Table 3

Direct Effects of Baselined Physiological Arousal on Criterion Measures, by Sensor Class

Criterion Measures	Arousal Fused (ECG)	Arousal Fused (PPG)	Arousal Fused (GSR)	Arousal Fused (EMG Brow)	Arousal Fused (EMG Cheek)	Arousal Fused (Pupil)
Enjoyment (Post)	-.11	-.11	.02	-.09	.11	.01
GEQ Engagement (Post)	.18	.06	.15	-.31	.31	.12
GEQ Absorb (Post)[1]	.25	.11	.11	-.39*	.28	.05
GEQ Flow (Post)[1]	.16	-.10	.08	-.11	.20	.10
GEQ Presence (Post)[1]	.07	.22	.22	-.39*	.34*	.18
GEQ Immersion (Post)[1]	.03	.00	.13	-.09	.25	.04
GEQ Engagement (Intake)	.05	.24	.06	-.46**	.17	.21
GEQ Absorb (Intake)[2]	.08	.22	.10	-.53**	.10	.20
GEQ Flow (Intake)[2]	-.07	.16	.04	-.25	.06	.09
GEQ Presence (Intake)[2]	.14	.27	-.05	-.43*	.24	.27
GEQ Immersion (Intake)[2]	.01	-.03	.07	-.15	.30	.13
NEO Neuroticism (Intake)	-.09	-.12	-.13	.26	-.19	.08
NEO Extraversion (Intake)	.18	-.29	-.15	-.06	.03	.28
NEO Openness (Intake)	-.02	-.17	-.08	-.56**	-.08	-.12
NEO Agreeableness (Intake)	-.13	-.09	.41*	-.05	-.21	.12
NEO Conscientious (Intake)	-.13	-.09	.41*	-.05	-.21	.12
Beh. Inhibition (Intake)	-.01	.13	.11	-.24	-.05	-.02
Beh. Activation (Intake)	.16	-.04	-.12	-.13	.02	.17
Positive Affect (Post)	.06	-.10	-.01	.06	.42*	.11
Negative Affect (Post)	.18	.07	.06	-.16	.11	.15

Note: “All” events is the union of goals and feedback events. Null events are non-events in the time-series, randomly sampled. Superscript on criterion measures indicates that the measures are subscales of either post-game or intake GEQ engagement measures. “Post” and “Intake” reflects source of measure. * = $p < .05$; ** = $p < .01$; *** = $p < .001$; † = $p \leq .08$ (marginal).

Table 4

Direct Effects of Baselined Physiological Arousal on Criterion Measures, by Sensor Class

Criterion Measures	Arousal All Events Fused (ECG)	Arousal All Events Fused (PPG)	Arousal All Events Fused (GSR)	Arousal All Events Fused (EMG Brow)	Arousal All Events Fused (EMG Cheek)	Arousal All Events Fused (Pupil)
Enjoyment (Post)	-.10	-.27	-.01	-.08	.09	.01
GEQ Engagement (Post)	.12	.10	.11	-.34*	.35*	.15
GEQ Absorb (Post)[1]	.17	.13	.05	-.43**	.31†	.10
GEQ Flow (Post)[1]	.13	-.05	.04	-.14	.23	.13
GEQ Presence (Post)[1]	.01	.23	.17	-.38*	.37*	.19
GEQ Immersion (Post)[1]	.03	.02	.16	-.13	.29	.07
GEQ Engagement (Intake)	.04	.20	-.03	-.43**	.20	.28
GEQ Absorb (Intake)[2]	.04	.12	-.01	-.47**	.10	.24
GEQ Flow (Intake)[2]	-.08	.14	-.02	-.21	.11	.17
GEQ Presence (Intake)[2]	.16	.24	-.12	-.42*	.26	.32
GEQ Immersion (Intake)[2]	.03	.11	.13	-.18	.35*	.15
NEO Neuroticism (Intake)	-.04	-.07	-.11	.25	-.11	.04
NEO Extraversion (Intake)	.20	-.24	-.19	-.01	-.01	.23
NEO Openness (Intake)	-.03	-.31	-.15	-.54**	-.08	-.10
NEO Agreeableness (Intake)	-.13	-.08	.42*	-.02	-.18	.10
NEO Conscientious (Intake)	-.07	.01	.01	-.09	-.06	-.11
Beh. Inhibition (Intake)	-.02	.03	.01	-.25	-.06	-.05
Beh. Activation (Intake)	.20	-.05	-.15	-.09	.03	.12
Positive Affect (Post)	.07	-.08	-.02	.04	.36*	.17
Negative Affect (Post)	.12	.12	-.05	-.14	.13	.18

Note: "All" events is the union of goals and feedback events. Null events are non-events in the time-series, randomly sampled. Superscript on criterion measures indicates that the measures are subscales of either post-game or intake GEQ engagement measures. "Post" and "Intake" reflects source of measure. * = $p < .05$; ** = $p < .01$; *** = $p < .001$; † = $p \leq .08$ (marginal).

