Appendix A

# **Mean RTs for each Condition Type**

|  |  |
| --- | --- |
| **Condition Type** | **Mean RT** |
| Min20db | 0.9375143000215758 |
| Min30db | 0.9995341249741614 |
| Min40db | 1.1514824000187218 |
| Min50db | 1.1494288333536435 |
| Block 1 | 1.0410035332509626 |
| Block 2 | 1.0067470667418092 |
| Block 3 | 1.0917904666469744 |
| Block 4 | 0.9908752999035642 |
| Block 5 | 1.045428300043568 |
| Block 6 | 1.0489672251278535 |
| Block 7 | 1.1196573333193858 |
| Block 8 | 0.9752132666762918 |

Appendix B

# **Hit Rate False Alarm Matrices for Go/No-Go Trial**

**P-1**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Condition** | **Hits** | **Misses** | **CRs** | **FAs** |
| **sound** | 1 | 31 | 32 | 0 |

|  |  |  |  |
| --- | --- | --- | --- |
| **Hit Rate** | **FA Rate** | **D prime** | **criterion** |
| 0.03125 | 0.3125 | 0.0 | 1.8627318674216515 |

**P-2**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Condition** | **Hits** | **Misses** | **CRs** | **FAs** |
| **sound** | 26 | 6 | 32 | 0 |

|  |  |  |  |
| --- | --- | --- | --- |
| **Hit Rate** | **FA Rate** | **D prime** | **criterion** |
| 0.8125 | 0.03125 | 2.7498784264405276 | 0.4877926542013878 |

**P-3**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Condition** | **Hits** | **Misses** | **CRs** | **FAs** |
| **sound** | 27 | 5 | 32 | 0 |

|  |  |  |  |
| --- | --- | --- | --- |
| **Hit Rate** | **FA Rate** | **D prime** | **criterion** |
| 0.84375 | 0.03125 | 2.8727220366712336 | 0.42637084908603473 |

**P-4**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Condition** | **Hits** | **Misses** | **CRs** | **FAs** |
| **sound** | 23 | 9 | 31 | 1 |

|  |  |  |  |
| --- | --- | --- | --- |
| **Hit Rate** | **FA Rate** | **D prime** | **criterion** |
| 0.71875 | 0.03125 | 2.4418640296772076 | 0.6417998525830477 |

**P-5**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Condition** | **Hits** | **Misses** | **CRs** | **FAs** |
| **sound** | 28 | 4 | 32 | 0 |

|  |  |  |  |
| --- | --- | --- | --- |
| **Hit Rate** | **FA Rate** | **D prime** | **criterion** |
| 0.875 | 0.03125 | 3.0130812477976594 | 0.35619124352282183 |

**P-6**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Condition** | **Hits** | **Misses** | **CRs** | **FAs** |
| **sound** | 25 | 7 | 32 | 0 |

|  |  |  |  |
| --- | --- | --- | --- |
| **Hit Rate** | **FA Rate** | **D prime** | **criterion** |
| 0.78125 | 0.03125 | 2.6391536285695794 | 0.5431550531368619 |

**P-7**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | **Condition** | **Hits** | **Misses** | **CRs** | **FAs** |
| **0** | **sound** | 15 | 17 | 30 | 2 |

|  |  |  |  |
| --- | --- | --- | --- |
| **Hit Rate** | **FA Rate** | **D prime** | **criterion** |
| 0.46875 | 0.0625 | 1.455708131619434 | 0.8062664785428293 |

**P-8**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | **Condition** | **Hits** | **Misses** | **CRs** | **FAs** |
| **0** | **sound** | 19 | 13 | 31 | 1 |

|  |  |  |  |
| --- | --- | --- | --- |
| **Hit Rate** | **FA Rate** | **D prime** | **criterion** |
| 0.59375 | 0.03125 | 2.0999339767504392 | 0.8127648790464319 |

**P-9**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | **Condition** | **Hits** | **Misses** | **CRs** | **FAs** |
| **0** | **sound** | 32 | 0 | 31 | 1 |

|  |  |  |  |
| --- | --- | --- | --- |
| **Hit Rate** | **FA Rate** | **D prime** | **criterion** |
| 1.0 | 0.03125 | inf | -inf |

