1. Missing Value

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | A1 | A2 | A3 | A4 | A5 | A6 |
| 001 | 0 | 0 | 0 | 0 | 0 | 0 |
| 002 | 0 | 0 | 0 | 0 | 0 | 0 |
| 003 | 0 | 0 | 0 | 0 | 0 | 0 |
| 004 | 0 | 0 | 0 | 0 | 0 | 0 |
| 005 | 0 | 0 | 0 | 0 | 0 | 0 |
| 006 | 0 | 0 | 0 | 0 | 0 | 0 |
| 007 | 0 | 0 | 0 | 0 | 0 | 0 |
| 008 | 0 | 0 | 0 | 0 | 0 | 0 |
| 009 | 0 | 0 | 0 | 0 | 0 | 0 |
| 010 | 0 | 0 | 0 | 0 | 0 | 0 |
| 011 | 0 | 0 | 0 | 0 | 0 | 0 |
| 012 | 0 | 0 | 0 | 0 | 0 | 0 |
| 013 | 0 | 0 | 0 | 0 | 0 | 0 |
| 014 | 0 | 0 | 0 | 0 | 0 | 0 |
| 015 | 2 | 2 | 2 | 2 | 2 | 2 |
| 016 | 2 | 2 | 2 | 2 | 2 | 2 |
| 017 | 2 | 2 | 2 | 2 | 2 | 2 |
| 018 | 2 | 2 | 2 | 2 | 2 | 2 |
| 019 | 2 | 2 | 2 | 2 | 2 | 2 |
| 020 | 2 | 2 | 2 | 2 | 2 | 2 |
| 021 | 2 | 2 | 2 | 2 | 2 | 2 |
| 022 | 0 | 0 | 0 | 0 | 0 | 0 |
| 023 | 0 | 0 | 0 | 0 | 0 | 0 |
| 024 | 0 | 0 | 0 | 0 | 0 | 0 |

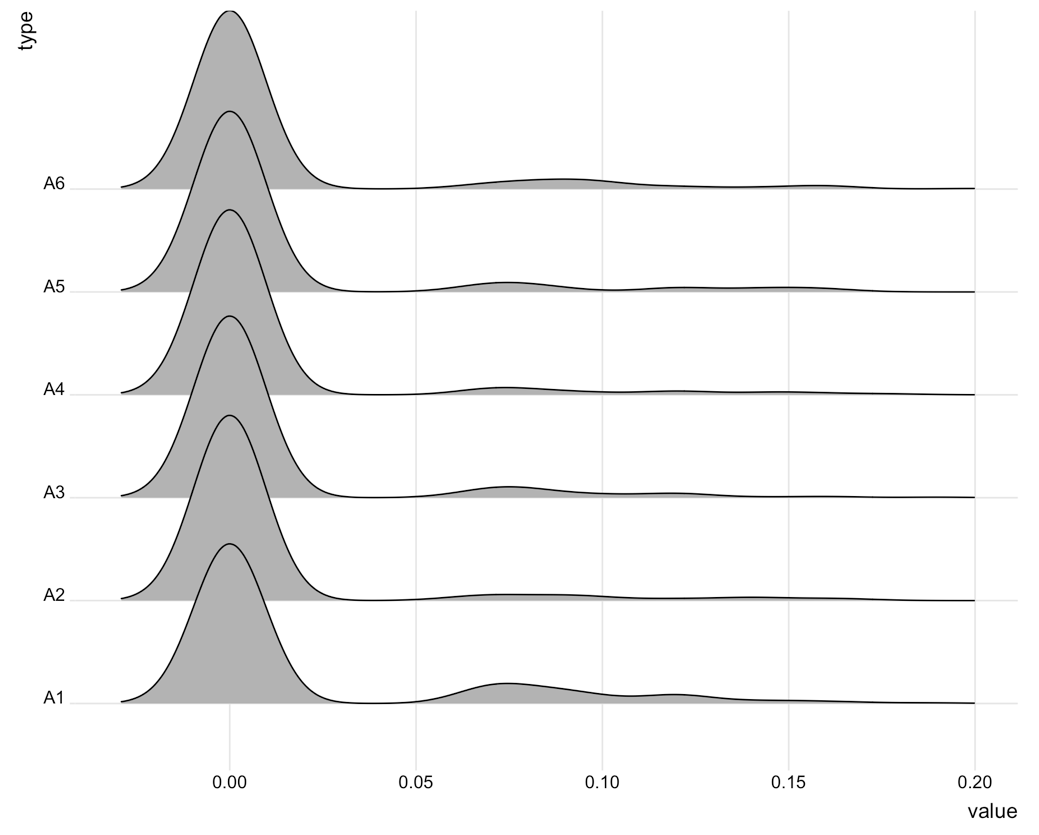
37, 134

|  |  |  |
| --- | --- | --- |
| Input\_C\_001-007,  Input\_C\_015-020 ,  Input\_C\_022,  Input\_C\_031-034,  Input\_C\_131-137 | 0 |  |
| Input\_C\_008-014  Input\_C\_013 | 3 | 197, 346, 347 |
| Input\_C\_021 | 1 | 172 |
| Input\_C\_023-026,  Input\_C\_028,  Input\_C\_030 | 1 | 165 |
| Input\_C\_027 | 2 | 107, 165 |
| Input\_C\_029 | 2 | 165, 206 |
| Input\_C\_035-038 | 1 | 173 |
| Input\_C\_039-062  Input\_C\_046  Input\_C\_049  Input\_C\_050  Input\_C\_057  Input\_C\_058 | 5 | 197, 249, 345, 346, 347 |
| Input\_C\_063-066,  Input\_C\_072 | 90 | 3, 4, 8, 9, 11, 13, 14, 16, 18, 20, 24, 28, 30, 31, 32, 34, 36, 40, 41, 44, 47, 48, 50, 52, 55, 58, 64, 69, 70, 73, 74, 77, 78, 85, 86, 87, 91, 94, 95, 96, 97, 102, 111, 117, 119, 124, 125, 126, 131, 132, 136, 137, 141, 142, 145, 153, 161, 162, 168, 172, 174, 177, 179, 181, 183, 187, 189, 191, 197, 199, 200, 204, 205, 207, 211, 212, 215, 216, 218, 219, 226, 236, 241, 242, 247, 250, 251, 252, 256, 263 |
| Input\_C\_067-071,  nput\_C\_077-081 | 91 | 3, 4, 8, 9, 11, 13, 14, 16, 18, 20, 24, 28, 30, 31, 32, 34, 36, 40, 41, 44, 47, 48, 50, 52, 55, 58, 64, 69, 70, 73, 74, 77, 78, 85, 86, 87, 91, 94, 95, 96, 97, 102, 111, 117, 119, 124, 125, 126, 131, 132, 136, 137, 141, 142, 145, 153, 161, 162, 168, 172, 174, 177, 179, 181, 182, 183, 187, 189, 191, 197, 199, 200, 204, 205, 207, 211, 212, 215, 216, 218, 219, 226, 236, 241, 242, 247, 250, 251, 252, 256, 263 |
| Input\_C\_073-076,  Input\_C\_082 | 92 | 3, 4, 8, 9, 11, 13, 14, 16, 18, 20, 24, 28, 30, 31, 32, 34, 36, 40, 41, 44, 47, 48, 50, 52, 55, 58, 64, 69, 70, 72, 73, 74, 77, 78, 85, 86, 87, 91, 94, 95, 96, 97, 102, 111, 117, 119, 124, 125, 126, 131, 132, 136, 137, 141, 142, 145, 153, 161, 162, 168, 172, 174, 177, 179, 181, 182, 183, 187, 189, 191, 197, 199, 200, 204, 205, 207, 211, 212, 215, 216, 218, 219, 226, 236, 241, 242, 247, 250, 251, 252, 256, 263 |
| Input\_C\_083-091 | 91 | 3, 4, 8, 9, 11, 13, 14, 16, 18, 20, 24, 28, 30, 31, 32, 34, 36, 40, 41, 44, 47, 48, 50, 52, 55, 58, 64, 69, 70, 73, 74, 77, 78, 85, 86, 87, 91, 94, 95, 96, 97, 102, 111, 117, 119, 124, 125, 126, 131, 132, 136, 137, 141, 142, 145, 146, 153, 161, 162, 168, 172, 174, 177, 179, 181, 183, 187, 189, 191, 197, 199, 200, 204, 205, 207, 211, 212, 215, 216, 218, 219, 226, 236, 241, 242, 247, 250, 251, 252, 256, 263 |
| Input\_C\_092-131  Input\_C\_096 | 3 | 70, 86, 197 |