Table 5

Direct Effects of Baselined Physiological Arousal on Criterion Measures, by Sensor Class

Criterion Measures	Arousal FDBK Events Fused (ECG)	Arousal FDBK Events Fused (PPG)	Arousal FDBK Events Fused (GSR)	Arousal FDBK Events Fused (EMG Brow)	Arousal FDBK Events Fused (EMG Cheek)	Arousal FDBK Events Fused (Pupil)
Enjoyment (Post)	-.08	-.21	-.08	-.04	.11	.01
GEQ Engagement (Post)	.15	.09	.14	-.36*	.35*	.22
GEQ Absorb (Post)[1]	.20	.13	.14	-.46**	.32†	.15
GEQ Flow (Post)[1]	.13	-.08	.06	-.15	.22	.20
GEQ Presence (Post)[1]	.05	.25	.18	-.41*	.39*	.26
GEQ Immersion (Post)[1]	.05	.02	.11	-.11	.28	.12
GEQ Engagement (Intake)	.04	.24	.09	-.49**	.21	.26
GEQ Absorb (Intake)[2]	.03	.16	.11	-.54**	.13	.21
GEQ Flow (Intake)[2]	-.07	.15	.08	-.25	.09	.15
GEQ Presence (Intake)[2]	.15	.30	-.07	-.47**	.28	.31
GEQ Immersion (Intake)[2]	.06	.11	.16	-.18	.34*	.13
NEO Neuroticism (Intake)	-.02	-.14	-.14	.28	-.13	.06
NEO Extraversion (Intake)	.17	-.26	-.12	-.01	-.05	.23
NEO Openness (Intake)	-.01	-.26	-.04	-.55**	-.05	-.14
NEO Agreeableness (Intake)	-.14	-.13	.49**	-.02	-.16	.09
NEO Conscientious (Intake)	-.05	-.03	.04	-.07	-.07	-.11
Beh. Inhibition (Intake)	-.01	.08	.10	-.26	-.02	-.01
Beh. Activation (Intake)	.20	-.09	-.11	-.09	.01	.14
Positive Affect (Post)	.08	-.06	-.06	.06	.36*	.14
Negative Affect (Post)	.17	.14	.03	-.18	.15	.25

Note: "All" events is the union of goals and feedback events. Null events are non-events in the time-series, randomly sampled. Superscript on criterion measures indicates that the measures are subscales of either post-game or intake GEQ engagement measures. "Post" and "Intake" reflects source of measure. * = $p < .05$; ** = $p < .01$; *** = $p < .001$; † = $p \leq .08$ (marginal).

Table 6

Direct Effects of Baselined Physiological Arousal on Criterion Measures, by Sensor Class