**P-10**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | **Condition** | **Hits** | **Misses** | **CRs** | **FAs** |
| **0** | **sound** | 27 | 5 | 32 | 0 |

|  |  |  |  |
| --- | --- | --- | --- |
| **Hit Rate** | **FA Rate** | **D prime** | **criterion** |
| 0.84375 | 0.03125 | 2.8727220366712336 | 0.42637084908603473 |

Appendix C

# **Hit Rate False Alarm Matrices for Rating Task**

**P-1**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Condition** | **Hits** | **Misses** | **CR** | **FAs** |
| **noSound** | 31 | 1 | 27 | 5 |
| **Min20db** | 0 | 8 | 31 | 0 |
| **Min30db** | 8 | 0 | 31 | 0 |
| **Min40db** | 0 | 8 | 31 | 0 |
| **Min50db** | 3 | 5 | 31 | 0 |

**P-2**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Condition** | **Hits** | **Misses** | **CR** | **FAs** |
| **noSound** | 32 | 0 | 27 | 5 |
| **Min20db** | 0 | 8 | 32 | 0 |
| **Min30db** | 7 | 1 | 32 | 0 |
| **Min40db** | 0 | 8 | 32 | 0 |
| **Min50db** | 3 | 5 | 32 | 0 |

**P-3**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Condition** | **Hits** | **Misses** | **CR** | **FAs** |
| **noSound** | 32 | 0 | 29 | 3 |
| **Min20db** | 0 | 8 | 32 | 0 |
| **Min30db** | 6 | 2 | 32 | 0 |
| **Min40db** | 0 | 8 | 32 | 0 |
| **Min50db** | 5 | 3 | 32 | 0 |

**P-4**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Condition** | **Hits** | **Misses** | **CR** | **FAs** |
| **noSound** | 32 | 0 | 30 | 2 |
| **Min20db** | 0 | 8 | 32 | 0 |
| **Min30db** | 5 | 3 | 32 | 0 |
| **Min40db** | 0 | 8 | 32 | 0 |
| **Min50db** | 6 | 2 | 32 | 0 |

**P-5**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Condition** | **Hits** | **Misses** | **CR** | **FAs** |
| **noSound** | 31 | 1 | 28 | 4 |
| **Min20db** | 0 | 8 | 31 | 0 |
| **Min30db** | 4 | 4 | 31 | 0 |
| **Min40db** | 0 | 8 | 31 | 0 |
| **Min50db** | 4 | 4 | 31 | 0 |

**P-6**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Condition** | **Hits** | **Misses** | **CR** | **FAs** |
| **noSound** | 30 | 2 | 27 | 5 |
| **Min20db** | 0 | 8 | 30 | 2 |
| **Min30db** | 8 | 0 | 30 | 0 |
| **Min40db** | 0 | 8 | 30 | 0 |
| **Min50db** | 3 | 5 | 30 | 0 |

**P-7**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Condition** | **Hits** | **Misses** | **CR** | **FAs** |
| **noSound** | 32 | 0 | 28 | 4 |
| **Min20db** | 0 | 8 | 32 | 0 |
| **Min30db** | 7 | 1 | 32 | 0 |
| **Min40db** | 0 | 8 | 32 | 0 |
| **Min50db** | 4 | 4 | 32 | 0 |

**P-8**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Condition** | **Hits** | **Misses** | **CR** | **FAs** |
| **noSound** | 31 | 1 | 32 | 0 |
| **Min20db** | 0 | 8 | 31 | 1 |
| **Min30db** | 3 | 5 | 31 | 0 |
| **Min40db** | 2 | 6 | 31 | 0 |
| **Min50db** | 6 | 2 | 31 | 0 |

**P-9**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Condition** | **Hits** | **Misses** | **CR** | **FAs** |
| **noSound** | 31 | 1 | 30 | 2 |
| **Min20db** | 0 | 8 | 31 | 1 |
| **Min30db** | 2 | 6 | 31 | 0 |
| **Min40db** | 3 | 5 | 31 | 0 |
| **Min50db** | 6 | 2 | 31 | 0 |