VS Activation

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| VS Activation: Domain \* Outcome (corrcon, ise, ee) | | | | |
| contrast | *tstat* | *uncp* | *fwep* | *cfwep* |
| c1: pos | -0.7739 | 0.7793 | 0.7793 | 1 |
| c2: neg | 0.7739 | 0.2208 | 0.2208 | 0.9549 |
| c3: RS-pos | -0.1752 | 0.5725 | 0.5725 | 1 |
| c4: RS-neg | 0.1752 | 0.4276 | 0.4276 | 1 |
| c5: RS\_square-pos | -1.4749 | 0.9226 | 0.9226 | 1 |
| c6: RS\_square-neg | 1.4749 | 0.0775 | 0.0775 | 0.5665 |
| c7: SU-pos | -1.1077 | 0.8649 | 0.8649 | 1 |
| c8: SU-neg | 1.1077 | 0.1352 | 0.1352 | 0.8095 |
| c9: SU\*RS-pos | -0.283 | 0.6148 | 0.6148 | 1 |
| c10: SU\*RS-neg | 0.283 | 0.3853 | 0.3853 | 0.9996 |
| c11: SU\*RS\_sq-pos | 0.4043 | 0.3447 | 0.3447 | 0.998 |
| c12: SU\*RS\_sq-neg | -0.4043 | 0.6554 | 0.6554 | 1 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| VS Activation: Domain (corrcon, ise, ee) | | | | |
| contrast | *tstat* | *uncp* | *fwep* | *cfwep* |
| c1: pos | 0.6244 | 0.257 | 0.257 | 0.983 |
| c2: neg | -0.6244 | 0.7431 | 0.7431 | 1 |
| c3: RS-pos | 0.5333 | 0.2985 | 0.2985 | 0.992 |
| c4: RS-neg | -0.5333 | 0.7016 | 0.7016 | 1 |
| c5: RS\_square-pos | 0.0187 | 0.4916 | 0.4916 | 1 |
| c6: RS\_square-neg | -0.0187 | 0.5085 | 0.5085 | 1 |
| c7: SU-pos | 0.3464 | 0.3596 | 0.3596 | 0.9994 |
| c8: SU-neg | -0.3464 | 0.6405 | 0.6405 | 1 |
| c9: SU\*RS-pos | -0.0643 | 0.5298 | 0.5298 | 1 |
| c10: SU\*RS-neg | 0.0643 | 0.4703 | 0.4703 | 1 |
| c11: SU\*RS\_sq-pos | -0.611 | 0.7281 | 0.7281 | 1 |
| c12: SU\*RS\_sq-neg | 0.611 | 0.272 | 0.272 | 0.9845 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| VS Activation: Outcome (corrcon, ise, ee) | | | | |
| contrast | *tstat* | *uncp* | *fwep* | *cfwep* |
| c1: pos | 13.5344 | 0.0002\*\*\* | 0.0002\*\*\* | 0.0002 |
| c2: neg | -13.5344 | 0.9999 | 0.9999 | 1 |
| c3: RS-pos | 1.542 | 0.0619 | 0.0619 | 0.532 |
| c4: RS-neg | -1.542 | 0.9382 | 0.9382 | 1 |
| c5: RS\_square-pos | 0.3478 | 0.3601 | 0.3601 | 0.9991 |
| c6: RS\_square-neg | -0.3478 | 0.64 | 0.64 | 1 |
| c7: SU-pos | -1.1312 | 0.8693 | 0.8693 | 1 |
| c8: SU-neg | 1.1312 | 0.1308 | 0.1308 | 0.8096 |
| c9: SU\*RS-pos | -0.2062 | 0.5794 | 0.5794 | 1 |
| c10: SU\*RS-neg | 0.2062 | 0.4207 | 0.4207 | 1 |
| c11: SU\*RS\_sq-pos | -2.198 | 0.9817 | 0.9817 | 1 |
| c12: SU\*RS\_sq-neg | 2.198 | 0.0184\* | 0.0184\* | 0.1757 |

Chart, scatter chart

Description automatically generated

**Fig. X. Aberrant reward sensitivity blunts the relationship between substance use and striatal activation during receipt of rewards.** (A) Ventral striatum ROI. (B) For individuals with moderate levels of reward sensitivity, greater levels of substance use are weakly associated with striatal activation for rewards. However, for individuals with aberrant reward sensitivity, greater levels of substance use are associated with decreased striatal activation for rewards.