Criterion Measures	Arousal Goal Events Fused (ECG)	Arousal Goal Events Fused (PPG)	Arousal Goal Events Fused (GSR)	Arousal Goal Events Fused (EMG Brow)	Arousal Goal Events Fused (EMG Cheek)	Arousal Goal Events Fused (Pupil)
Enjoyment (Post)	-.10	-.28	.08	-.13	.10	.02
GEQ Engagement (Post)	.15	.14	.08	-.27	.33*	.08
GEQ Absorb (Post)[1]	.16	.22	.00	-.35*	.28	.05
GEQ Flow (Post)[1]	.18	-.01	.04	-.09	.25	.05
GEQ Presence (Post)[1]	.04	.18	.13	-.33†	.34*	.13
GEQ Immersion (Post)[1]	.05	.09	.19	-.13	.31	.02
GEQ Engagement (Intake)	.07	.15	-.09	-.36*	.22	.26
GEQ Absorb (Intake)[2]	.06	.06	-.06	-.41*	.09	.23
GEQ Flow (Intake)[2]	-.06	.10	-.06	-.15	.15	.16
GEQ Presence (Intake)[2]	.19	.15	-.18	-.37*	.27	.30†
GEQ Immersion (Intake)[2]	.04	.24	.09	-.12	.36*	.15
NEO Neuroticism (Intake)	-.07	-.04	-.09	.24	-.12	.04
NEO Extraversion (Intake)	.27	-.23	-.18	.00	.00	.26
NEO Openness (Intake)	-.01	-.28	-.15	-.48**	-.10	-.06
NEO Agreeableness (Intake)	-.09	-.02	.39*	-.05	-.19	.15
NEO Conscientious (Intake)	-.04	.16	.09	-.10	-.02	-.11
Beh. Inhibition (Intake)	-.02	.00	-.06	-.28	-.12	-.04
Beh. Activation (Intake)	.23	-.01	-.13	-.08	.03	.15
Positive Affect (Post)	.05	-.02	.01	.06	.28	.15
Negative Affect (Post)	.07	.05	-.11	-.08	-.01	.16

Note: "All" events is the union of goals and feedback events. Null events are non-events in the time-series, randomly sampled. Superscript on criterion measures indicates that the measures are subscales of either post-game or intake GEQ engagement measures. "Post" and "Intake" reflects source of measure. * = $p < .05$; ** = $p < .01$; *** = $p < .001$; † = $p \leq .08$ (marginal).

Table 7

Direct Effects of Baselined Physiological Arousal on Criterion Measures, by Sensor Class

Criterion Measures	Arousal Null Events Fused (ECG)	Arousal Null Events Fused (PPG)	Arousal Null Events Fused (GSR)	Arousal Null Events Fused (EMG Brow)	Arousal Null Events Fused (EMG Cheek)	Arousal Null Events Fused (Pupil)
Enjoyment (Post)	-.07	.08	.17	-.11	.12	-.03
GEQ Engagement (Post)	.20	-.04	.06	-.29	.27	.08
GEQ Absorb (Post)[1]	.30	-.03	-.01	-.35*	.21	.01
GEQ Flow (Post)[1]	.16	-.15	.03	-.10	.21	.07
GEQ Presence (Post)[1]	.07	.12	.14	-.41*	.30	.15
GEQ Immersion (Post)[1]	.03	-.05	.08	-.07	.21	.00
GEQ Engagement (Intake)	.03	.18	.04	-.42*	.05	.17
GEQ Absorb (Intake)[2]	.09	.24	.17	-.51**	.04	.20
GEQ Flow (Intake)[2]	-.12	.10	-.02	-.24	-.05	.05
GEQ Presence (Intake)[2]	.13	.21	-.03	-.39*	.12	.22
GEQ Immersion (Intake)[2]	-.02	-.24	-.17	-.03	.18	.13
NEO Neuroticism (Intake)	-.17	-.19	-.16	.28	-.24	.13
NEO Extraversion (Intake)	.13	-.07	-.02	-.08	.04	.27
NEO Openness (Intake)	-.05	.01	-.05	-.47**	-.19	-.12
NEO Agreeableness (Intake)	-.12	-.07	.31	-.10	-.23	.11
NEO Conscientious (Intake)	-.13	.18	.03	-.12	-.06	-.11
Beh. Inhibition (Intake)	.02	.16	.17	-.30†	-.06	-.01
Beh. Activation (Intake)	.07	.11	-.02	-.10	-.07	.20
Positive Affect (Post)	.06	-.14	-.05	.13	.39*	.06
Negative Affect (Post)	.17	-.04	.00	-.15	.12	.18

Note: "All" events is the union of goals and feedback events. Null events are non-events in the time-series, randomly sampled. Superscript on criterion measures indicates that the measures are subscales of either post-game or intake GEQ engagement measures. "Post" and "Intake" reflects source of measure. * = $p < .05$; ** = $p < .01$; *** = $p < .001$; † = $p \leq .08$ (marginal).

