**Appendix 1 Linguistic decision information of 20 DMs**

Linguistic decision information of DMs(e1-e5)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | c1 | c2 | c3 | c1 | c2 | c3 | c1 | c2 | c3 | c1 | c2 | c3 | c1 | c2 | c3 |
| e1-e5 | MH |  | ML | MH |  |  | MH |  | ML | ML |  | H | M | M | MH |
|  | M | MH |  | M | ML | M | MH |  | M |  | M |  | MH | M | MH |
|  | MH |  | M | MH | ML |  | M | H | MH | M | M | H | MH | H | M |
|  | H | M | MH | H | MH | M | H | ML | M | M | MH | M | MH | MH | ML |

Linguistic decision information of DMs(e6-e10)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | c1 | c2 | c3 | c1 | c2 | c3 | c1 | c2 | c3 | c1 | c2 | c3 | c1 | c2 | c3 |
| e6-e10 | M | MH | ML | MH | ML |  | MH | H | M | M | MH | MH | M | MH | M |
|  | M |  |  | M |  | M | MH | MH | M | M |  | MH | MH | L | M |
|  | MH | ML | M | MH | ML | MH | M | L | MH | M |  | H | H | M | M |
|  | H | M | MH | MH | M | M | H | MH | M | H | MH | M | MH | MH | ML |

Linguistic decision information of DMs(e11-e15)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | c1 | c2 | c3 | c1 | c2 | c3 | c1 | c2 | c3 | c1 | c2 | c3 | c1 | c2 | c3 |
| e11-e15 | M | MH | ML | MH | ML | M | MH | M | ML | ML | MH | M | MH | ML | M |
|  | MH | MH | H | M | H | M | MH |  |  | MH | MH | H | M | MH | M |
|  | MH | VH | M | MH | H | H | M |  | MH | ML | MH | H | MH | ML | H |
|  | M | MH | MH | H | MH | M | H | M | M | MH | M | M | H | M | M |

Linguistic decision information of DMs(e16-e20)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | c1 | c2 | c3 | c1 | c2 | c3 | c1 | c2 | c3 | c1 | c2 | c3 | c1 | c2 | c3 |
| e16-e20 | MH | MH | ML | ML | MH | H | M | M | MH | MH | ML | M | MH | MH | ML |
|  | MH | M | M | MH | M | MH | MH | L | M | M | MH | M | MH | M | M |
|  | M | H | MH | ML | M | H | H | MH | M | MH | ML | H | M | H | MH |
|  | H | ML | M | H | M | M | H | MH | ML | H | M | M | H | ML | M |