| **Parameter** | **Estimate** | **SE** | ***t*** | ***p*** |  |
| --- | --- | --- | --- | --- | --- |
| Intercept (*γ*00) | 1.784 | 0.177 | 10.096 | < .001 | SS anticipate overall |
| stress\_sum (*γ*10) | −0.000 | 0.076 | −0.004 | .996 |  |
| car\_dev (*γ*20) | 0.098 | 0.245 | 0.398 | .691 |  |
| corsi (*γ*30) | 0.072 | 0.061 | 1.179 | .238 |  |
| Time1 (*γ*01) | 5.751 | 0.506 | 11.356 | < .001 | L2 more abrupt than SS |
| Time2 (*γ*11) | −0.733 | 0.382 | −1.916 | .055 |  |
| Time3 (*γ*21) | −1.219 | 0.181 | −6.733 | < .001 | L2 later than SS overall with less confidence |
| GroupAE (*γ*31) | −0.770 | 0.204 | −3.784 | < .001 | Anticipate less |
| GroupAM (*γ*02) | −0.666 | 0.203 | −3.273 | .001 | Anticipate less |
| GroupIE (*γ*12) | −0.815 | 0.202 | −4.045 | < .001 | Anticipate less |
| GroupIM (γ22) | −1.252 | 0.202 | −6.188 | < .001 | Anticipate less |
| stress\_sum × car\_dev (γ32) | −0.177 | 0.182 | −0.976 | .329 |  |
| stress\_sum × corsi (γ03) | −0.052 | 0.046 | −1.122 | .262 |  |
| car\_dev × corsi (γ13) | 0.050 | 0.266 | 0.188 | .851 |  |
| stress\_sum × Time1 (γ23) | −0.195 | 0.185 | −1.052 | .293 |  |
| stress\_sum × Time2 (γ33) | 0.308 | 0.121 | 2.557 | .011 | Not so much difference in present, preterit more fixations |
| stress\_sum × Time3 (γ04) | −0.027 | 0.146 | −0.185 | .854 |  |
| car\_dev × Time1 (γ14) | 0.918 | 0.827 | 1.109 | .267 |  |
| car\_dev × Time2 (γ24) | −0.500 | 0.565 | −0.886 | .376 |  |
| car\_dev × Time3 (γ34) | −0.099 | 0.437 | −0.226 | .821 |  |
| corsi × Time1 (γ05) | 0.287 | 0.205 | 1.396 | .163 |  |
| corsi × Time2 (γ15) | −0.232 | 0.140 | −1.653 | .098 |  |
| corsi × Time3 (γ25) | −0.215 | 0.109 | −1.976 | .048 | This estimate indicates the curves in the cubic term were more bowed in the present tense than in the preterit tense |
| Time1 × GroupAE (γ35) | 1.491 | 0.582 | 2.563 | .010 | AE more abrupt than SS |
| Time1 × GroupAM (γ06) | 0.374 | 0.582 | 0.643 | .520 |  |
| Time1 × GroupIE (γ16) | 0.751 | 0.576 | 1.303 | .193 |  |
| Time1 × GroupIM (γ26) | 0.702 | 0.578 | 1.214 | .225 |  |
| Time2 × GroupAE (γ36) | 2.309 | 0.471 | 4.898 | < .001 | L2 later |
| Time2 × GroupAM (γ00) | 2.208 | 0.471 | 4.683 | < .001 | L2 later |
| Time2 × GroupIE (γ10) | 2.252 | 0.467 | 4.825 | < .001 | L2 later |
| Time2 × GroupIM (γ20) | 2.039 | 0.469 | 4.351 | < .001 | L2 later |
| stress\_sum × car\_dev:corsi (γ30) | 0.200 | 0.557 | 0.359 | .720 |  |
| stress\_sum × car\_dev:Time1 (γ01) | −0.354 | 0.328 | −1.077 | .281 |  |
| stress\_sum × car\_dev:Time2 (γ11) | 0.285 | 0.327 | 0.870 | .384 |  |
| stress\_sum × car\_dev:Time3 (γ21) | −0.141 | 0.327 | −0.431 | .666 |  |
| stress\_sum × corsi:Time1 (γ31) | 0.084 | 0.084 | 0.996 | .319 |  |
| stress\_sum × corsi:Time2 (γ02) | 0.397 | 0.082 | 4.860 | < .001 | visuospatial WM influenced differently the ability to anticipate depending on the tense condition.  Specifically, variability in visuospatial WM capacity determined more strongly ability to anticipate the preterit, such that individuals with higher WM started to anticipate earlier.  In the present tense, in contrast, visuospatial WM did not exert such a great impact. |
| stress\_sum × corsi:Time3 (γ12) | −0.091 | 0.082 | −1.114 | .265 |  |
| car\_dev × corsi:Time1 (γ22) | −0.230 | 0.896 | −0.257 | .797 |  |
| car\_dev × corsi:Time2 (γ32) | 0.635 | 0.614 | 1.035 | .301 |  |
| car\_dev × corsi:Time3 (γ03) | −1.045 | 0.469 | −2.228 | .026 | individuals with higher visuospatial WM were those who also tended to wait longer to signal the car in the visuospatial anticipation task would appear, and these individuals tended to anticipate better. |
| stress\_sum × car\_dev:corsi:Time1 (γ13) | −1.045 | 1.010 | −1.035 | .301 |  |
| stress\_sum × car\_dev:corsi:Time2 (γ23) | −0.446 | 0.352 | −1.269 | .204 |  |
| stress\_sum × car\_dev:corsi:Time3 (γ33) | −0.122 | 0.352 | −0.347 | .729 |  |
| stress\_sum × car\_dev:corsi:GroupAE (γ04) | −0.090 | 0.662 | −0.136 | .892 |  |
| stress\_sum × car\_dev:corsi:GroupAM (γ14) | −0.304 | 0.632 | −0.481 | .630 |  |
| stress\_sum × car\_dev:corsi:GroupIE (γ24) | −0.400 | 0.742 | −0.540 | .590 |  |
| stress\_sum × car\_dev:corsi:GroupIM (γ34) | 0.367 | 0.813 | 0.451 | .652 |  |
| stress\_sum × car\_dev:corsi:Time1:GroupAE (γ05) | −0.345 | 1.200 | −0.287 | .774 |  |
| stress\_sum × car\_dev:corsi:Time1:GroupAM (γ15) | 2.146 | 1.147 | 1.872 | .061 |  |
| stress\_sum × car\_dev:corsi:Time1:GroupIE (γ25) | 2.554 | 1.348 | 1.895 | .058 |  |
| stress\_sum × car\_dev:corsi:Time1:GroupIM (γ35) | −0.521 | 1.478 | −0.352 | .725 |  |

