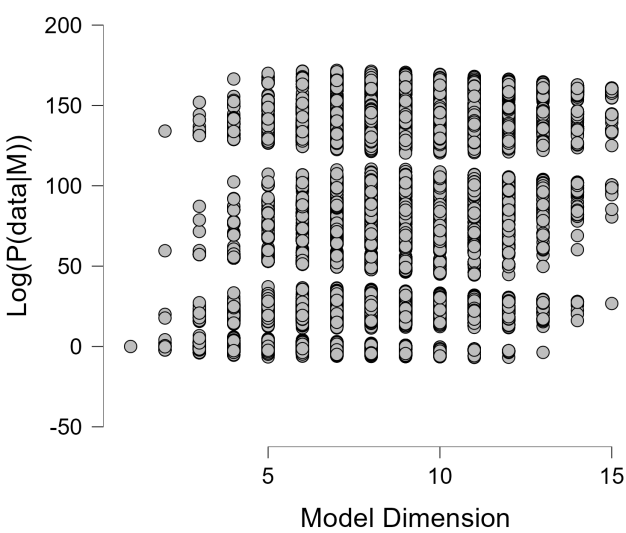
Posterior Log Odds



Model Probabilities



Log(P(data|M)) vs. Model Size



| | | | Pearson's r | BF ₁₀ | Lower 95% CI | Upper 95% CI |
|----------------------------------------|---|----------------------------------------|-------------|------------------|--------------|--------------|
| Flight Distance | - | Departure Delay | -0.051 | 0.105 | -0.142 | 0.042 |
| Flight Distance | - | Arrival Delay | -0.041 | 0.086 | -0.133 | 0.052 |
| Flight Distance | - | Departure and Arrival Time Convenience | 0.010 | 0.060 | -0.083 | 0.102 |
| Flight Distance | - | Ease of Online Booking | 0.026 | 0.069 | -0.066 | 0.118 |
| Flight Distance | - | Check-in Service | -0.015 | 0.062 | -0.107 | 0.077 |
| Flight Distance | - | Online Boarding | 0.157* | 15.901 | 0.066 | 0.245 |
| Flight Distance | - | Gate Location | 0.024 | 0.067 | -0.068 | 0.116 |
| Flight Distance | - | On-board Service | 0.045 | 0.092 | -0.048 | 0.136 |
| Flight Distance | - | Seat Comfort | 0.131 | 2.834 | 0.039 | 0.220 |
| Flight Distance | - | Leg Room Service | 0.068 | 0.165 | -0.025 | 0.159 |
| Flight Distance | - | Cleanliness | 0.050 | 0.104 | -0.042 | 0.142 |
| Flight Distance | - | Food and Drink | 0.020 | 0.065 | -0.072 | 0.112 |
| Flight Distance | - | In-flight Service | 0.009 | 0.060 | -0.084 | 0.101 |
| Flight Distance | - | In-flight Wifi Service | -0.137 | 3.971 | -0.226 | -0.045 |
| Flight Distance | - | In-flight Entertainment | 0.012 | 0.061 | -0.080 | 0.104 |
| Flight Distance | - | Baggage Handling | -0.029 | 0.072 | -0.121 | 0.063 |
| Departure Delay | - | Arrival Delay | 0.935*** | 9.267e+197 | 0.922 | 0.946 |
| Departure Delay | - | Departure and Arrival Time Convenience | -0.033 | 0.075 | -0.124 | 0.060 |
| Departure Delay | - | Ease of Online Booking | 0.008 | 0.060 | -0.084 | 0.100 |
| Departure Delay | - | Check-in Service | 0.025 | 0.068 | -0.067 | 0.117 |
| Departure Delay | - | Online Boarding | 0.052 | 0.108 | -0.041 | 0.143 |
| Departure Delay | - | Gate Location | 0.020 | 0.065 | -0.072 | 0.112 |
| Departure Delay | - | On-board Service | -0.030 | 0.073 | -0.122 | 0.062 |
| Departure Delay | - | Seat Comfort | -2.439e-4 | 0.059 | -0.092 | 0.092 |
| Departure Delay | - | Leg Room Service | 0.065 | 0.153 | -0.027 | 0.156 |
| Departure Delay | - | Cleanliness | 0.019 | 0.064 | -0.073 | 0.111 |
| Departure Delay | - | Food and Drink | -0.031 | 0.073 | -0.122 | 0.062 |
| Departure Delay | - | In-flight Service | -0.019 | 0.064 | -0.110 | 0.074 |
| Departure Delay | - | In-flight Wifi Service | 0.024 | 0.067 | -0.069 | 0.115 |