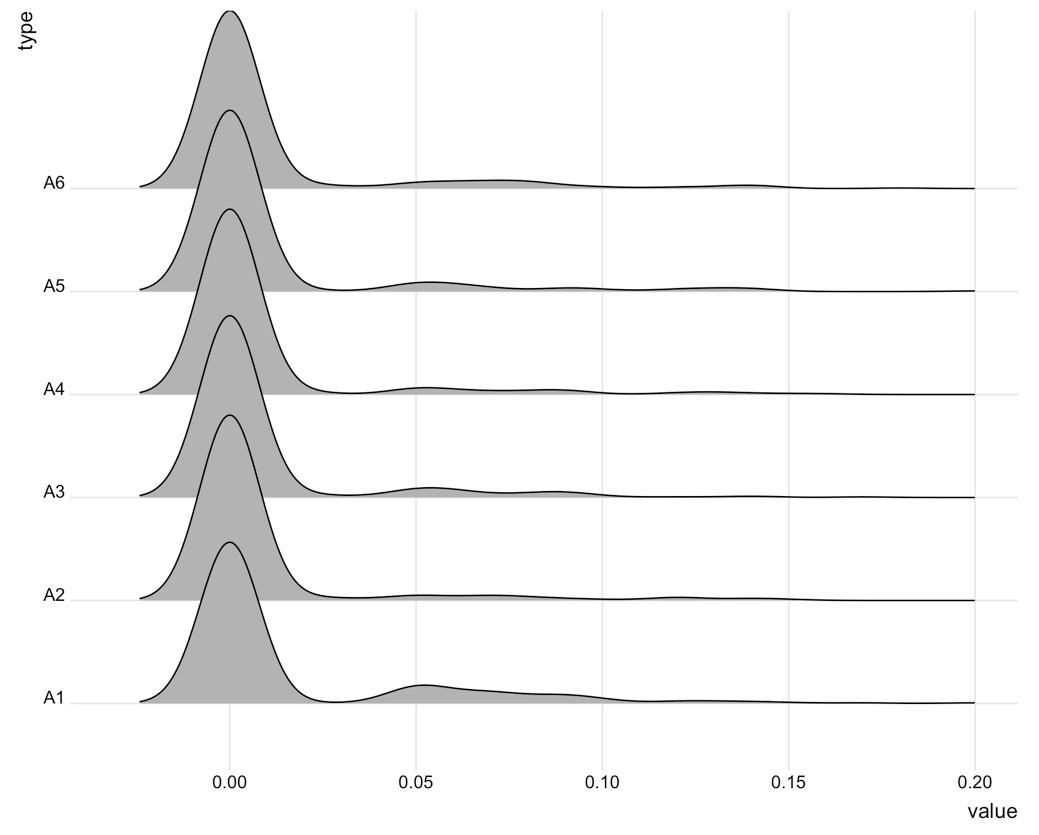
Impute：mean, median, 0

1. Similarity of A

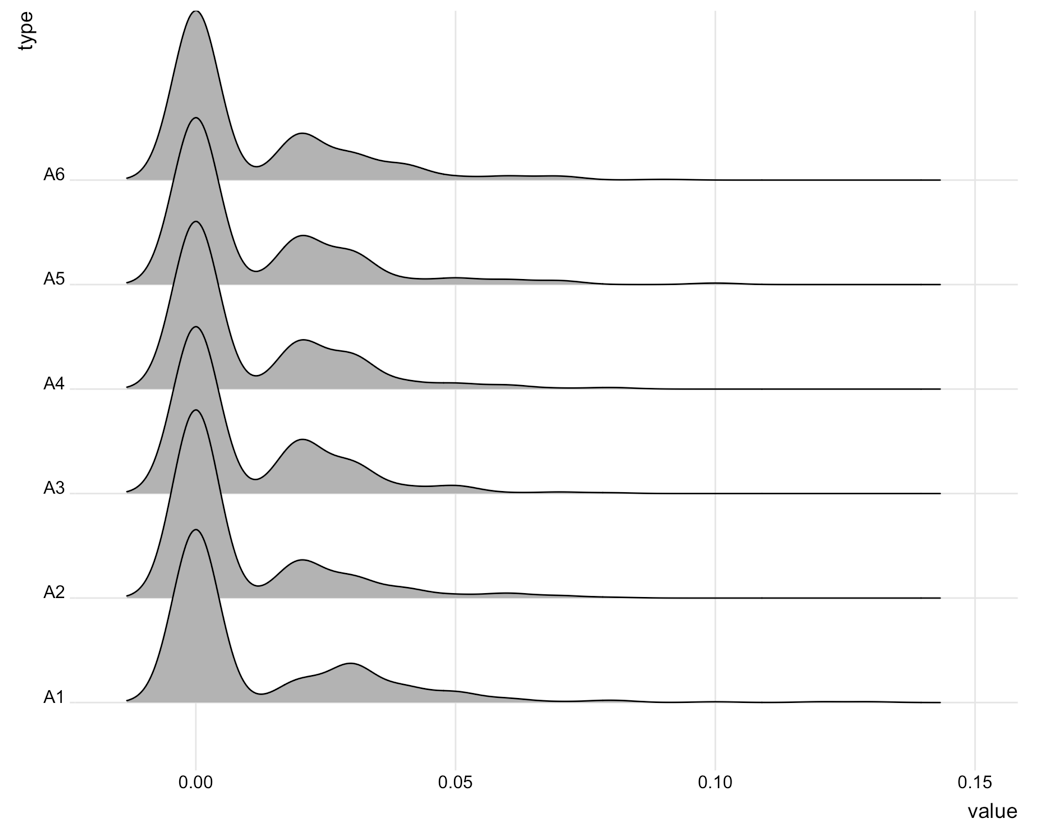
001



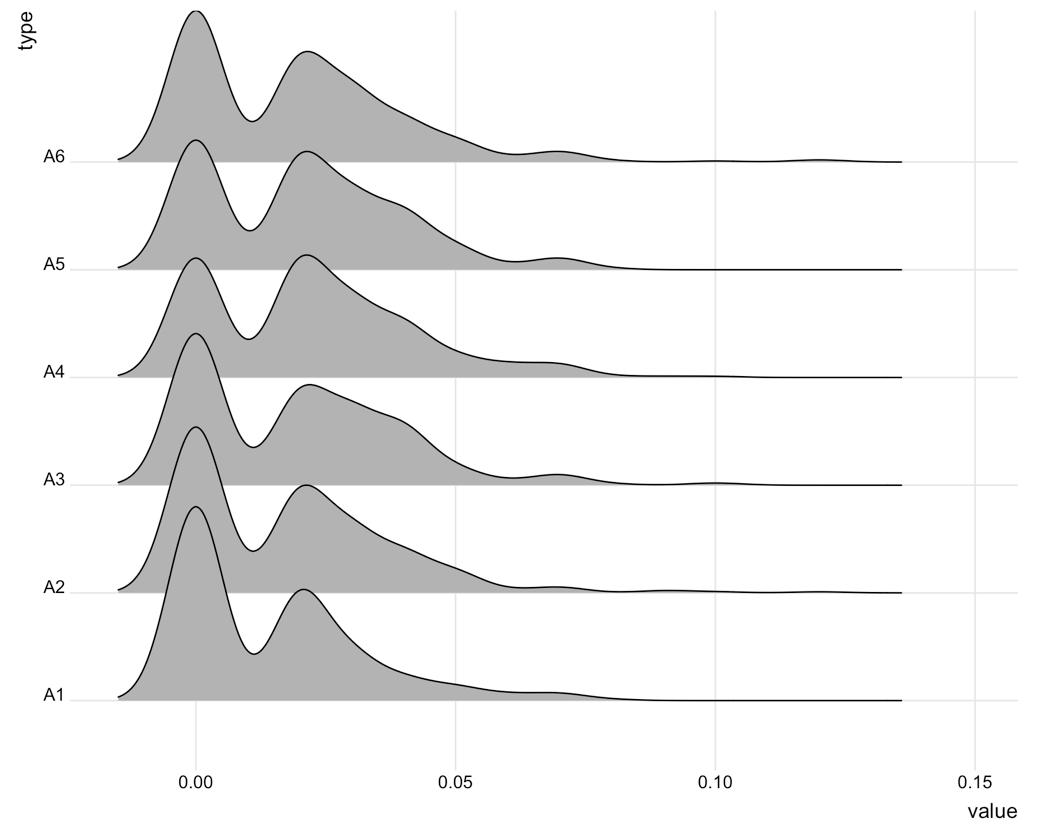
002



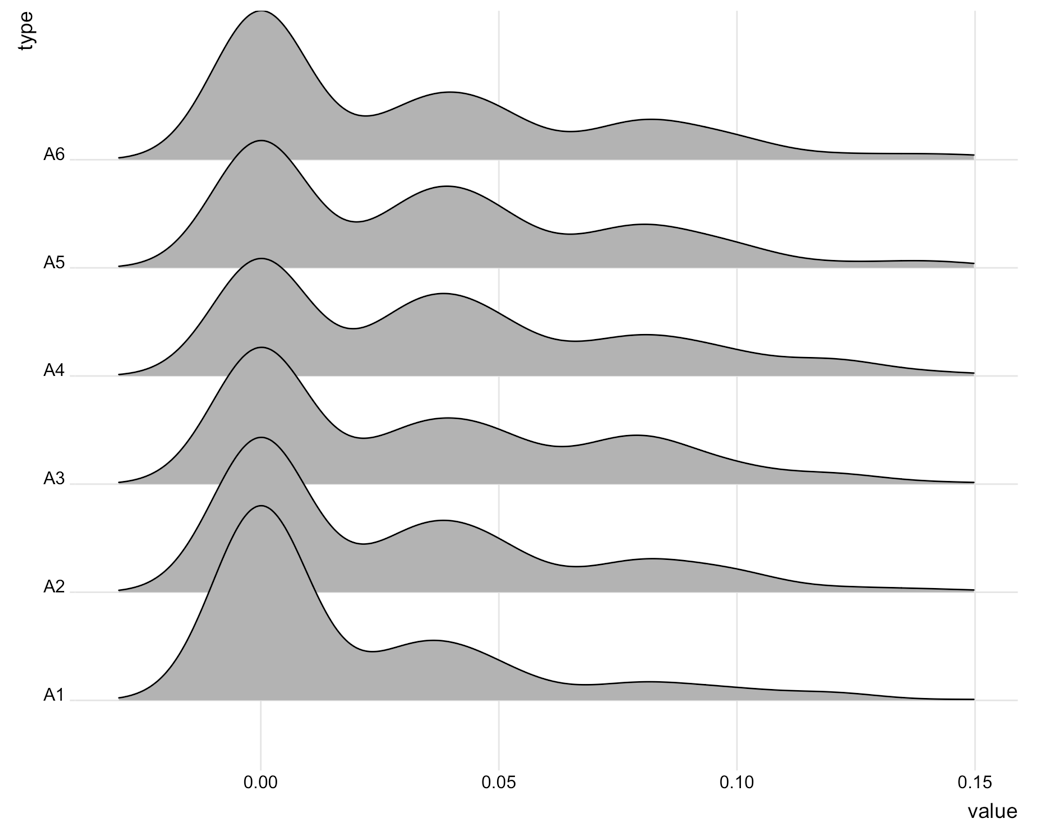
