Multi-level Models

RQ1: Multilevel pain intensity model including catastrophizing:

Daily pain intensity = β_{00} + β_{01}(Nearby Nature) + β_{02}(*Resilience*) + β_{03}(*Neuroticism*) + β_{04}(*Gender*) + β_{05}(*Age*) + β_{06}(*Income*) + β_{10}(Catastrophizing) + β_{11}(Nearby Nature x Catastrophizing) + β_{12}(*Resilience* x Catastrophizing) + β_{13}(*Neuroticism* x Catastrophizing) + β_{14}(*Gender* x Catastrophizing) + β_{15}(*Age* x Catastrophizing) + β_{16}(*Income* x Catastrophizing) + β_{20}(Time in nature) + β_{21}(Nearby Nature x Time in nature) + β_{22}(*Resilience* x Time in nature) + β_{23}(*Neuroticism* x Time in nature) + β_{24}(*Gender* x Time in nature) + β_{25}(*Age* x Time in nature) + β_{26}(*Income* x Time in nature) + r_0 + r_1(Catastrophizing) + r_2(Time in nature) + e

RQ2: Multilevel pain intensity model including rumination, magnification, and helplessness subscales:

Daily pain intensity = β_{00} + β_{01}(Nearby Nature) + β_{02}(*Resilience*) + β_{03}(*Neuroticism*) + β_{04}(*Gender*) + β_{05}(*Age*) + β_{06}(*Income*) + β_{10}(Rumination) + β_{11}(Nearby Nature x Rumination) + β_{12}(*Resilience* x Rumination) + β_{13}(*Neuroticism* x Rumination) + β_{14}(*Gender* x Rumination) + β_{15}(*Age* x Rumination) + β_{16}(*Income* x Rumination) + β_{20}(Helplessness) + β_{21}(Nearby Nature x Helplessness) + β_{22}(*Resilience* x Helplessness) + β_{23}(*Neuroticism* x Helplessness) + β_{24}(*Gender* x Helplessness) + β_{25}(*Age* x Helplessness) + β_{26}(*Income* x Helplessness) + β_{30}(Magnification) + β_{31}(Nearby Nature x Magnification) + β_{32}(*Resilience* x Magnification) + β_{33}(*Neuroticism* x Magnification) + β_{34}(*Gender* x Magnification) + β_{35}(*Age* x Magnification) + β_{36}(*Income* x Magnification) + β_{40}(Time in nature) + β_{41}(Nearby Nature x Time in nature) + β_{42}(*Resilience* x Time in nature) + β_{43}(*Neuroticism* x Time in nature) + β_{44}(*Gender* x Time in nature) + β_{45}(*Age* x Time in nature) + β_{46}(*Income* x Time in nature) + r_0 + r_1(Rumination) + r_2(Helplessness) + r_3(Magnification) + r_4(Time in nature) + e