| Departure Delay | - | In-flight Entertainment | -0.017 | 0.063 | -0.109 | 0.075 |
| Departure Delay | - | Baggage Handling | 0.026 | 0.069 | -0.066 | 0.118 |
| Arrival Delay | - | Departure and Arrival Time Convenience | -0.032 | 0.074 | -0.124 | 0.061 |
| Arrival Delay | - | Ease of Online Booking | 0.009 | 0.060 | -0.084 | 0.101 |
| Arrival Delay | - | Check-in Service | 0.036 | 0.078 | -0.057 | 0.128 |
| Arrival Delay | - | Online Boarding | 0.041 | 0.086 | -0.052 | 0.133 |
| Arrival Delay | - | Gate Location | 0.019 | 0.064 | -0.073 | 0.112 |
| Arrival Delay | - | On-board Service | -0.033 | 0.076 | -0.125 | 0.059 |
| Arrival Delay | - | Seat Comfort | -0.008 | 0.060 | -0.100 | 0.085 |
| Arrival Delay | - | Leg Room Service | 0.070 | 0.178 | -0.023 | 0.162 |
| Arrival Delay | - | Cleanliness | 0.032 | 0.074 | -0.061 | 0.124 |
| Arrival Delay | - | Food and Drink | -0.028 | 0.071 | -0.120 | 0.065 |
| Arrival Delay | - | In-flight Service | -0.050 | 0.102 | -0.141 | 0.043 |
| Arrival Delay | - | In-flight Wifi Service | 0.015 | 0.062 | -0.078 | 0.107 |
| Arrival Delay | - | In-flight Entertainment | -0.038 | 0.081 | -0.130 | 0.055 |
| Arrival Delay | - | Baggage Handling | 0.021 | 0.065 | -0.072 | 0.113 |
| Departure and Arrival Time Convenience | - | Ease of Online Booking | 0.362*** | 2.223e+12 | 0.278 | 0.438 |
| Departure and Arrival Time Convenience | - | Check-in Service | -0.013 | 0.061 | -0.105 | 0.080 |
| Departure and Arrival Time Convenience | - | Online Boarding | 0.066 | 0.157 | -0.026 | 0.157 |
| Departure and Arrival Time Convenience | - | Gate Location | 0.445*** | 1.473e+20 | 0.367 | 0.515 |
| Departure and Arrival Time Convenience | - | On-board Service | 0.058 | 0.126 | -0.034 | 0.149 |
| Departure and Arrival Time Convenience | - | Seat Comfort | -0.060 | 0.131 | -0.151 | 0.033 |
| Departure and Arrival Time Convenience | - | Leg Room Service | -0.013 | 0.061 | -0.105 | 0.079 |
| Departure and Arrival Time Convenience | - | Cleanliness | -0.036 | 0.079 | -0.128 | 0.056 |
| Departure and Arrival Time Convenience | - | Food and Drink | -0.057 | 0.123 | -0.148 | 0.035 |
| Departure and Arrival Time Convenience | - | In-flight Service | 0.077 | 0.226 | -0.015 | 0.168 |
| Departure and Arrival Time Convenience | - | In-flight Wifi Service | 0.295*** | 4.132e+7 | 0.208 | 0.376 |
| Departure and Arrival Time Convenience | - | In-flight Entertainment | -0.042 | 0.088 | -0.134 | 0.050 |
| Departure and Arrival Time Convenience | - | Baggage Handling | 0.042 | 0.088 | -0.050 | 0.134 |
| Ease of Online Booking | - | Check-in Service | 0.068 | 0.164 | -0.025 | 0.159 |