PPI Connectivity: VS-Targets

Diagram

Description automatically generated

**Fig. X. ROIs for PPI analyses.** (A) Ventral striatum seed region and (B) target regions related to social processing.

dmPFC (pp. 4-5)

vmPFC (pp. 6-7)

rFFA (pp. 8-9)

bAMY (pp. 10-11)

PCC (pp. 12-13)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| PPI: VS-dmPFC, Domain \* Outcome (corrcon, ise, ee) | | | | |
| contrast | *tstat* | *uncp* | *fwep* | *cfwep* |
| c1: pos | 0.4504 | 0.32 | 0.7291 | 1 |
| c2: neg | -0.4504 | 0.6801 | 0.9672 | 1 |
| c3: RS-pos | 1.7279 | 0.0467\* | 0.1757 | 0.8842 |
| c4: RS-neg | -1.7279 | 0.9534 | 0.9999 | 1 |
| c5: RS\_square-pos | -0.3105 | 0.6242 | 0.9563 | 1 |
| c6: RS\_square-neg | 0.3105 | 0.3759 | 0.7923 | 1 |
| c7: SU-pos | -2.5251 | 0.9931 | 1 | 1 |
| c8: SU-neg | 2.5251 | 0.007\*\* | 0.0353\* | 0.3297 |
| c9: SU\*RS-pos | 2.0168 | 0.025\* | 0.1017 | 0.6996 |
| c10: SU\*RS-neg | -2.0168 | 0.9751 | 1 | 1 |
| c11: SU\*RS\_sq-pos | -0.2995 | 0.6126 | 0.9521 | 1 |
| c12: SU\*RS\_sq-neg | 0.2995 | 0.3875 | 0.801 | 1 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| PPI: VS-dmPFC, Domain (corrcon, ise, ee) | | | | |
| contrast | *tstat* | *uncp* | *fwep* | *cfwep* |
| c1: pos | 1.1788 | 0.1249 | 0.4363 | 0.9995 |
| c2: neg | -1.1788 | 0.8752 | 0.9999 | 1 |
| c3: RS-pos | -0.0671 | 0.5388 | 0.959 | 1 |
| c4: RS-neg | 0.0671 | 0.4613 | 0.9367 | 1 |
| c5: RS\_square-pos | -0.5649 | 0.7199 | 0.9929 | 1 |
| c6: RS\_square-neg | 0.5649 | 0.2802 | 0.7646 | 1 |
| c7: SU-pos | 0.392 | 0.3437 | 0.8307 | 1 |
| c8: SU-neg | -0.392 | 0.6564 | 0.9836 | 1 |
| c9: SU\*RS-pos | 0.9121 | 0.1826 | 0.6021 | 1 |
| c10: SU\*RS-neg | -0.9121 | 0.8175 | 0.9993 | 1 |
| c11: SU\*RS\_sq-pos | 0.786 | 0.2162 | 0.6743 | 1 |
| c12: SU\*RS\_sq-neg | -0.786 | 0.7839 | 0.9984 | 1 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| PPI: VS-dmPFC, Outcome (corrcon, ise, ee) | | | | |
| contrast | *tstat* | *uncp* | *fwep* | *cfwep* |
| c1: pos | -0.2658 | 0.5976 | 0.922 | 1 |
| c2: neg | 0.2658 | 0.4025 | 0.7813 | 1 |
| c3: RS-pos | -0.9607 | 0.8216 | 0.9924 | 1 |
| c4: RS-neg | 0.9607 | 0.1785 | 0.4735 | 0.9997 |
| c5: RS\_square-pos | -0.1298 | 0.5476 | 0.898 | 1 |
| c6: RS\_square-neg | 0.1298 | 0.4525 | 0.8316 | 1 |
| c7: SU-pos | 2.1169 | 0.0215\* | 0.0868 | 0.6117 |
| c8: SU-neg | -2.1169 | 0.9786 | 1 | 1 |
| c9: SU\*RS-pos | 0.4564 | 0.323 | 0.7135 | 1 |
| c10: SU\*RS-neg | -0.4564 | 0.6771 | 0.9586 | 1 |
| c11: SU\*RS\_sq-pos | 0.6934 | 0.2458 | 0.5965 | 1 |
| c12: SU\*RS\_sq-neg | -0.6934 | 0.7543 | 0.9783 | 1 |