Table 8

Direct Effects of Physiological Coherence on Criterion Measures, by Sensor Class

Criterion Measures	Coherence All Events Fused (ECG)	Coherence All Events Fused (PPG)	Coherence All Events Fused (GSR)	Coherence All Events Fused (EMG Brow)	Coherence All Events Fused (EMG Cheek)	Coherence All Events Fused (Pupil)
Enjoyment (Post)	-.05	-.16	-.31	-.09	.27	.29
GEQ Engagement (Post)	-.33	.12	-.31	-.32†	.29	.18
GEQ Absorb (Post)[1]	-.38*	.10	-.26	-.30†	.17	.15
GEQ Flow (Post)[1]	-.29	.12	-.19	-.32†	.33*	.13
GEQ Presence (Post)[1]	-.22	.11	-.37*	-.17	.14	.15
GEQ Immersion (Post)[1]	-.06	.07	-.25	-.22	.42**	.22
GEQ Engagement (Intake)	-.01	.00	-.28	-.23	.16	.27
GEQ Absorb (Intake)[2]	-.17	.07	-.24	-.15	-.04	.16
GEQ Flow (Intake)[2]	.08	-.05	-.36*	-.12	.22	.28
GEQ Presence (Intake)[2]	-.17	.07	-.24	-.15	-.04	.16
GEQ Immersion (Intake)[2]	.05	-.03	-.13	-.23	.13	.28
NEO Neuroticism (Intake)	.13	.07	-.05	-.46**	.46**	-.02
NEO Extraversion (Intake)	.25	.18	.00	-.01	.21	-.11
NEO Openness (Intake)	.07	.29	-.10	.18	.35*	.01
NEO Agreeableness (Intake)	-.01	-.07	-.16	-.24	-.18	.00
NEO Conscientious (Intake)	.08	-.21	-.12	.13	.07	-.14
Beh. Inhibition (Intake)	.00	.20	-.11	.00	-.17	-.01
Beh. Activation (Intake)	.27	.21	-.05	.22	.03	-.13
Positive Affect (Post)	.05	-.08	-.11	-.14	.33*	.28
Negative Affect (Post)	-.16	.29	-.01	.15	.08	.09

Note: "All" events is the union of goals and feedback events. Null events are non-events in the time-series, randomly sampled. Superscript on criterion measures indicates that the measures are subscales of either post-game or intake GEQ engagement measures. "Post" and "Intake" reflects source of measure. * = $p < .05$; ** = $p < .01$; *** = $p < .001$; † = $p \leq .08$ (marginal).

Table 9

Direct Effects of Physiological Coherence on Criterion Measures, by Sensor Class

Criterion Measures	Coherence FDBK Events Fused (ECG)	Coherence FDBK Events Fused (PPG)	Coherence FDBK Events Fused (GSR)	Coherence FDBK Events Fused (EMG Brow)	Coherence FDBK Events Fused (EMG Cheek)	Coherence FDBK Events Fused (Pupil)
Enjoyment (Post)	.04	-.20	-.16	-.08	.30	.12
GEQ Engagement (Post)	-.16	.05	-.11	-.35*	.48**	.38*
GEQ Absorb (Post)[1]	-.17	.06	-.09	-.35*	.42**	.32†
GEQ Flow (Post)[1]	-.20	-.01	-.05	-.33*	.34*	.28
GEQ Presence (Post)[1]	-.05	.11	-.12	-.20	.46**	.39*
GEQ Immersion (Post)[1]	.02	-.03	-.17	-.18	.41*	.29
GEQ Engagement (Intake)	-.04	-.03	-.12	-.38*	.27	.27
GEQ Absorb (Intake)[2]	-.18	.09	-.06	-.36*	.18	.13
GEQ Flow (Intake)[2]	.08	-.09	-.14	-.15	.15	.29
GEQ Presence (Intake)[2]	-.05	-.09	-.12	-.38*	.33*	.30†
GEQ Immersion (Intake)[2]	.18	.08	.01	-.41*	.31	.00
NEO Neuroticism (Intake)	.27	.11	.12	.17	-.15	-.11
NEO Extraversion (Intake)	-.09	.17	.10	.23	.10	.00
NEO Openness (Intake)	.09	.00	.07	-.16	.09	-.13
NEO Agreeableness (Intake)	-.01	.10	.02	.19	.13	-.07
NEO Conscientious (Intake)	.14	-.20	.00	.17	-.05	-.07
Beh. Inhibition (Intake)	.13	.04	-.08	.04	.06	.00
Beh. Activation (Intake)	.14	.19	.15	.25	-.22	-.11
Positive Affect (Post)	.02	-.13	-.08	-.18	.12	.16
Negative Affect (Post)	.06	.39*	.17	.13	.13	.34*

Note: “All” events is the union of goals and feedback events. Null events are non-events in the time-series, randomly sampled. Superscript on criterion measures indicates that the measures are subscales of either post-game or intake GEQ engagement measures. “Post” and “Intake” reflects source of measure. * = $p < .05$; ** = $p < .01$; *** = $p < .001$; † = $p \leq .08$ (marginal).