| Ease of Online Booking | - | Online Boarding | 0.441*** | 5.318e+19 | 0.362 | 0.511 |
| Ease of Online Booking | - | Gate Location | 0.433*** | 7.817e+18 | 0.354 | 0.504 |
| Ease of Online Booking | - | On-board Service | 0.003 | 0.059 | -0.090 | 0.095 |
| Ease of Online Booking | - | Seat Comfort | 0.034 | 0.077 | -0.058 | 0.126 |
| Ease of Online Booking | - | Leg Room Service | 0.056 | 0.118 | -0.037 | 0.147 |
| Ease of Online Booking | - | Cleanliness | -0.020 | 0.065 | -0.112 | 0.072 |
| Ease of Online Booking | - | Food and Drink | -0.017 | 0.063 | -0.109 | 0.075 |
| Ease of Online Booking | - | In-flight Service | -0.012 | 0.061 | -0.104 | 0.081 |
| Ease of Online Booking | - | In-flight Wifi Service | 0.680*** | 6.029e+58 | 0.625 | 0.725 |
| Ease of Online Booking | - | In-flight Entertainment | -0.011 | 0.061 | -0.103 | 0.081 |
| Ease of Online Booking | - | Baggage Handling | 0.037 | 0.080 | -0.055 | 0.129 |
| Check-in Service | - | Online Boarding | 0.226*** | 7241.515 | 0.136 | 0.311 |
| Check-in Service | - | Gate Location | -0.014 | 0.062 | -0.106 | 0.078 |
| Check-in Service | - | On-board Service | 0.218*** | 3161.425 | 0.128 | 0.304 |
| Check-in Service | - | Seat Comfort | 0.220*** | 3954.821 | 0.130 | 0.306 |
| Check-in Service | - | Leg Room Service | 0.078 | 0.231 | -0.014 | 0.169 |
| Check-in Service | - | Cleanliness | 0.188*** | 184.546 | 0.097 | 0.275 |
| Check-in Service | - | Food and Drink | 0.138 | 4.311 | 0.046 | 0.227 |
| Check-in Service | - | In-flight Service | 0.133 | 3.231 | 0.041 | 0.222 |
| Check-in Service | - | In-flight Wifi Service | 0.094 | 0.436 | 0.002 | 0.185 |
| Check-in Service | - | In-flight Entertainment | 0.187*** | 164.215 | 0.096 | 0.274 |
| Check-in Service | - | Baggage Handling | 0.271*** | 1.534e+6 | 0.183 | 0.354 |
| Online Boarding | - | Gate Location | 0.007 | 0.060 | -0.085 | 0.100 |
| Online Boarding | - | On-board Service | 0.153* | 11.619 | 0.061 | 0.241 |
| Online Boarding | - | Seat Comfort | 0.395*** | 1.727e+15 | 0.313 | 0.469 |
| Online Boarding | - | Leg Room Service | 0.071 | 0.180 | -0.022 | 0.161 |
| Online Boarding | - | Cleanliness | 0.243*** | 48882.442 | 0.154 | 0.328 |
| Online Boarding | - | Food and Drink | 0.202*** | 611.522 | 0.111 | 0.288 |
| Online Boarding | - | In-flight Service | 0.066 | 0.155 | -0.027 | 0.157 |
| Online Boarding | - | In-flight Wifi Service | 0.497*** | 1.947e+26 | 0.423 | 0.563 |
| Online Boarding | - | In-flight Entertainment | 0.246*** | 63311.618 | 0.156 | 0.330 |
| Online Boarding | - | Baggage Handling | 0.078 | 0.230 | -0.015 | 0.169 |
| Gate Location | - | On-board Service | -0.055 | 0.115 | -0.146 | 0.038 |