003



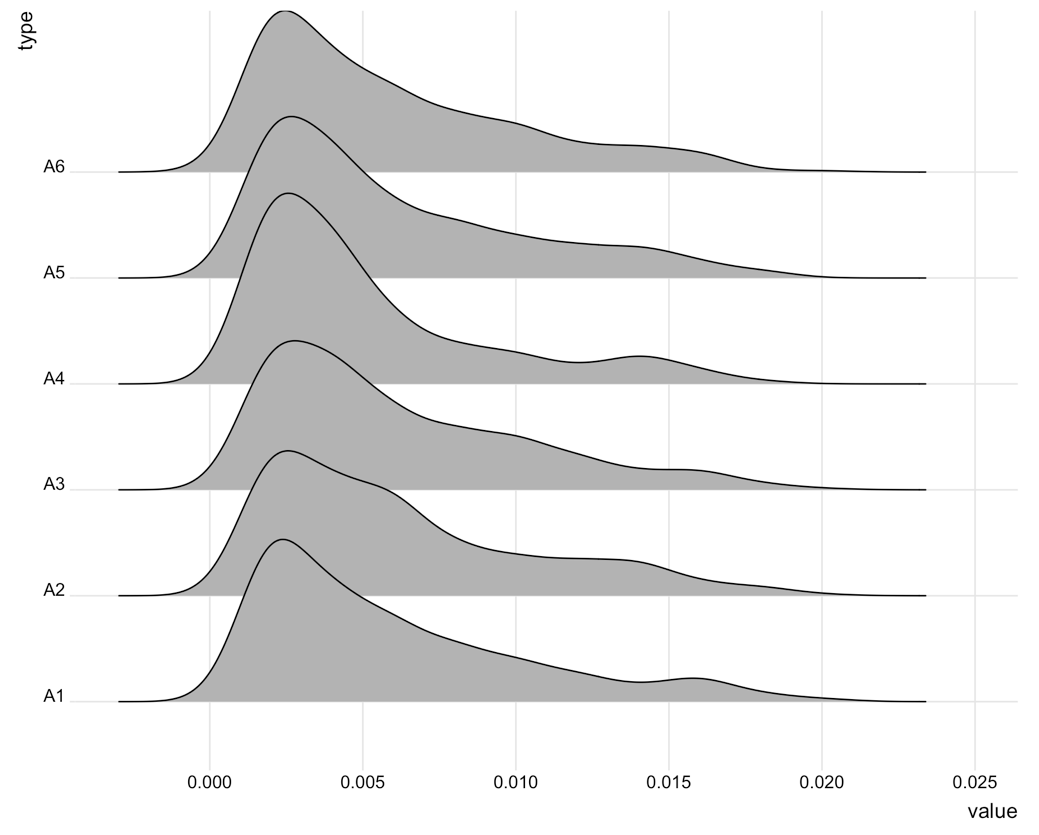
004



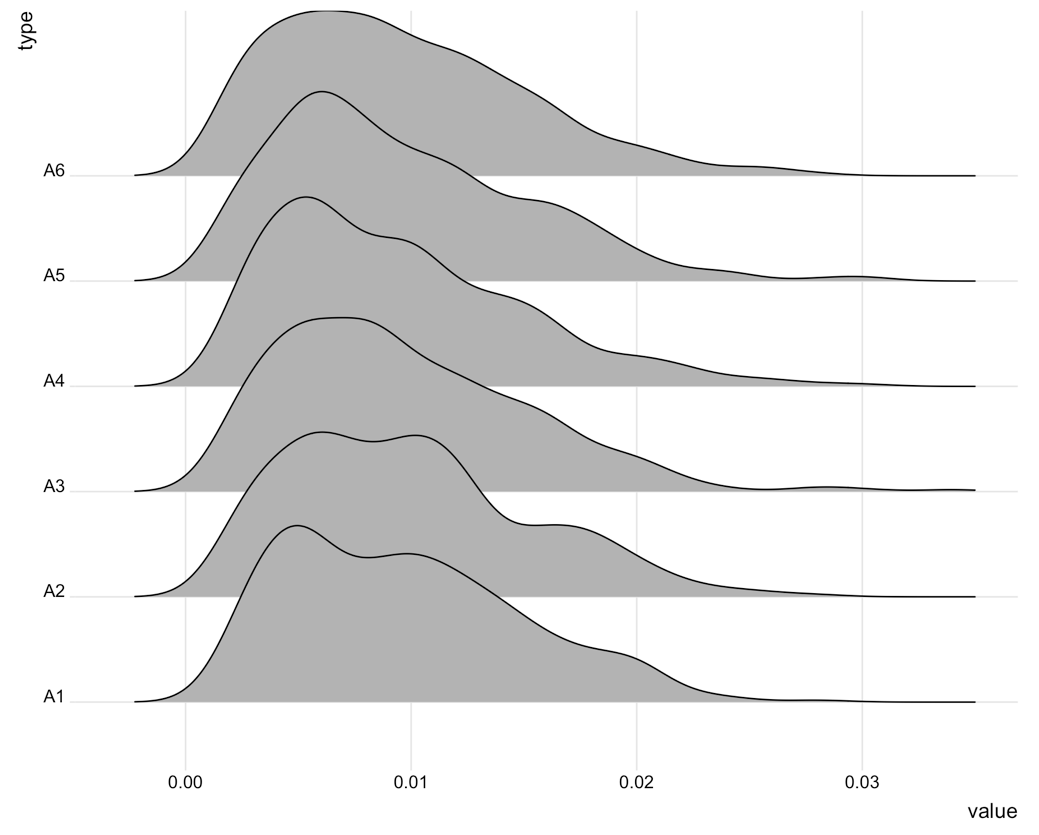
005



006

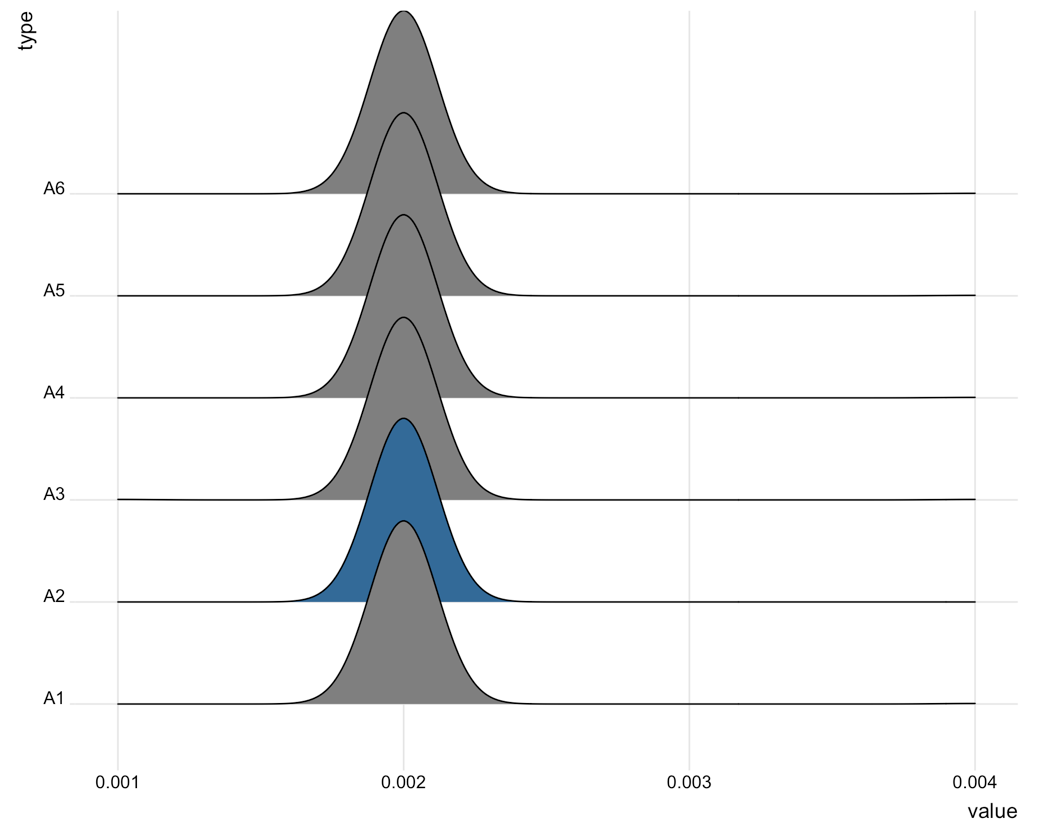


007

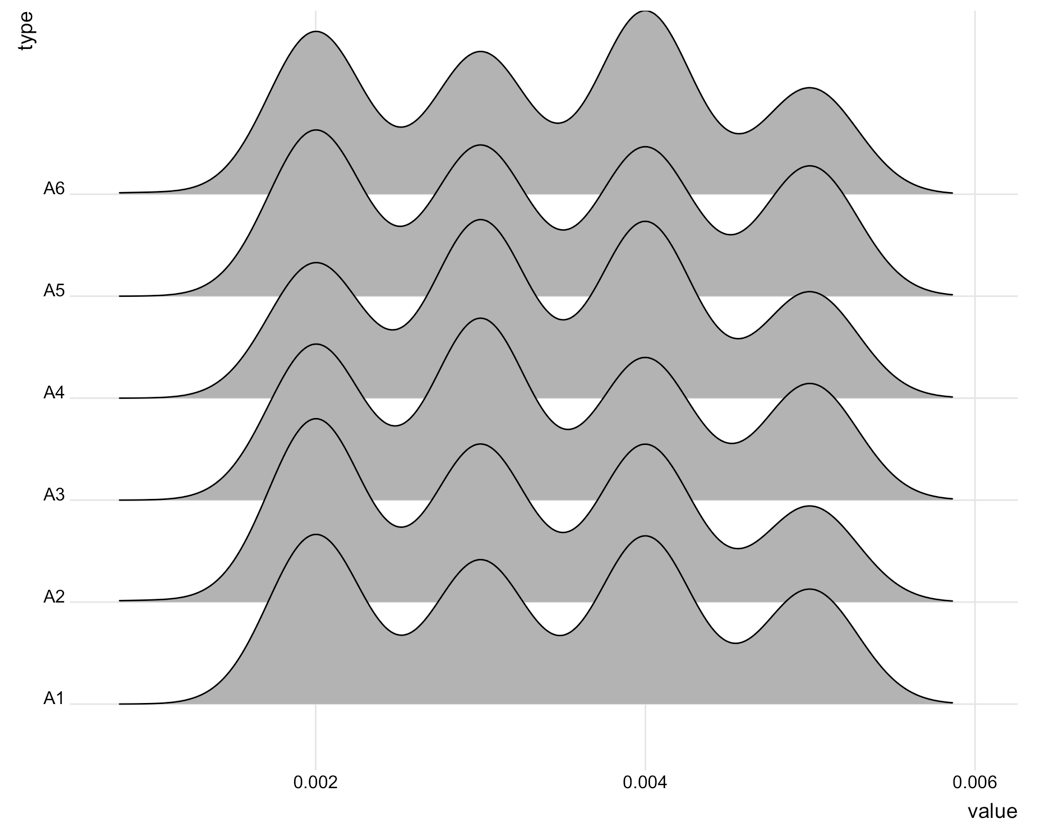


008