Table 10

Direct Effects of Physiological Coherence on Criterion Measures, by Sensor Class

Criterion Measures	Coherence Goal Events Fused (ECG)	Coherence Goal Events Fused (PPG)	Coherence Goal Events Fused (GSR)	Coherence Goal Events Fused (EMG Brow)	Coherence Goal Events Fused (EMG Cheek)	Coherence Goal Events Fused (Pupil)
Enjoyment (Post)	-.12	.08	-.25	-.33*	.14	.21
GEQ Engagement (Post)	-.17	.00	-.34*	-.02	.11	-.09
GEQ Absorb (Post)[1]	-.36*	-.10	-.25	.08	-.01	-.04
GEQ Flow (Post)[1]	-.01	.08	-.29	-.06	.19	-.07
GEQ Presence (Post)[1]	-.14	-.04	-.37*	.01	.00	-.14
GEQ Immersion (Post)[1]	-.02	.07	-.15	-.21	.26	-.06
GEQ Engagement (Intake)	.07	-.29	-.36*	.05	.18	.11
GEQ Absorb (Intake)[2]	-.06	-.09	-.36*	.12	-.04	.06
GEQ Flow (Intake)[2]	.08	-.34*	-.41*	.06	.29	.12
GEQ Presence (Intake)[2]	.17	-.30	-.15	.00	.10	.13
GEQ Immersion (Intake)[2]	.11	-.09	-.10	-.12	.44**	-.04
NEO Neuroticism (Intake)	.13	.14	.04	.09	.23	-.09
NEO Extraversion (Intake)	.33*	.21	-.04	.21	.36*	.04
NEO Openness (Intake)	.01	-.02	-.29	.02	-.14	.09
NEO Agreeableness (Intake)	.16	.33*	.08	.14	.06	.11
NEO Conscientious (Intake)	.13	-.07	.05	.05	.16	-.16
Beh. Inhibition (Intake)	.06	.20	-.19	-.03	-.24	.00
Beh. Activation (Intake)	.31	.19	.15	.35*	.19	-.10
Positive Affect (Post)	-.08	-.12	-.04	-.08	.23	.17
Negative Affect (Post)	-.25	-.07	-.02	.28	-.14	-.10

Note: "All" events is the union of goals and feedback events. Null events are non-events in the time-series, randomly sampled. Superscript on criterion measures indicates that the measures are subscales of either post-game or intake GEQ engagement measures. "Post" and "Intake" reflects source of measure. * = $p < .05$; ** = $p < .01$; *** = $p < .001$; † = $p \leq .08$ (marginal).

Table 11

Direct Effects of Physiological Coherence on Criterion Measures, by Sensor Class

Criterion Measures	Coherence Null Events Fused (ECG)	Coherence Null Events Fused (PPG)	Coherence Null Events Fused (GSR)	Coherence Null Events Fused (EMG Brow)	Coherence Null Events Fused (EMG Cheek)	Coherence Null Events Fused (Pupil)
Enjoyment (Post)	.16	.29	.31	.18	.15	-.09
GEQ Engagement (Post)	.10	-.07	-.01	.28	.01	-.04
GEQ Absorb (Post)[1]	.15	-.16	.01	.28	-.09	-.04
GEQ Flow (Post)[1]	.10	-.03	-.09	.18	.07	-.03
GEQ Presence (Post)[1]	-.01	-.02	.04	.20	.01	-.01
GEQ Immersion (Post)[1]	.07	.02	.14	.36*	.11	-.12
GEQ Engagement (Intake)	-.22	-.01	-.06	.27	-.07	-.04
GEQ Absorb (Intake)[2]	-.05	.06	.00	.17	.13	.14
GEQ Flow (Intake)[2]	-.25	.02	-.02	.15	-.10	-.18
GEQ Presence (Intake)[2]	-.25	-.02	-.10	.31	-.19	-.06
GEQ Immersion (Intake)[2]	-.14	-.32	-.19	.29	-.21	.00
NEO Neuroticism (Intake)	-.21	-.12	-.10	-.23	-.11	.16
NEO Extraversion (Intake)	-.22	.03	-.07	-.25	-.07	-.14
NEO Openness (Intake)	-.20	.05	-.06	.02	-.02	-.03
NEO Agreeableness (Intake)	.02	-.12	.15	-.13	-.13	.00
NEO Conscientious (Intake)	-.09	.13	.01	.04	.00	-.06
Beh. Inhibition (Intake)	.08	.03	.22	-.26	-.11	.03
Beh. Activation (Intake)	-.44**	.00	-.14	-.20	-.10	.01
Positive Affect (Post)	-.03	.03	.05	.34*	.00	-.19
Negative Affect (Post)	.00	-.11	.03	.17	.05	.05