* BF₁₀ > 10, ** BF₁₀ > 30, *** BF₁₀ > 100

| | | | Pearson's r | BF ₁₀ | Lower 95% CI | Upper 95% CI |
|-------------------------|---|-------------------------|-------------|------------------|--------------|--------------|
| Gate Location | - | Seat Comfort | -0.025 | 0.068 | -0.116 | 0.068 |
| Gate Location | - | Leg Room Service | -0.066 | 0.157 | -0.157 | 0.026 |
| Gate Location | - | Cleanliness | -0.043 | 0.089 | -0.134 | 0.050 |
| Gate Location | - | Food and Drink | -0.073 | 0.192 | -0.163 | 0.020 |
| Gate Location | - | In-flight Service | -0.008 | 0.060 | -0.100 | 0.085 |
| Gate Location | - | In-flight Wifi Service | 0.313*** | 5.653e+8 | 0.226 | 0.393 |
| Gate Location | - | In-flight Entertainment | -0.079 | 0.240 | -0.170 | 0.013 |
| Gate Location | - | Baggage Handling | -0.072 | 0.189 | -0.163 | 0.020 |
| On-board Service | - | Seat Comfort | 0.139 | 4.639 | 0.047 | 0.228 |
| On-board Service | - | Leg Room Service | 0.385*** | 2.134e+14 | 0.303 | 0.460 |
| On-board Service | - | Cleanliness | 0.079 | 0.235 | -0.014 | 0.169 |
| On-board Service | - | Food and Drink | 0.030 | 0.072 | -0.062 | 0.122 |
| On-board Service | - | In-flight Service | 0.594*** | 8.609e+40 | 0.529 | 0.650 |
| On-board Service | - | In-flight Wifi Service | 0.092 | 0.389 | -7.518e-4 | 0.182 |
| On-board Service | - | In-flight Entertainment | 0.399*** | 3.367e+15 | 0.317 | 0.472 |
| On-board Service | - | Baggage Handling | 0.573*** | 1.933e+37 | 0.506 | 0.631 |
| Seat Comfort | - | Leg Room Service | 0.052 | 0.108 | -0.040 | 0.143 |
| Seat Comfort | - | Cleanliness | 0.673*** | 2.027e+57 | 0.618 | 0.720 |
| Seat Comfort | - | Food and Drink | 0.596*** | 2.288e+41 | 0.532 | 0.652 |
| Seat Comfort | - | In-flight Service | 0.020 | 0.065 | -0.072 | 0.112 |
| Seat Comfort | - | In-flight Wifi Service | 0.113 | 1.020 | 0.020 | 0.202 |
| Seat Comfort | - | In-flight Entertainment | 0.625*** | 6.006e+46 | 0.564 | 0.677 |
| Seat Comfort | - | Baggage Handling | 0.093 | 0.401 | 3.396e-5 | 0.183 |
| Leg Room Service | - | Cleanliness | 0.030 | 0.072 | -0.062 | 0.122 |
| Leg Room Service | - | Food and Drink | -0.004 | 0.059 | -0.096 | 0.088 |
| Leg Room Service | - | In-flight Service | 0.311*** | 4.310e+8 | 0.224 | 0.391 |
| Leg Room Service | - | In-flight Wifi Service | 0.047 | 0.097 | -0.046 | 0.138 |
| Leg Room Service | - | In-flight Entertainment | 0.248*** | 84998.392 | 0.159 | 0.332 |
| Leg Room Service | - | Baggage Handling | 0.294*** | 3.435e+7 | 0.207 | 0.375 |
| Cleanliness | - | Food and Drink | 0.682*** | 2.838e+59 | 0.628 | 0.728 |
| Cleanliness | - | In-flight Service | -3.147e-4 | 0.059 | -0.092 | 0.092 |
| Cleanliness | - | In-flight Wifi Service | 0.140 | 4.827 | 0.048 | 0.229 |
| Cleanliness | - | In-flight Entertainment | 0.699*** | 4.929e+63 | 0.647 | 0.742 |
| Cleanliness | - | Baggage Handling | 0.122 | 1.696 | 0.030 | 0.212 |
| Food and Drink | - | In-flight Service | -0.051 | 0.105 | -0.142 | 0.042 |
| Food and Drink | - | In-flight Wifi Service | 0.105 | 0.711 | 0.013 | 0.195 |
| Food and Drink | - | In-flight Entertainment | 0.645*** | 7.727e+50 | 0.586 | 0.695 |
| Food and Drink | - | Baggage Handling | 0.038 | 0.082 | -0.054 | 0.130 |
| In-flight Service | - | In-flight Wifi Service | 0.017 | 0.063 | -0.076 | 0.109 |
| In-flight Service | - | In-flight Entertainment | 0.315*** | 7.965e+8 | 0.229 | 0.395 |
| In-flight Service | - | Baggage Handling | 0.567*** | 2.155e+36 | 0.499 | 0.625 |
| In-flight Wifi Service | - | In-flight Entertainment | 0.168** | 35.412 | 0.077 | 0.256 |
| In-flight Wifi Service | - | Baggage Handling | 0.105 | 0.702 | 0.013 | 0.195 |
| In-flight Entertainment | - | Baggage Handling | 0.390*** | 5.500e+14 | 0.308 | 0.464 |