Input\_A2\_002只有單一值：0.002 （沒有解釋力）



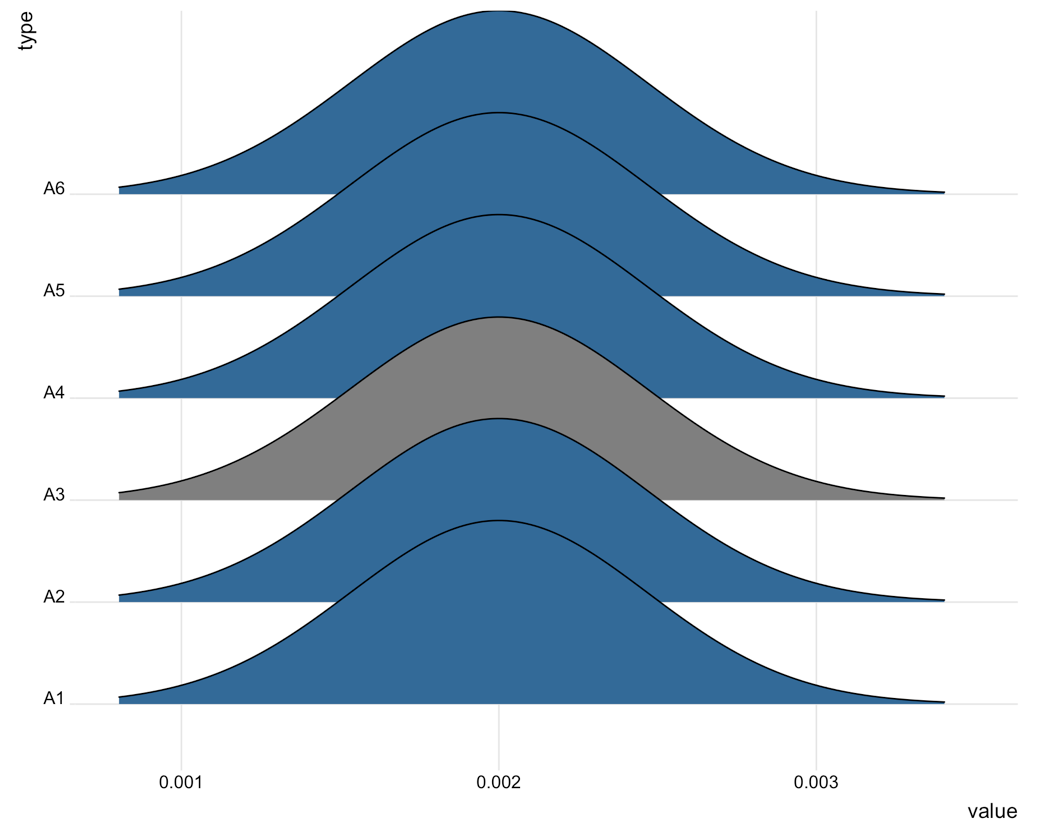
009



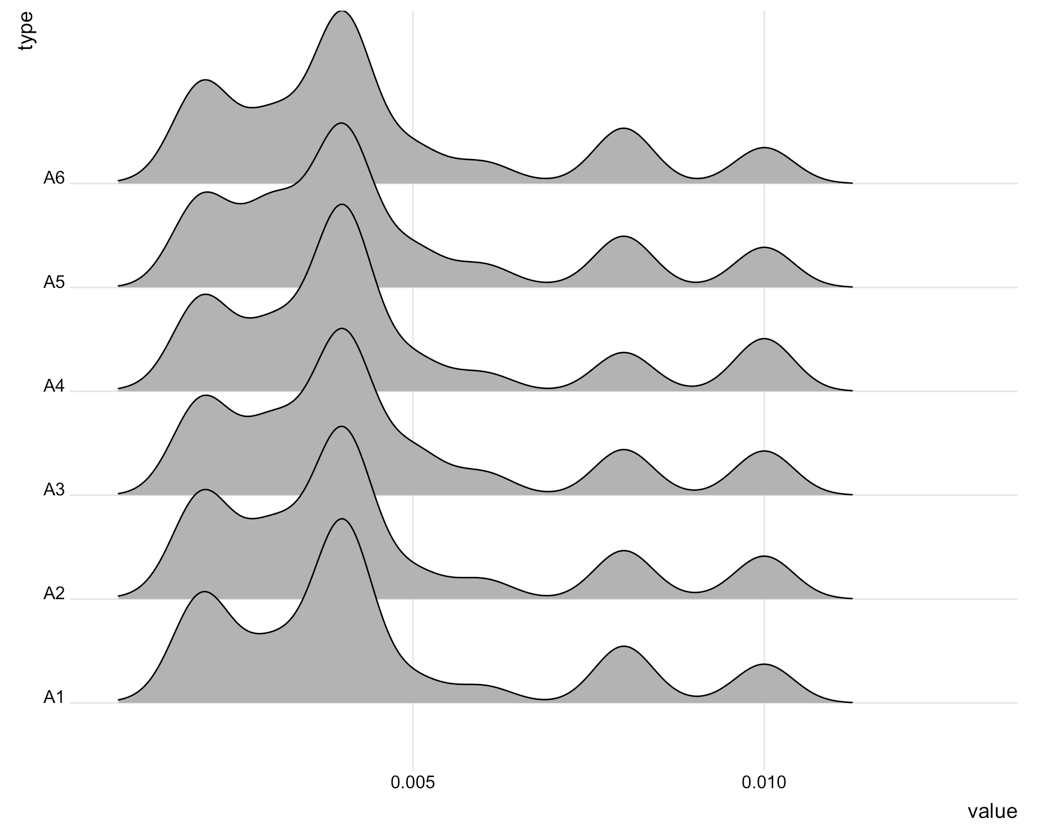
010

Input\_A1\_010, Input\_A2\_010, Input\_A4\_010, Input\_A5\_010, Input\_A6\_010只有單一值：0.002

