| **Model Comparison** | | | | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Models** | | **P(M)** | | **P(M|data)** | | **BF M** | | **BF 10** | | **R²** | |
| Openness + IQ\_from\_Raven + leisq1\_sumfreq |  | 0.125 |  | 0.337 |  | 3.555 |  | 1.000 |  | 0.110 |  |
| Openness + leisq1\_sumfreq |  | 0.125 |  | 0.247 |  | 2.293 |  | 0.733 |  | 0.096 |  |
| Openness |  | 0.125 |  | 0.210 |  | 1.855 |  | 0.622 |  | 0.082 |  |
| Openness + IQ\_from\_Raven |  | 0.125 |  | 0.199 |  | 1.738 |  | 0.591 |  | 0.095 |  |
| IQ\_from\_Raven + leisq1\_sumfreq |  | 0.125 |  | 0.006 |  | 0.041 |  | 0.017 |  | 0.069 |  |
| leisq1\_sumfreq |  | 0.125 |  | 0.002 |  | 0.015 |  | 0.006 |  | 0.049 |  |
| IQ\_from\_Raven |  | 0.125 |  | 5.024e -5 |  | 3.517e -4 |  | 1.492e -4 |  | 0.021 |  |
| Null model |  | 0.125 |  | 2.492e -5 |  | 1.745e -4 |  | 7.400e -5 |  | 0.000 |  |
|  | | | | | | | | | | | |

| **Posterior Summaries of Coefficients** | | | | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | | | | | | | | **95% Credible Interval** | | | |
| **Coefficient** | | **Mean** | | **SD** | | **P(incl|data)** | | **Lower** | | **Upper** | |
| Intercept |  | 6.033 |  | 0.213 |  | 1.000 |  | 5.614 |  | 6.452 |  |
| Openness |  | 0.367 |  | 0.108 |  | 0.992 |  | 0.154 |  | 0.581 |  |
| IQ\_from\_Raven |  | 0.053 |  | 0.027 |  | 0.542 |  | -1.701e -5 |  | 0.106 |  |
| leisq1\_sumfreq |  | 0.071 |  | 0.034 |  | 0.591 |  | 0.004 |  | 0.138 |  |
|  | | | | | | | | | | | |

Testing the covariates below:

| **Model Comparison** | | | | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Models** | | **P(M)** | | **P(M|data)** | | **BF M** | | **BF 10** | | **R²** | |
| Null model (incl. IQ\_from\_Raven, leisq1\_sumfreq) |  | 0.500 |  | 0.017 |  | 0.017 |  | 1.000 |  | 0.069 |  |
| Openness |  | 0.500 |  | 0.983 |  | 57.869 |  | 57.869 |  | 0.110 |  |
|  | | | | | | | | | | | |
| *Note.*  All models include IQ\_from\_Raven, leisq1\_sumfreq. | | | | | | | | | | | |

| **Model Comparison** | | | | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Models** | | **P(M)** | | **P(M|data)** | | **BF M** | | **BF 10** | | **R²** | |
| Null model (incl. Openness, leisq1\_sumfreq) |  | 0.500 |  | 0.423 |  | 0.733 |  | 1.000 |  | 0.096 |  |
| IQ\_from\_Raven |  | 0.500 |  | 0.577 |  | 1.365 |  | 1.365 |  | 0.110 |  |
|  | | | | | | | | | | | |
| *Note.*  All models include Openness, leisq1\_sumfreq. | | | | | | | | | | | |

| **Model Comparison** | | | | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Models** | | **P(M)** | | **P(M|data)** | | **BF M** | | **BF 10** | | **R²** | |
| Null model (incl. Openness, IQ\_from\_Raven) |  | 0.500 |  | 0.371 |  | 0.591 |  | 1.000 |  | 0.095 |  |
| leisq1\_sumfreq |  | 0.500 |  | 0.629 |  | 1.693 |  | 1.693 |  | 0.110 |  |
|  | | | | | | | | | | | |
| *Note.*  All models include Openness, IQ\_from\_Raven. | | | | | | | | | | | |