Note: "All" events is the union of goals and feedback events. Null events are non-events in the time-series, randomly sampled. Superscript on criterion measures indicates that the measures are subscales of either post-game or intake GEQ engagement measures. "Post" and "Intake" reflects source of measure. * = $p < .05$; ** = $p < .01$; *** = $p < .001$; † = $p \leq .08$ (marginal).

Table 6

Direct Effects of Physiological Coherence with Different Events on Criterion Measures

Criterion Measures	Coherence (All)	Coherence (Feedback)	Coherence (Goals)	Coherence (Null)
Enjoyment (Post)	.38*	.19	.42*	-.23
GEQ Engagement (Post)	.60***	.53**	.28	-.08
GEQ Absorb (Post)[1]	.50**	.49**	.14	-.18
GEQ Flow (Post)[1]	.52**	.39*	.32†	.05
GEQ Presence (Post)[1]	.50**	.49**	.21	-.08
GEQ Immersion (Post)[1]	.54**	.40*	.31	-.19
GEQ Engagement (Intake)	.40*	.37*	.25	.02
GEQ Absorb (Intake)[2]	.28	.34*	.16	.06
GEQ Flow (Intake)[2]	.42*	.20	.32†	-.01
GEQ Presence (Intake)[2]	.27	.38*	.07	.01
GEQ Immersion (Intake)[2]	.43**	.28	.30†	-.01
NEO Neuroticism (Intake)	.11	-.23	.08	.11
NEO Extraversion (Intake)	.27	.01	.19	.12
NEO Openness (Intake)	.07	.01	.11	.10
NEO Agreeableness (Intake)	.08	.03	.04	-.22
NEO Conscientious (Intake)	-.04	-.21	-.03	.04
Beh. Inhibition (Intake)	.06	.06	.05	-.21
Beh. Activation (Intake)	-.01	-.24	-.10	.22
Positive Affect (Post)	.31†	.13	.19	-.12
Negative Affect (Post)	.14	.15	-.16	-.08

Note: “All” events is the union of goals and feedback events. Null events are non-events in the time-series, randomly sampled. Superscript on criterion measures indicates that the measures are subscales of either post-game or intake GEQ engagement measures. “Post” and “Intake” reflects source of measure. * = $p < .05$; ** = $p < .01$; *** = $p < .001$; † = $p \leq .08$ (marginal).

Table 7

Direct Effects of Baselined Physiological Arousal on Criterion Measures

Criterion Measures	Aggr. Arousal	Event Related (All)	Event Related Feedback)	Event Related (Goals)	Event Related (Null)
Enjoyment (Post)	-.01	-.07	-.07	-.03	.07
GEQ Engagement (Post)	.38*	.33*	.41*	.31†	.30†
GEQ Absorb (Post)[1]	.36*	.30	.41*	.27	.30†
GEQ Flow (Post)[1]	.23	.21	.24	.22	.20
GEQ Presence (Post)[1]	.44**	.38*	.47**	.33†	.31†
GEQ Immersion (Post)[1]	.22	.24	.26	.28	.13
GEQ Engagement (Intake)	.29	.25	.33†	.23	.15
GEQ Absorb (Intake)[2]	.27	.17	.26	.15	.26
GEQ Flow (Intake)[2]	.09	.10	.15	.11	-.07
GEQ Presence (Intake)[2]	.35*	.31	.37*	.27	.24
GEQ Immersion (Intake)[2]	.24	.31	.35*	.34*	-.02
NEO Neuroticism (Intake)	-.20	-.12	-.15	-.12	-.28
NEO Extraversion (Intake)	.06	.01	.01	.06	.17
NEO Openness (Intake)	-.17	-.21	-.15	-.20	-.15
NEO Agreeableness (Intake)	.04	.05	.07	.09	-.05
NEO Conscientious (Intake)	-.09	-.09	-.09	.02	-.10
Beh. Inhibition (Intake)	.05	-.03	.06	-.10	.10
Beh. Activation (Intake)	.09	.06	.07	.09	.10
Positive Affect (Post)	.26	.22	.23	.20	.17
Negative Affect (Post)	.25	.19	.29†	.04	.23