Diagram

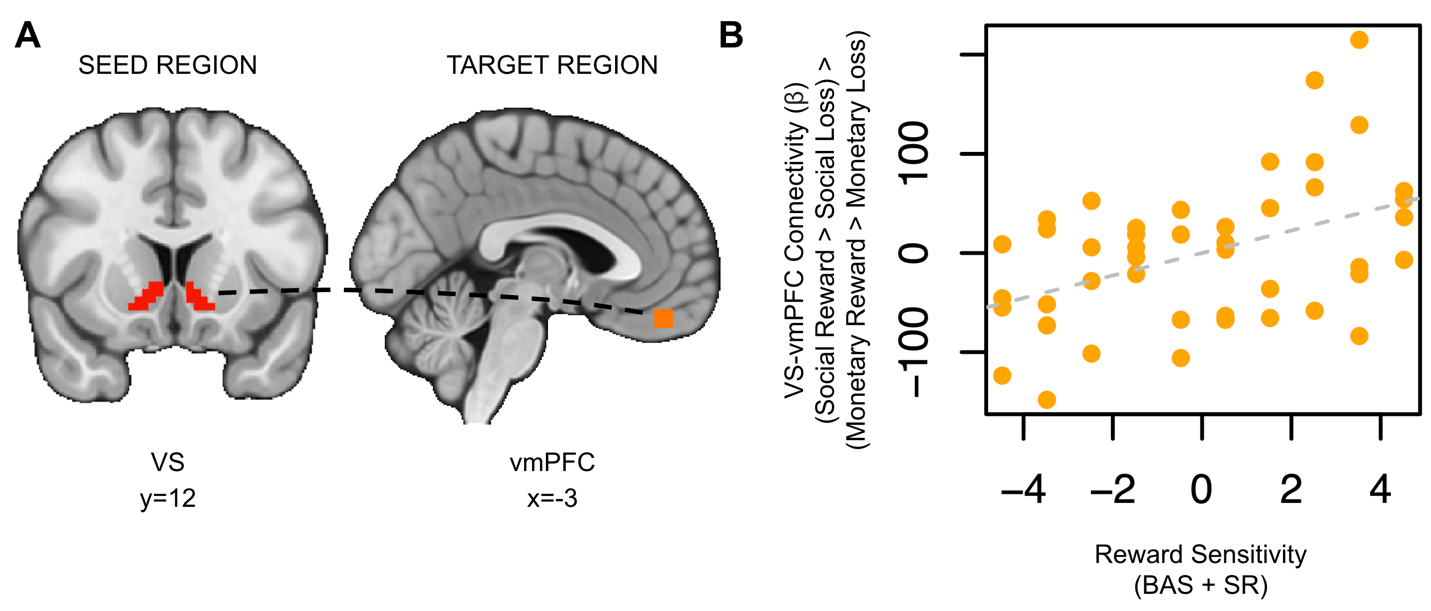
Description automatically generated

**Fig. X. Substance use is associated with decreased VS-dmPFC connectivity for social rewards.** (A) Ventral striatum seed region and dmPFC target region. (B) As substance use increases, connectivity between the ventral striatum and the dorsomedial prefrontal cortex (dmPFC) during receipt of social rewards is reduced.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| PPI: VS-vmPFC, Domain \* Outcome (corrcon, ise, ee) | | | | |
| contrast | *tstat* | *uncp* | *fwep* | *cfwep* | |
| c1: pos | 0.0052 | 0.5048 | 0.8795 | 1 | |
| c2: neg | -0.0052 | 0.4953 | 0.8891 | 1 | |
| c3: RS-pos | 2.5282 | 0.0074\*\* | 0.0356\* | 0.328 | |
| c4: RS-neg | -2.5282 | 0.9927 | 1 | 1 | |
| c5: RS\_square-pos | 0.8768 | 0.192 | 0.5382 | 1 | |
| c6: RS\_square-neg | -0.8768 | 0.8081 | 0.9943 | 1 | |
| c7: SU-pos | -0.5602 | 0.7031 | 0.979 | 1 | |
| c8: SU-neg | 0.5602 | 0.297 | 0.7057 | 1 | |
| c9: SU\*RS-pos | 2.1603 | 0.019\* | 0.0766 | 0.5957 | |
| c10: SU\*RS-neg | -2.1603 | 0.9811 | 1 | 1 | |
| c11: SU\*RS\_sq-pos | 0.8184 | 0.2105 | 0.57 | 1 | |
| c12: SU\*RS\_sq-neg | -0.8184 | 0.7896 | 0.9929 | 1 | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| PPI: VS-vmPFC, Domain (corrcon, ise, ee) | | | | |
| contrast | *tstat* | *uncp* | *fwep* | *cfwep* | |
| c1: pos | 1.8072 | 0.0389\* | 0.1716 | 0.8825 | |