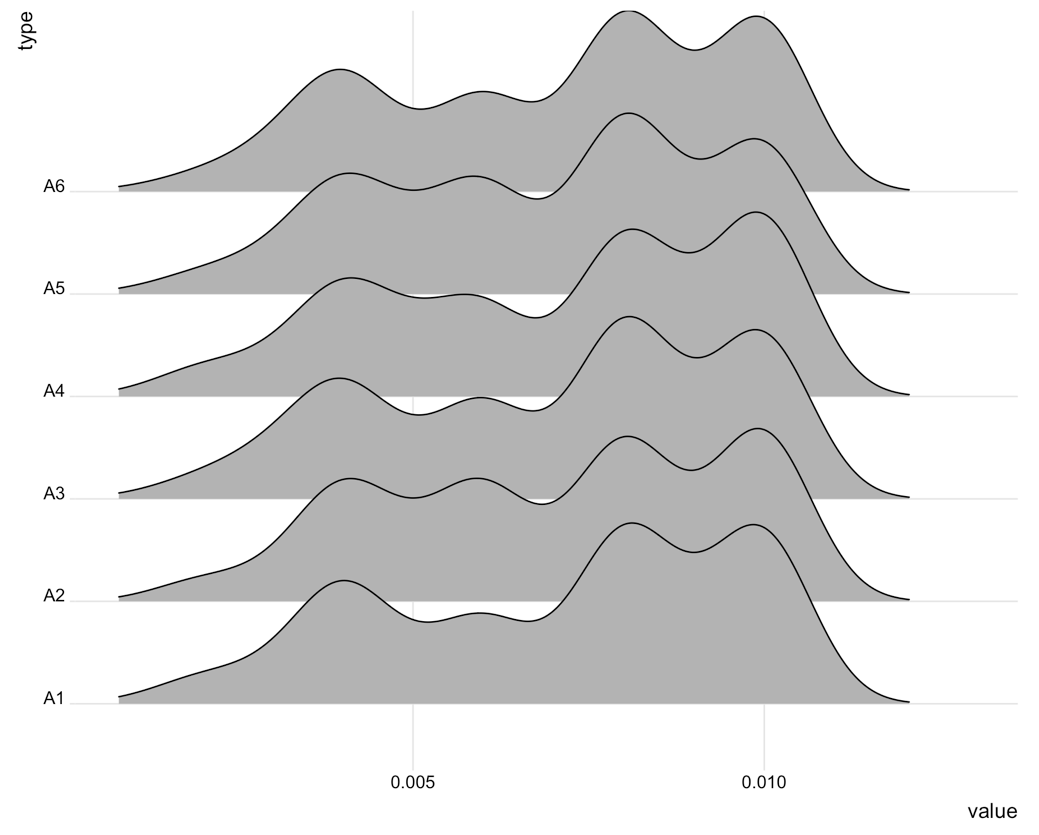
Input\_A3\_010：0.002, 0.001



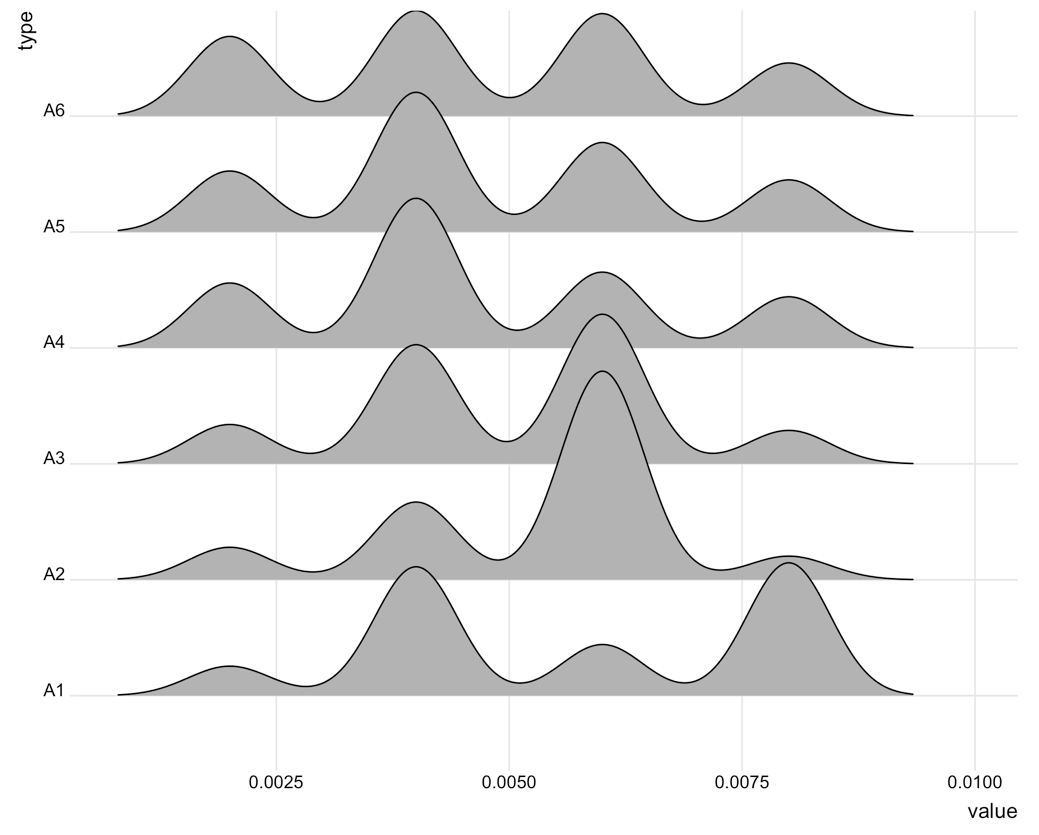
011



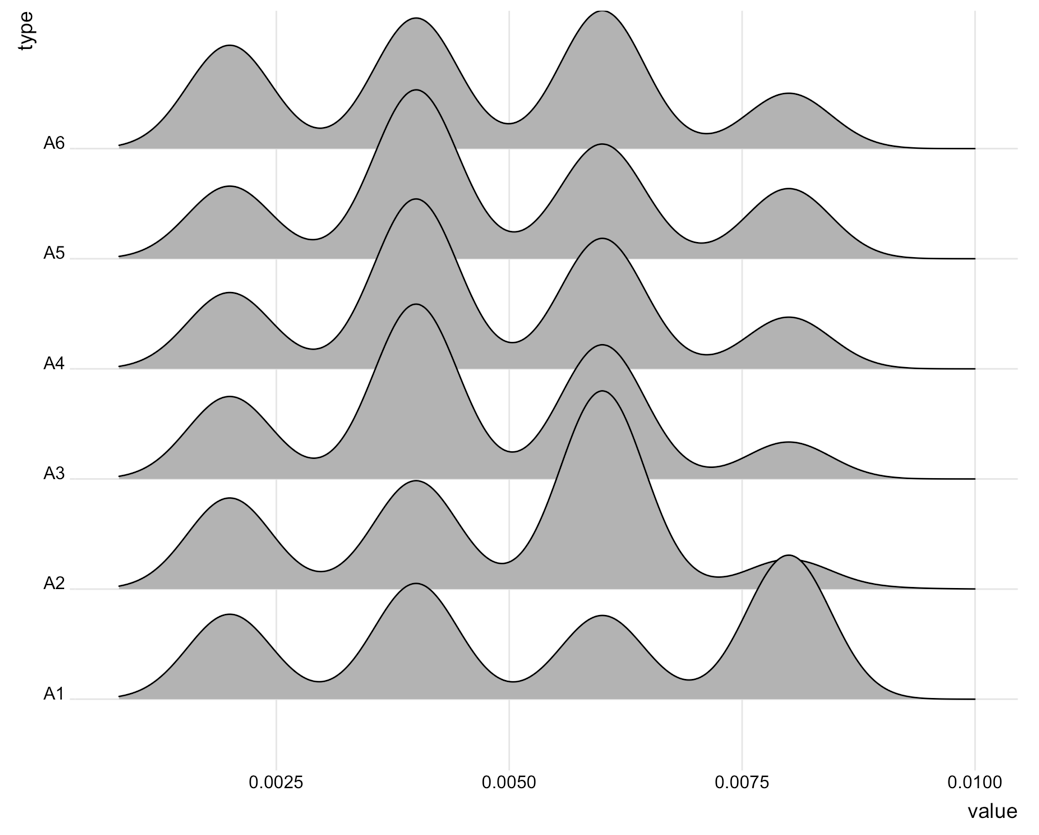
012



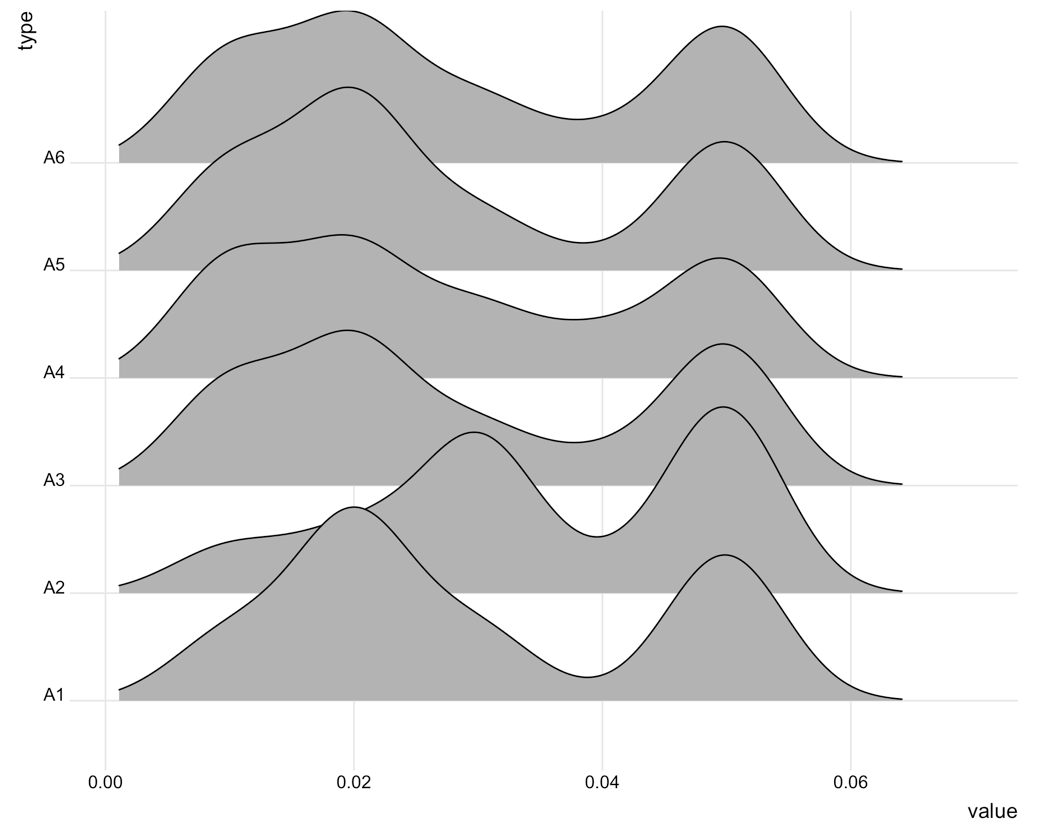
013



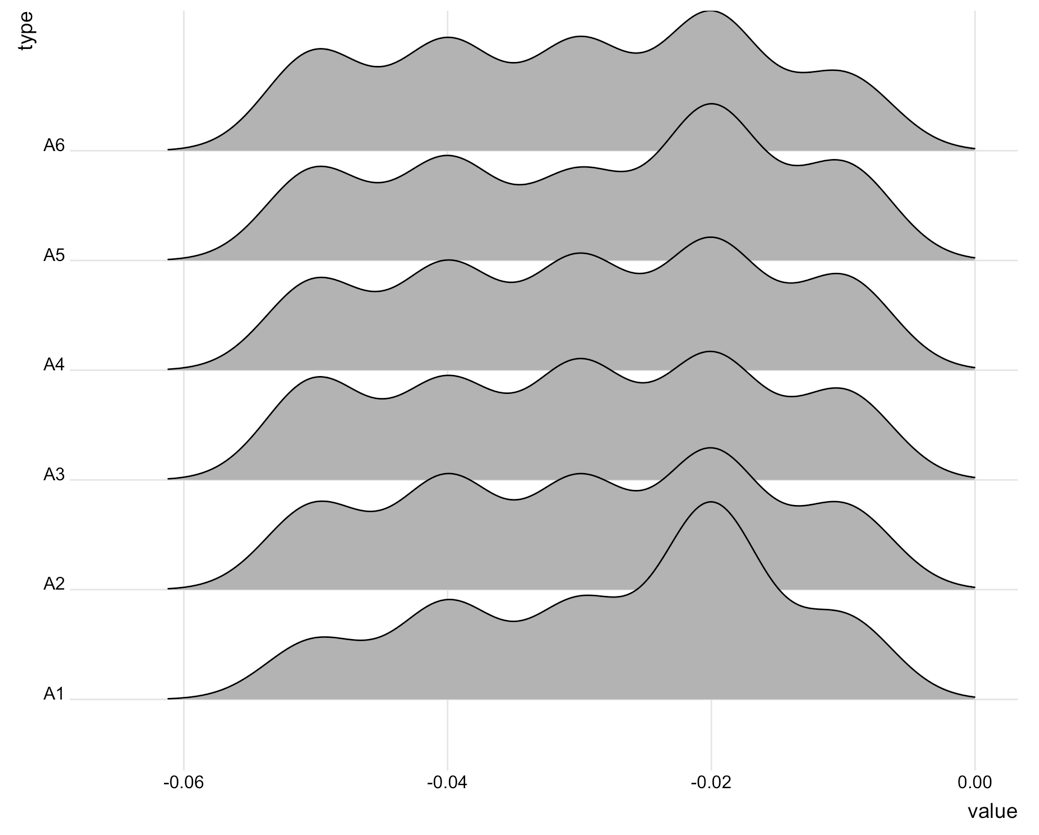
014



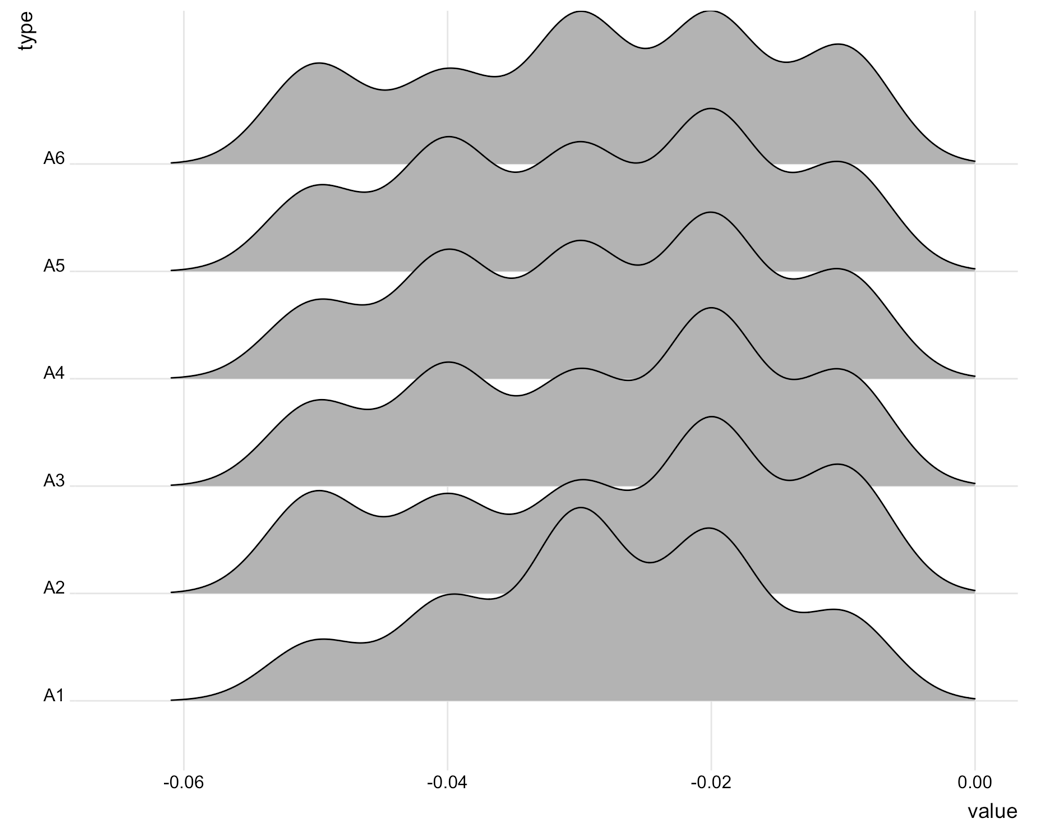
