**Amygdala**

**F-test: BOLD ~ time\*choice\*response (4\*2\*2 rm-anova)**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Effect | Sumsq | DF | DFGG | Meansq | F | p | pGG | pLB |  |
| Intercept | 0.0021445 | 1 | 0.36816 | 0.0021445 | 1.1062 | .29734 | .29734 |  | 0.019038 |
| *Error* | 0.1105 | 57 | 20.9853 | 0.0019386 |  |  |  |  |  |
| Time | 0.0036618 | 3 | ***1.1045*** | 0.0012206 | 4.2591 | ***.006252*** | ***.013755*** |  | ***0.069526*** |
| *Error* | 0.049007 | 171 | 62.9558 | 0.00028659 |  |  |  |  |  |
| Choice | 0.008477 | 1 | ***0.36816*** | 0.008477 | 12.205 | ***.0009289*** | ***.0009289*** |  | ***0.17636*** |
| *Error* | 0.03959 | 57 | 20.9853 | 0.00069456 |  |  |  |  |  |
| Response | 0.00039767 | 1 | 0.36816 | 0.00039767 | 0.52563 | .47142 | .47142 |  | 0.009137 |
| *Error* | 0.043124 | 57 | 20.9853 | 0.00075656 |  |  |  |  |  |
| Time:Choice | 0.0011708 | 3 | ***1.1045*** | 0.00039027 | 5.0339 | ***.0022834*** | ***.0033439*** |  | ***0.081148*** |
| *Error* | 0.013258 | 171 | 62.9558 | 0.00007753 |  |  |  |  |  |
| Time:Response | 0.0001892 | 3 | 1.1045 | 0.000063066 | 0.54954 | .64912 | .63335 |  | 0.009549 |
| *Error* | 0.019624 | 171 | 62.9558 | 0.00011476 |  |  |  |  |  |
| Choice:Response | 0.00003035 | 1 | 0.36816 | 0.000023035 | 0.025928 | .87265 | .87265 |  | 0.000455 |
| *Error* | 0.050641 | 57 | 20.9853 | 0.00088844 |  |  |  |  |  |
| Time:Choice:Response | 0.000026543 | 3 | 1.1045 | 0.0000088478 | 0.078882 | .97138 | .95588 |  | 0.001382 |
| *Error* | 0.01918 | 171 | 62.9558 | 0.00011217 |  |  |  |  |  |

**t-test: BOLD ~ choice** per time bin

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Bin | t | DF | P | CI (y1-y2) |
| 2 | 2.9527 | 57 | .0046 | [.0015 .0077] |
| 3 | 1.6797 | 57 | .0985 | [-.00063498 .0072] |
| 4 | 3.2341 | 57 | .002 | [.0027 .0116] |
| 5 | 4.1693 | 57 | .00010512 | [.0047 .0135] |

**Ventral striatum**

**F-test: BOLD ~ time\*choice\*response (4\*2\*2 rm-anova)**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Effect | Sumsq | DF | DFGG | Meansq | F | p | pGG | pLB |  |
| Intercept | 0.0014926 | 1 | .31696 | 0.0014926 | 0.35586 | 0.55317 | .55317 |  | .006204 |
| *Error* | 0.23908 | 57 | 18.0668 | 0.0041944 |  |  |  |  |  |
| Time | 0.035839 | 3 | 0.9509 | 0.011913 | 22.028 | ***.0000000000041326*** | ***.0000015823*** |  | ***.278737*** |
| *Error* | 0.092479 | 171 | 54.2004 | 0.00054081 |  |  |  |  |  |
| Choice | 0.0051459 | 1 | .31696 | 0.0051459 | 8.6832 | ***.004645*** | ***.0046458*** |  | ***.132198*** |
| *Error* | 0.03378 | 57 | 18.0668 | 0.00059262 |  |  |  |  |  |
| Response | 0.00079686 | 1 | .31696 | 0.00079686 | 0.97616 | 0.32732 | .32732 |  | .016837 |
| *Error* | 0.04653 | 57 | 18.0668 | 0.00081632 |  |  |  |  |  |
| Time:Choice | 0.0020788 | 3 | 0.9509 | 0.00069294 | 9.4897 | ***.00000783*** | ***.000032712*** |  | ***.142724*** |
| *Error* | 0.012486 | 171 | 54.2004 | 0.00007302 |  |  |  |  |  |
| Time:Response | 0.000036648 | 3 | 0.9509 | 0.0000122216 | 0.071671 | .97505 | .90645 |  | .001256 |
| *Error* | 0.029146 | 171 | 54.2004 | 0.00017045 |  |  |  |  |  |
| Choice:Response | 0.0014014 | 1 | .31696 | 0.0014014 | 1.2865 | .26143 | .26143 |  | .022072 |
| *Error* | 0.062088 | 57 | 18.0668 | 0.0010893 |  |  |  |  |  |
| Time:Choice:Response | 0.00052197 | 3 | 0.9509 | 0.00017399 | 1.173 | .32162 | .31262 |  | .020164 |
| *Error* | 0.025364 | 171 | 54.2004 | 0.00014833 |  |  |  |  |  |