| c2: neg | -1.8072 | 0.9612 | 1 | 1 | |
| c3: RS-pos | 0.6809 | 0.2502 | 0.7327 | 1 | |
| c4: RS-neg | -0.6809 | 0.7499 | 0.9968 | 1 | |
| c5: RS\_square-pos | -1.7859 | 0.9597 | 1 | 1 | |
| c6: RS\_square-neg | 1.7859 | 0.0404\* | 0.1827 | 0.8948 | |
| c7: SU-pos | 2.2154 | 0.0153\* | 0.0778 | 0.6028 | |
| c8: SU-neg | -2.2154 | 0.9848 | 1 | 1 | |
| c9: SU\*RS-pos | 1.463 | 0.0758 | 0.3075 | 0.9871 | |
| c10: SU\*RS-neg | -1.463 | 0.9243 | 1 | 1 | |
| c11: SU\*RS\_sq-pos | -0.4081 | 0.6579 | 0.991 | 1 | |
| c12: SU\*RS\_sq-neg | 0.4081 | 0.3422 | 0.8391 | 1 | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| PPI: VS-vmPFC, Outcome (corrcon, ise, ee) | | | | |
| contrast | *tstat* | *uncp* | *fwep* | *cfwep* | |
| c1: pos | -0.1127 | 0.5431 | 0.8886 | 1 | |
| c2: neg | 0.1127 | 0.457 | 0.8338 | 1 | |
| c3: RS-pos | 0.4358 | 0.3319 | 0.7108 | 1 | |
| c4: RS-neg | -0.4358 | 0.6682 | 0.9587 | 1 | |
| c5: RS\_square-pos | 0.9296 | 0.1818 | 0.4796 | 0.9999 | |
| c6: RS\_square-neg | -0.9296 | 0.8183 | 0.9895 | 1 | |
| c7: SU-pos | -0.0513 | 0.5201 | 0.8856 | 1 | |
| c8: SU-neg | 0.0513 | 0.48 | 0.8556 | 1 | |
| c9: SU\*RS-pos | -2.2799 | 0.9847 | 1 | 1 | |
| c10: SU\*RS-neg | 2.2799 | 0.0154\* | 0.0661 | 0.4869 | |
| c11: SU\*RS\_sq-pos | 0.0171 | 0.4936 | 0.8672 | 1 | |
| c12: SU\*RS\_sq-neg | -0.0171 | 0.5065 | 0.8705 | 1 | |