015



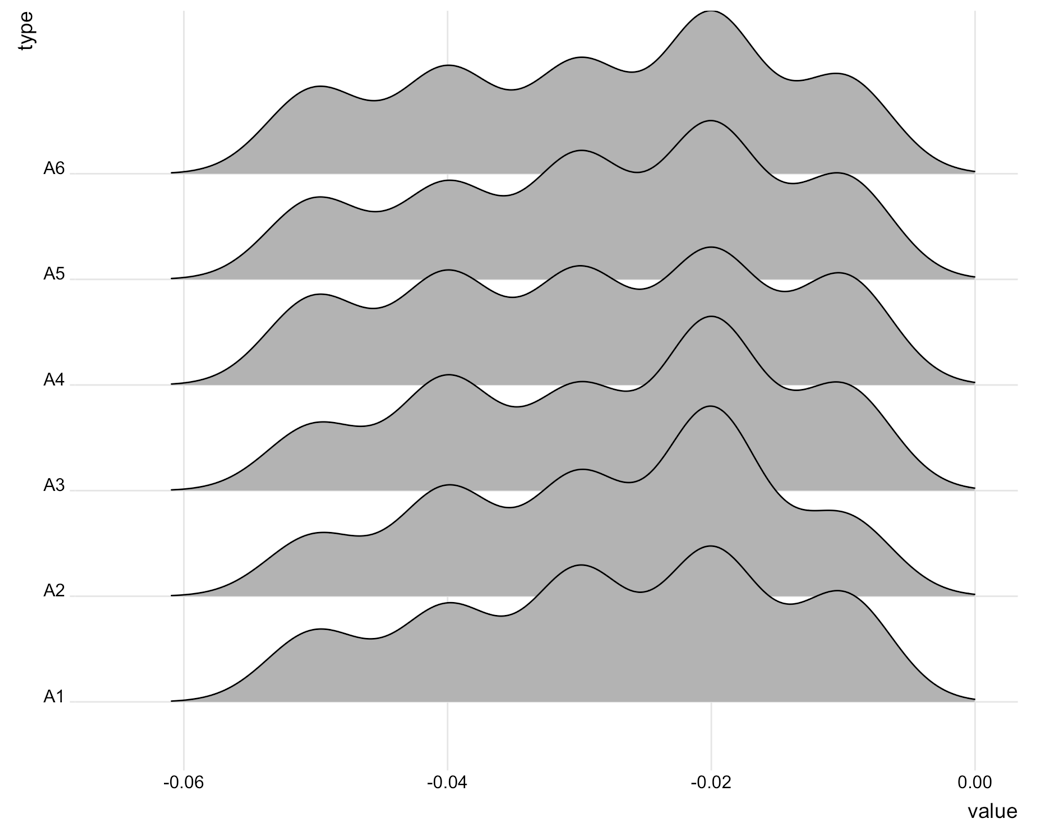
016



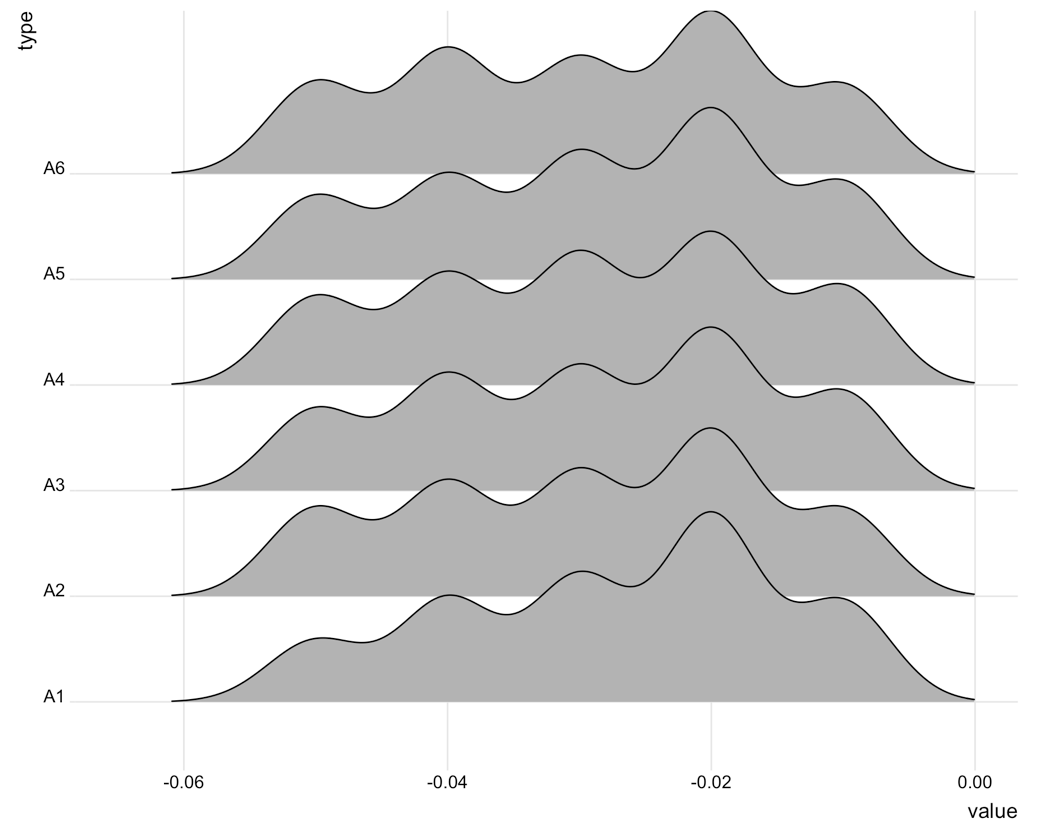
017



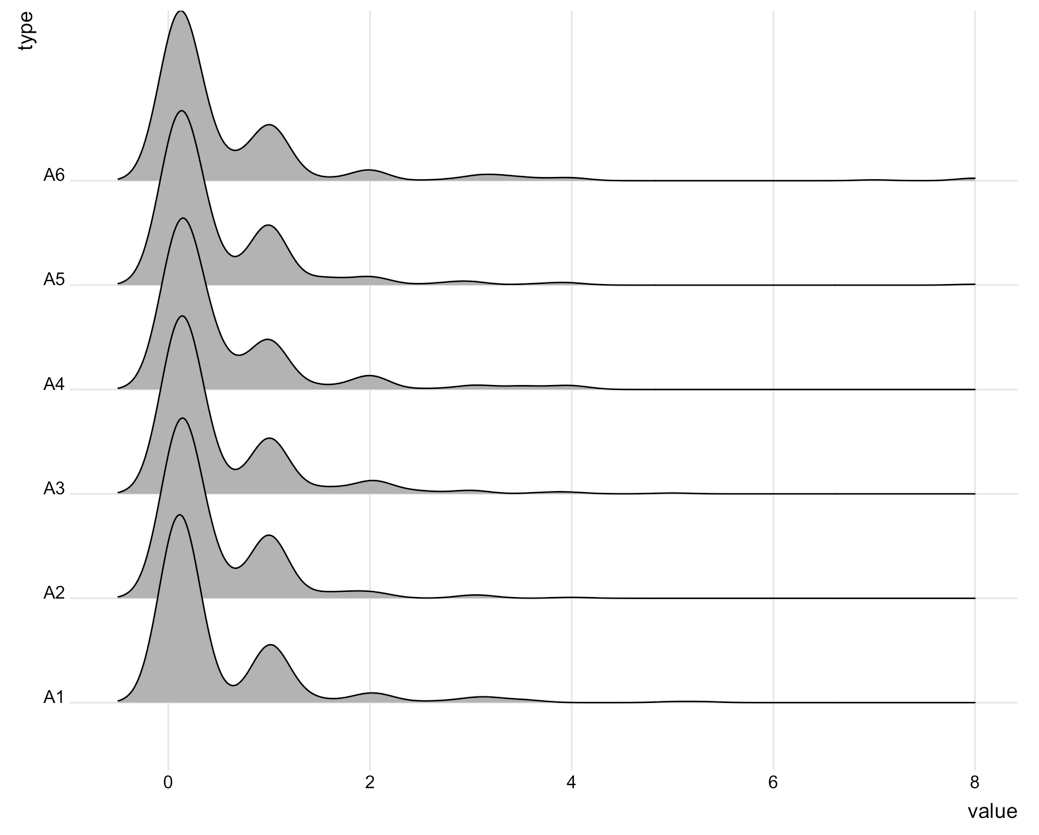
018



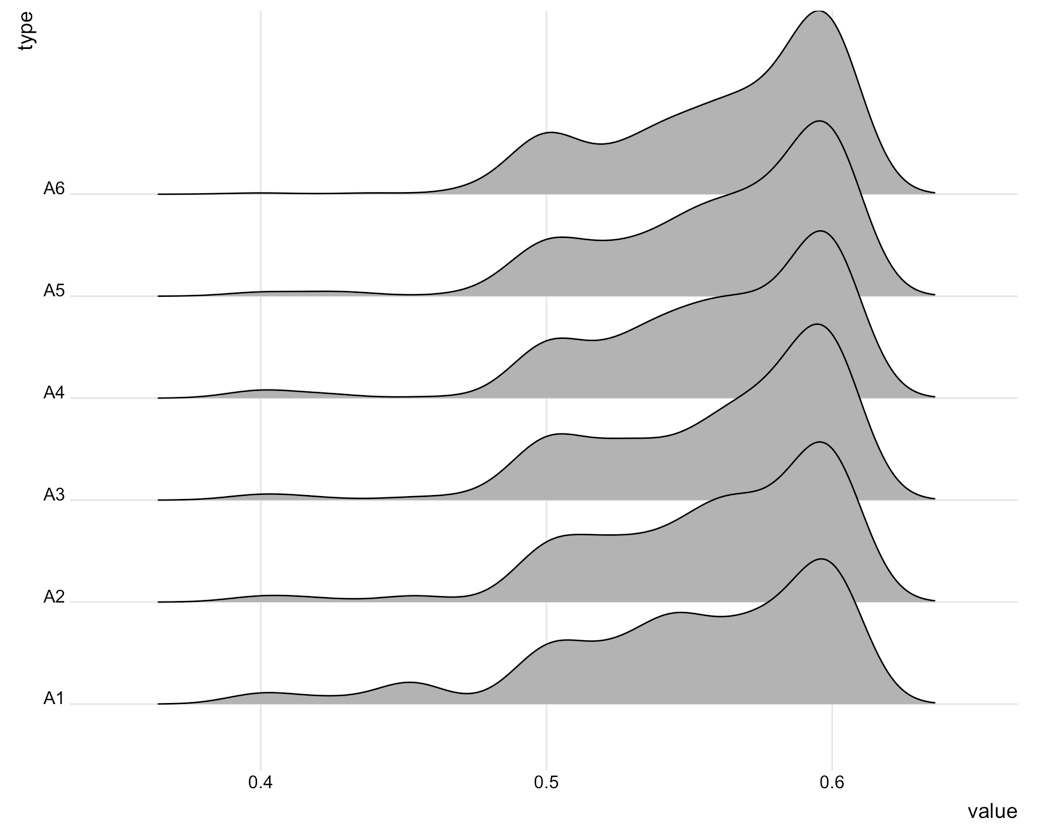
019



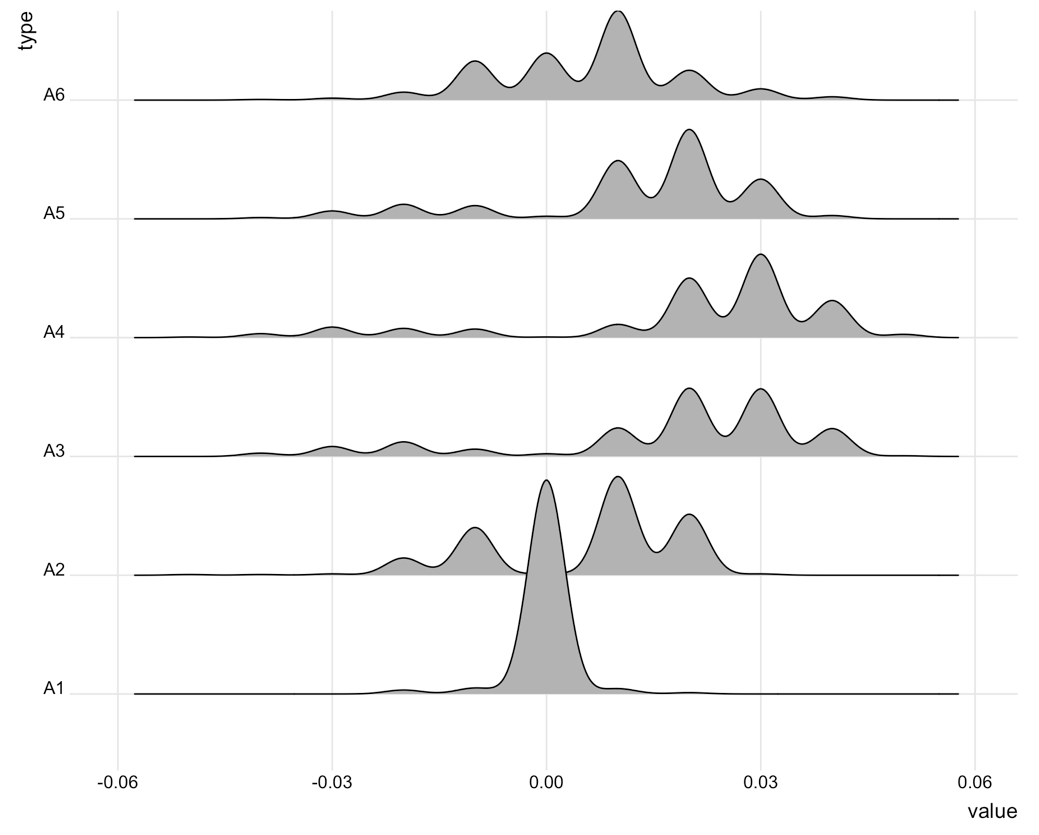
020



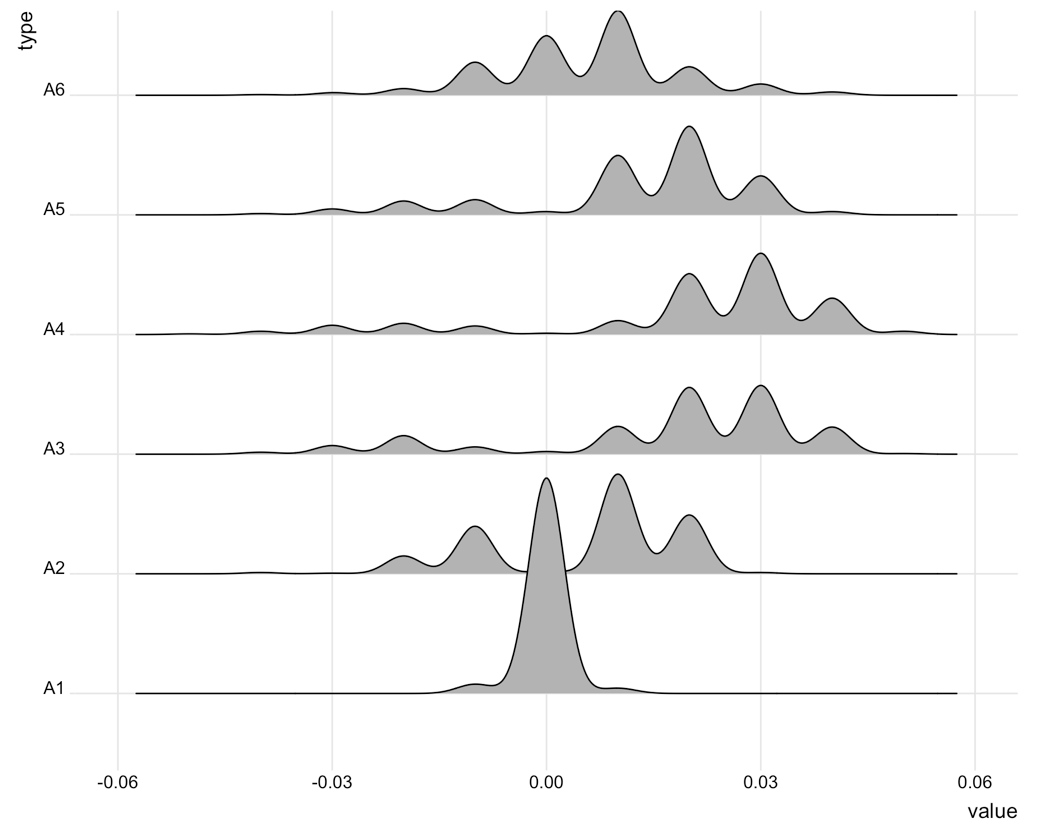