EN

| **Parameter** | **Estimate** | **SE** | **t** | **p** |  |
| --- | --- | --- | --- | --- | --- |
| GroupIE (γ08) | −0.045 | 0.176 | −0.255 | .799 |  |
| Time1 × GroupIE (γ18) | −0.740 | 0.503 | −1.472 | .141 |  |
| Time2 × GroupIE (γ28) | −0.057 | 0.407 | −0.139 | .889 |  |
| stress\_sum × car\_dev:corsi:GroupIE (γ09) | −0.310 | 0.612 | −0.507 | .612 |  |
| stress\_sum × car\_dev:corsi:Time1:GroupIE (γ19) | 2.899 | 1.112 | 2.606 | .009 | **higherWM, later car, pret** |

MA

| **Parameter** | **Estimate** | **SE** | **t** | **p** |  |
| --- | --- | --- | --- | --- | --- |
| GroupIM (γ08) | −0.586 | 0.181 | −3.244 | .001 | IM anticipate less than AM |
| Time1 × GroupIM (γ18) | 0.328 | 0.517 | 0.635 | .525 |  |
| Time2 × GroupIM (γ28) | −0.169 | 0.419 | −0.404 | .686 |  |
| stress\_sum × car\_dev:corsi:GroupIM (γ09) | 0.671 | 0.660 | 1.018 | .309 |  |
| stress\_sum × car\_dev:corsi:Time1:GroupIM (γ19) | −2.667 | 1.198 | −2.225 | .026 |  |

Adv

| **Parameter** | **Estimate** | **SE** | **t** | **p** |  |
| --- | --- | --- | --- | --- | --- |
| GroupAM (γ08) | 0.104 | 0.182 | 0.571 | .568 |  |
| Time1 × GroupAM (γ18) | −1.117 | 0.522 | −2.141 | .032 | AM more steady than AE |
| Time2 × GroupAM (γ28) | −0.101 | 0.423 | −0.239 | .811 |  |
| stress\_sum × car\_dev:corsi:GroupAM (γ09) | −0.214 | 0.484 | −0.443 | .658 |  |
| stress\_sum × car\_dev:corsi:Time1:GroupAM (γ19) | 2.491 | 0.879 | 2.836 | .005 |  |

Int

| **Parameter** | **Estimate** | **SE** | **t** | **p** |  |
| --- | --- | --- | --- | --- | --- |
| GroupIM (γ08) | −0.437 | 0.178 | −2.456 | .014 | IM anticipate less than IE |
| Time1 × GroupIM (γ18) | −0.048 | 0.509 | −0.095 | .924 |  |
| Time2 × GroupIM (γ28) | −0.214 | 0.412 | −0.518 | .605 |  |
| stress\_sum × car\_dev:corsi:GroupIM (γ09) | 0.767 | 0.773 | 0.993 | .321 |  |
| stress\_sum × car\_dev:corsi:Time1:GroupIM (γ19) | −3.075 | 1.405 | −2.188 | .029 |  |