**Fig. X. Reward sensitivity is associated with increased VS-vmPFC connectivity for social rewards.** (A) Ventral striatum seed region and vmPFC target region. (B) As reward sensitivity increases, connectivity between the ventral striatum and the ventromedial prefrontal cortex (vmPFC) during receipt of social rewards in enhanced.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| PPI: VS-rFFA, Domain \* Outcome (corrcon, ise, ee) | | | | |
| contrast | *tstat* | *uncp* | *fwep* | *cfwep* |
| c1: pos | 0.3459 | 0.3632 | 0.7712 | 1 |
| c2: neg | -0.3459 | 0.6369 | 0.9544 | 1 |
| c3: RS-pos | -0.5754 | 0.722 | 0.9821 | 1 |
| c4: RS-neg | 0.5754 | 0.2781 | 0.6783 | 1 |
| c5: RS\_square-pos | 0.1307 | 0.4494 | 0.8621 | 1 |
| c6: RS\_square-neg | -0.1307 | 0.5507 | 0.9227 | 1 |
| c7: SU-pos | 1.8071 | 0.0433\* | 0.1579 | 0.8414 |
| c8: SU-neg | -1.8071 | 0.9568 | 0.9999 | 1 |
| c9: SU\*RS-pos | -0.4384 | 0.6748 | 0.9701 | 1 |
| c10: SU\*RS-neg | 0.4384 | 0.3253 | 0.754 | 1 |
| c11: SU\*RS\_sq-pos | 0.7678 | 0.2246 | 0.5932 | 1 |
| c12: SU\*RS\_sq-neg | -0.7678 | 0.7755 | 0.9906 | 1 |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| PPI: VS-rFFA, Domain (corrcon, ise, ee) | | | | | |
| contrast | *tstat* | *uncp* | *fwep* | *cfwep* |
| c1: pos | 1.3224 | 0.0941 | 0.3655 | 0.9965 |
| c2: neg | -1.3224 | 0.906 | 1 | 1 |
| c3: RS-pos | 0.9606 | 0.1707 | 0.5831 | 1 |
| c4: RS-neg | -0.9606 | 0.8294 | 0.9991 | 1 |
| c5: RS\_square-pos | -0.198 | 0.5758 | 0.9689 | 1 |
| c6: RS\_square-neg | 0.198 | 0.4243 | 0.9001 | 1 |
| c7: SU-pos | 1.084 | 0.1357 | 0.5028 | 1 |
| c8: SU-neg | -1.084 | 0.8644 | 0.9996 | 1 |
| c9: SU\*RS-pos | 0.142 | 0.4453 | 0.9213 | 1 |
| c10: SU\*RS-neg | -0.142 | 0.5548 | 0.9675 | 1 |
| c11: SU\*RS\_sq-pos | -1.6758 | 0.9485 | 1 | 1 |
| c12: SU\*RS\_sq-neg | 1.6758 | 0.0516 | 0.2209 | 0.9408 |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| PPI: VS-rFFA, Outcome (corrcon, ise, ee) | | | | | |
| contrast | *tstat* | *uncp* | *fwep* | *cfwep* |
| c1: pos | 1.8298 | 0.0367 | 0.1445 | 0.8125 |
| c2: neg | -1.8298 | 0.9634 | 0.9998 | 1 |
| c3: RS-pos | -0.7284 | 0.7657 | 0.9823 | 1 |
| c4: RS-neg | 0.7284 | 0.2344 | 0.5852 | 1 |
| c5: RS\_square-pos | 0.2641 | 0.3874 | 0.7777 | 1 |
| c6: RS\_square-neg | -0.2641 | 0.6127 | 0.9289 | 1 |
| c7: SU-pos | -0.1512 | 0.5637 | 0.9099 | 1 |
| c8: SU-neg | 0.1512 | 0.4364 | 0.8257 | 1 |