**t-test: BOLD ~ choice** per time bin

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Bin | t | DF | P | CI (y1-y2) |
| 2 | 1.1044 | 57 | .2740 | [-.0015 .0052] |
| 3 | 1.6368 | 57 | .1072 | [-.00062019 .0062] |
| 4 | 2.2902 | 57 | .0257 | [.00057711 .0086] |
| 5 | 4.6589 | 57 | .000019521 | [.0055 .0137] |

**vmPFC**

**F-test: BOLD ~ time\*choice\*response (4\*2\*2 rm-anova)**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Effect | Sumsq | DF | DFGG | Meansq | F | p | pGG | pLB |  |
| Intercept | .0028271 | 1 | 0.31522 | .0028271 | 3.3088 | .074164 | .074164 |  | .054864 |
| *Error* | .048703 | 57 | 17.96754 | .00085443 |  |  |  |  |  |
| Time | .000565533 | 3 | 0.94566 | .00018844 | 1.5837 | .19512 | .2123 |  | .027033 |
| *Error* | .023047 | 171 | 53.90262 | .00011899 |  |  |  |  |  |
| Choice | .0011083 | 1 | 0.31522 | .0011083 | 3.8532 | *.054539* | *.054539* |  | *.06332* |
| *Error* | .016395 | 57 | 17.96754 | .00028764 |  |  |  |  |  |
| Response | .00043595 | 1 | 0.31522 | .00043595 | 1.54888 | .21841 | .21841 |  | .026454 |
| *Error* | .016044 | 57 | 17.96754 | .00028148 |  |  |  |  |  |
| Time:Choice | .0007502 | 3 | 0.94566 | .00025007 | 7.8983 | ***.000057733*** | ***.00022417*** |  | ***.121703*** |
| *Error* | .005414 | 171 | 53.90262 | .000031661 |  |  |  |  |  |
| Time:Response | .000019785 | 3 | 0.94566 | .0000063951 | 0.19239 | .90148 | .85642 |  | .003364 |
| *Error* | .0056842 | 171 | 53.90262 | .000033241 |  |  |  |  |  |
| Choice:Response | .0000050656 | 1 | 0.31522 | .0000050656 | 0.015909 | .90007 | .90007 |  | .000279 |
| *Error* | .018149 | 57 | 17.96754 | .00031841 |  |  |  |  |  |
| Time:Choice:Response | .00014022 | 3 | 0.94566 | .00004674 | 1.3966 | .24558 | .25106 |  | .023916 |
| *Error* | .005723 | 171 | 53.90262 | .000033468 |  |  |  |  |  |

**t-test: BOLD ~ choice** per time bin

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Bin | t | DF | P | CI (y1-y2) |
| 2 | 0.3923 | 57 | .6963 | [-0.0018 0.0026] |
| 3 | 0.9969 | 57 | .3230 | [-0.0013 0.0038] |
| 4 | 1.4579 | 57 | .1504 | [-0.00070417 0.0045] |
| 5 | 3.5415 | 57 | .00080103 | [0.0022 0.0081] |