021



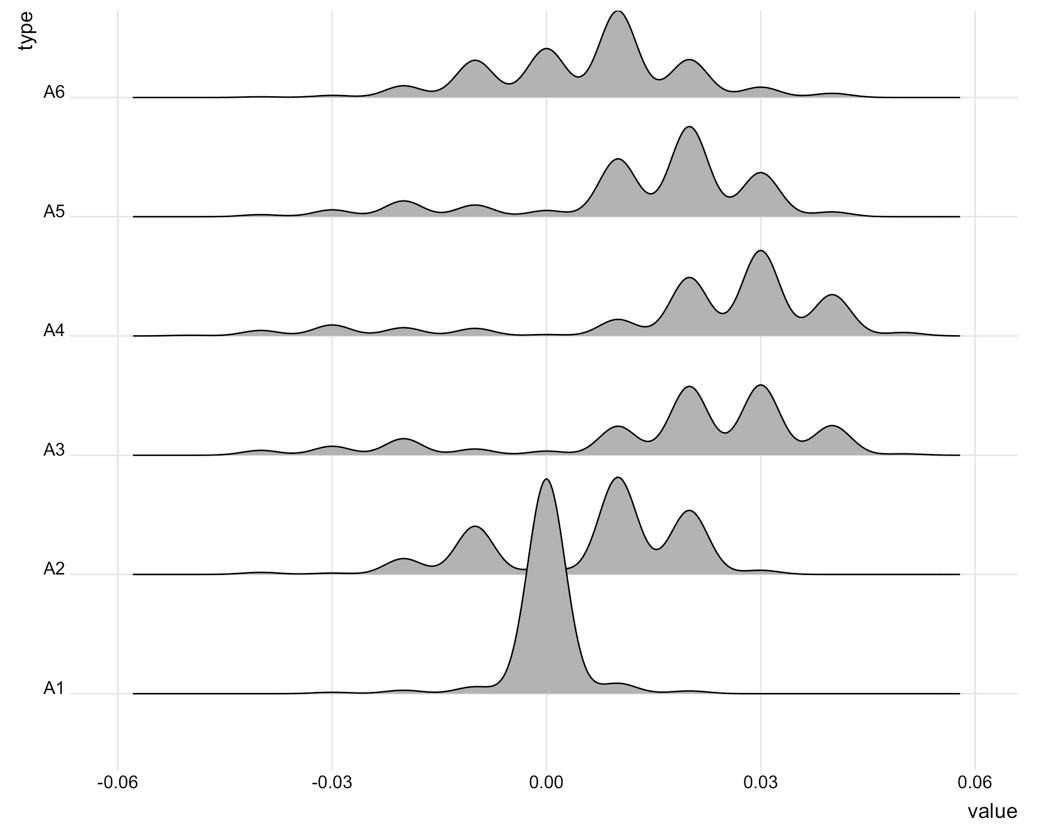
022



023



024



大部分編號相同的Input\_A的分佈都相近，除了022, 023, 024，尤其是A1。

重要變數：Input\_A6\_024、Input\_A3\_016、Input\_C\_013、Input\_A2\_016、Input\_A3\_017、Input\_C\_050、Input\_A6\_001、Input\_C\_096、Input\_A3\_018、Input\_A6\_019、Input\_A1\_020、Input\_A6\_011、Input\_A3\_015、Input\_C\_046、Input\_C\_049、Input\_A2\_024、Input\_C\_058、Input\_C\_057、Input\_A3\_013、Input\_A2\_017

A\_001, A\_011, A\_013, A\_015, **A016**, **A\_017**, A\_018, A\_019, A\_20, **A\_024**

C\_013, C\_046, C\_049, C\_050, C\_057, C\_058, C\_096

畫feature分布 Recipe

SPC