| c9: SU\*RS-pos | 0.8506 | 0.1965 | 0.5292 | 1 |
| c10: SU\*RS-neg | -0.8506 | 0.8036 | 0.9879 | 1 |
| c11: SU\*RS\_sq-pos | -0.6554 | 0.7349 | 0.9767 | 1 |
| c12: SU\*RS\_sq-neg | 0.6554 | 0.2652 | 0.6184 | 1 |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| PPI: VS-bAMY, Domain \* Outcome (corrcon, ise, ee) | | | | | |
| contrast | *tstat* | *uncp* | *fwep* | *cfwep* |
| c1: pos | 0.6938 | 0.2548 | 0.6234 | 1 |
| c2: neg | -0.6938 | 0.7453 | 0.9856 | 1 |
| c3: RS-pos | -0.5562 | 0.7133 | 0.9809 | 1 |
| c4: RS-neg | 0.5562 | 0.2868 | 0.6887 | 1 |
| c5: RS\_square-pos | 0.2745 | 0.3883 | 0.8115 | 1 |
| c6: RS\_square-neg | -0.2745 | 0.6118 | 0.9467 | 1 |
| c7: SU-pos | -0.2076 | 0.5789 | 0.9405 | 1 |
| c8: SU-neg | 0.2076 | 0.4212 | 0.8458 | 1 |
| c9: SU\*RS-pos | -0.6639 | 0.7535 | 0.9868 | 1 |
| c10: SU\*RS-neg | 0.6639 | 0.2466 | 0.6519 | 1 |
| c11: SU\*RS\_sq-pos | 1.4264 | 0.082 | 0.2825 | 0.9813 |
| c12: SU\*RS\_sq-neg | -1.4264 | 0.9181 | 0.9993 | 1 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| PPI: VS-bAMY, Domain (corrcon, ise, ee) | | | | |
| contrast | *tstat* | *uncp* | *fwep* | *cfwep* |
| c1: pos | 1.721 | 0.0475\* | 0.1996 | 0.9221 |
| c2: neg | -1.721 | 0.9526 | 1 | 1 |
| c3: RS-pos | -0.6229 | 0.7337 | 0.9949 | 1 |
| c4: RS-neg | 0.6229 | 0.2664 | 0.7473 | 1 |
| c5: RS\_square-pos | 0.192 | 0.428 | 0.9024 | 1 |
| c6: RS\_square-neg | -0.192 | 0.5721 | 0.9717 | 1 |
| c7: SU-pos | 1.6774 | 0.0529 | 0.22 | 0.9404 |
| c8: SU-neg | -1.6774 | 0.9472 | 1 | 1 |
| c9: SU\*RS-pos | -0.9678 | 0.8381 | 0.9994 | 1 |
| c10: SU\*RS-neg | 0.9678 | 0.162 | 0.5616 | 1 |
| c11: SU\*RS\_sq-pos | 0.4455 | 0.3314 | 0.8323 | 1 |
| c12: SU\*RS\_sq-neg | -0.4455 | 0.6687 | 0.9906 | 1 |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| PPI: VS-bAMY, Outcome (corrcon, ise, ee) | | | | | |
| contrast | *tstat* | *uncp* | *fwep* | *cfwep* |
| c1: pos | 1.1379 | 0.134 | 0.3814 | 0.9977 |
| c2: neg | -1.1379 | 0.8661 | 0.9956 | 1 |
| c3: RS-pos | -0.8713 | 0.8057 | 0.9889 | 1 |
| c4: RS-neg | 0.8713 | 0.1944 | 0.5153 | 1 |
| c5: RS\_square-pos | 0.4199 | 0.3371 | 0.717 | 1 |
| c6: RS\_square-neg | -0.4199 | 0.663 | 0.9525 | 1 |
| c7: SU-pos | -0.2629 | 0.6103 | 0.9312 | 1 |
| c8: SU-neg | 0.2629 | 0.3898 | 0.7855 | 1 |
| c9: SU\*RS-pos | -0.062 | 0.5208 | 0.8901 | 1 |
| c10: SU\*RS-neg | 0.062 | 0.4793 | 0.8524 | 1 |