Note: "All" events is the union of goals and feedback events. Null events are non-events in the time-series, randomly sampled. Superscript on criterion measures indicates that the measures are subscales of either post-game or intake GEQ engagement measures. "Post" and "Intake" reflects source of measure. "Aggr." = Aggregate taken from a simple mean across the time-series. * = $p < .05$; ** = $p < .01$; *** = $p < .001$; † = $p \leq .08$ (marginal).

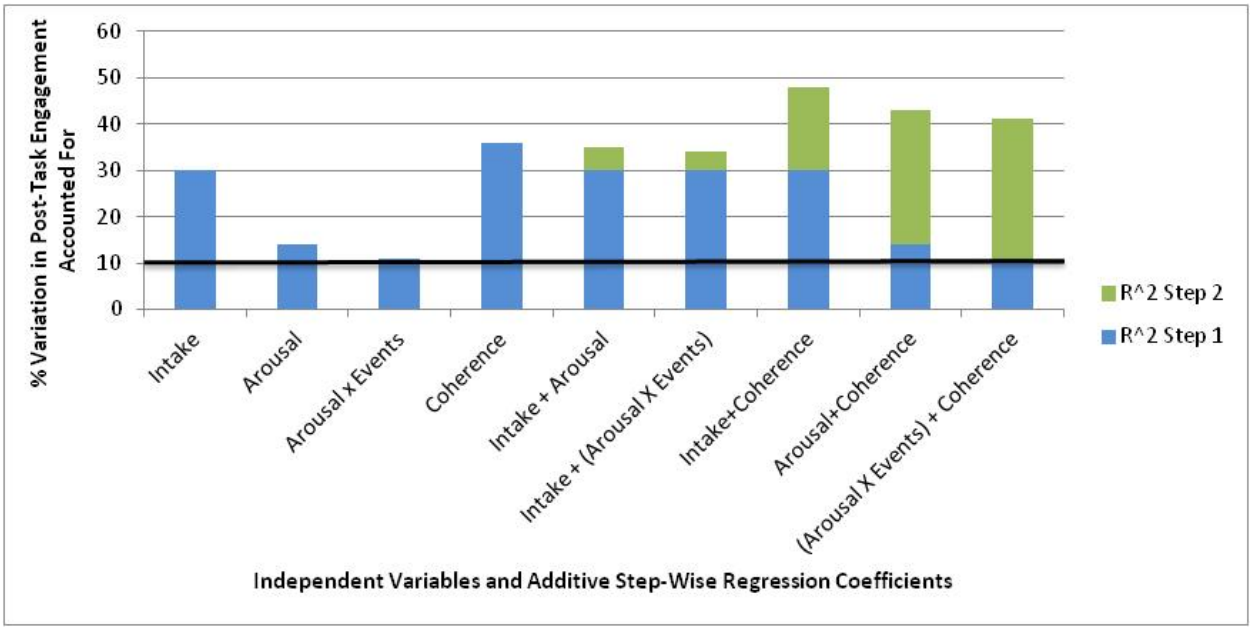

Figure 6. Independence of coherence from other measures in predicting Post-Task GEQ engagement. Shows direct and independent effects of independent variables against the percentage of variance accounted for in Post-Task GEQ scores (dependent variable). Black line across bars indicates approximation of significance threshold ($R^2 = 10\%$). The left-most four blue bars show the direct effect of independent variables predicting the dependent variable. The stacked blue-green bars indicate the independent effects of each independent variable added in sequence to step-wise regression models. The blue component indicates the independent effect of the first independent variable (labeled to the left of "+" sign) added to the step-wise model in blue, while the green component indicates the second independent variable (labeled to the right of "+" sign) added to the step-wise model. The cumulative bar height indicates the total amount of variance accounted for in the dependent variable by the entire regression model. "Intake" denotes GEQ engagement scores taken from the intake questionnaire.