* BF₁₀ > 10, ** BF₁₀ > 30, *** BF₁₀ > 100

Bayesian Unidimensional Reliability

Bayesian Scale Reliability Statistics

| Estimate | Cronbach's α |
|--------------------|---------------------|
| Posterior mean | -0.003 |
| 95% CI lower bound | -0.017 |
| 95% CI upper bound | 0.011 |
| R-hat | 1.000 |

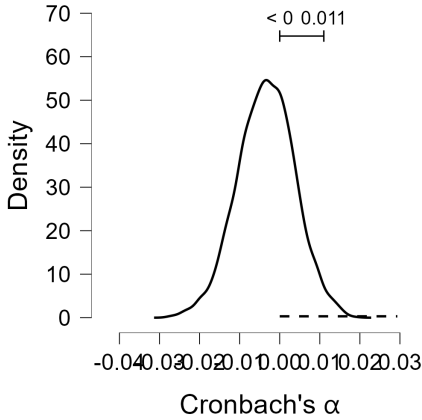
Note. Of the observations, pairwise complete cases were used. The following item correlated negatively with the scale: Gate Location.

Probability that Reliability Statistic is Larger than 0.70 and Smaller than 0.90

| Statistic | Probability | |
|---------------------|-------------|-----------|
| | Prior | Posterior |
| Cronbach's α | 0.157 | 0.000 |

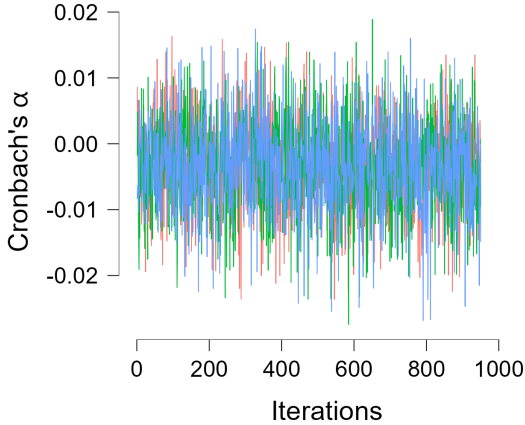
Posterior Plots

Cronbach's α



Convergence Traceplot

Cronbach's α



Bayesian Contingency Tables

Contingency Tables

| Gender | Type of Travel | | Total |
|--------|----------------|----------|-------|
| | Business | Personal | |
| Female | 583 | 203 | 786 |
| Male | 540 | 284 | 824 |
| Total | 1123 | 487 | 1610 |

Bayesian Contingency Tables Tests

| Value | |
|------------------------------------------|--------|
| BF ₁₀ Independent multinomial | 71.481 |
| N | 1610 |

Note. For all tests, the alternative hypothesis specifies that group *Female* is not equal to *Male*.

Log Odds Ratio

| Log Odds Ratio | 95% Credible Interval | |
|----------------|-----------------------|-------|
| | Lower | Upper |
| 0.412 | 0.198 | 0.627 |

Log Odds Ratio Plots

Gender - Type of Travel