| c11: SU\*RS\_sq-pos | -0.0327 | 0.5131 | 0.8822 | 1 |
| c12: SU\*RS\_sq-neg | 0.0327 | 0.487 | 0.8557 | 1 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| PPI: VS-PCC, Domain \* Outcome (corrcon, ise, ee) | | | | |
| contrast | *tstat* | *uncp* | *fwep* | *cfwep* |
| c1: pos | 0.0164 | 0.493 | 0.8755 | 1 |
| c2: neg | -0.0164 | 0.5071 | 0.8922 | 1 |
| c3: RS-pos | 0.3668 | 0.3578 | 0.7797 | 1 |
| c4: RS-neg | -0.3668 | 0.6423 | 0.96 | 1 |
| c5: RS\_square-pos | 0.4864 | 0.325 | 0.7245 | 1 |
| c6: RS\_square-neg | -0.4864 | 0.6751 | 0.9736 | 1 |
| c7: SU-pos | -1.6415 | 0.9449 | 0.9999 | 1 |
| c8: SU-neg | 1.6415 | 0.0552 | 0.203 | 0.9249 |
| c9: SU\*RS-pos | 0.198 | 0.4186 | 0.8346 | 1 |
| c10: SU\*RS-neg | -0.198 | 0.5815 | 0.9383 | 1 |
| c11: SU\*RS\_sq-pos | 0.2828 | 0.3907 | 0.8075 | 1 |
| c12: SU\*RS\_sq-neg | -0.2828 | 0.6094 | 0.9465 | 1 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| PPI: VS-PCC, Domain (corrcon, ise, ee) | | | | |
| contrast | *tstat* | *uncp* | *fwep* | *cfwep* | |
| c1: pos | 0.6937 | 0.2454 | 0.6878 | 1 | |
| c2: neg | -0.6937 | 0.7547 | 0.9958 | 1 | |
| c3: RS-pos | -0.0591 | 0.527 | 0.9578 | 1 | |
| c4: RS-neg | 0.0591 | 0.4731 | 0.9384 | 1 | |
| c5: RS\_square-pos | -1.0709 | 0.8592 | 0.9997 | 1 | |
| c6: RS\_square-neg | 1.0709 | 0.1409 | 0.5079 | 1 | |
| c7: SU-pos | 0.2573 | 0.402 | 0.874 | 1 | |
| c8: SU-neg | -0.2573 | 0.5981 | 0.9739 | 1 | |
| c9: SU\*RS-pos | -0.1943 | 0.5765 | 0.9757 | 1 | |
| c10: SU\*RS-neg | 0.1943 | 0.4236 | 0.9059 | 1 | |
| c11: SU\*RS\_sq-pos | -0.366 | 0.6462 | 0.989 | 1 | |
| c12: SU\*RS\_sq-neg | 0.366 | 0.3539 | 0.8534 | 1 | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| PPI: VS-PCC, Outcome (corrcon, ise, ee) | | | | |
| contrast | *tstat* | *uncp* | *fwep* | *cfwep* |
| c1: pos | 0.7437 | 0.2276 | 0.5754 | 1 |
| c2: neg | -0.7437 | 0.7725 | 0.9804 | 1 |
| c3: RS-pos | 1.2115 | 0.1138 | 0.3471 | 0.995 |
| c4: RS-neg | -1.2115 | 0.8863 | 0.9971 | 1 |
| c5: RS\_square-pos | 0.8559 | 0.1952 | 0.5139 | 1 |
| c6: RS\_square-neg | -0.8559 | 0.8049 | 0.9871 | 1 |
| c7: SU-pos | 0.2284 | 0.4016 | 0.7985 | 1 |
| c8: SU-neg | -0.2284 | 0.5985 | 0.923 | 1 |
| c9: SU\*RS-pos | -0.8773 | 0.8004 | 0.9902 | 1 |
| c10: SU\*RS-neg | 0.8773 | 0.1997 | 0.5114 | 1 |
| c11: SU\*RS\_sq-pos | -1.1147 | 0.8648 | 0.996 | 1 |
| c12: SU\*RS\_sq-neg | 1.1147 | 0.1353 | 0.391 | 0.9982 |