Supplementary Information

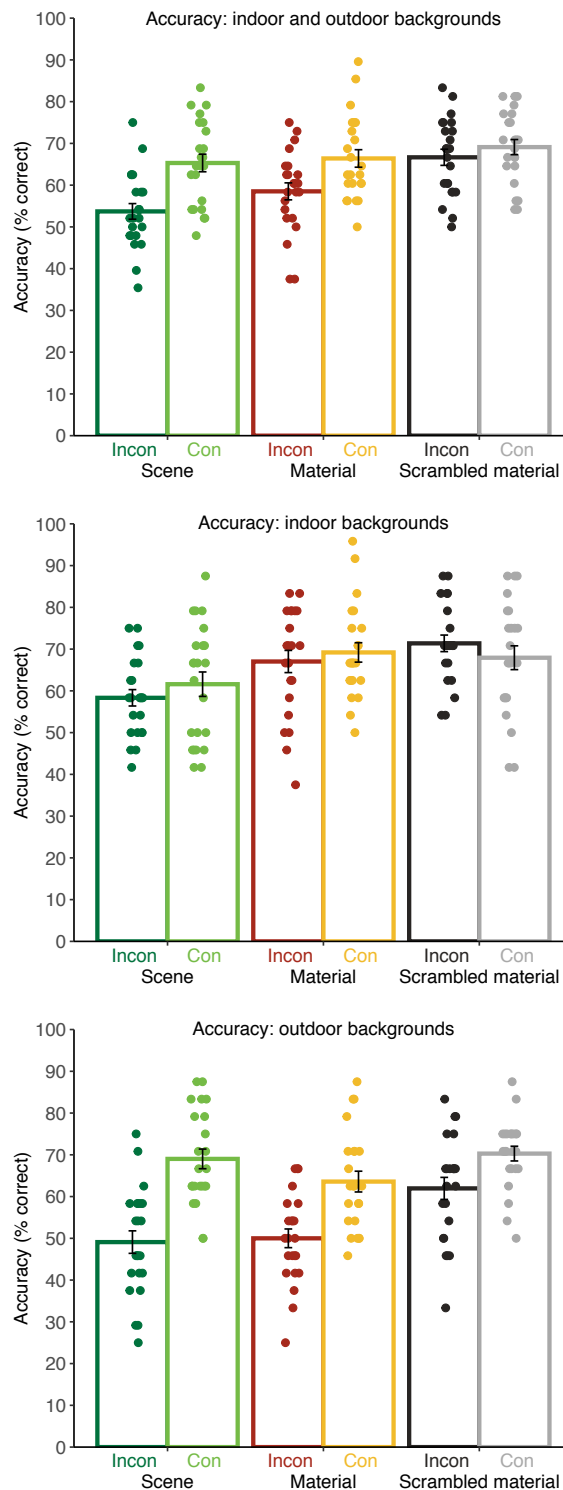## Supplementary S1: Accuracy for indoor and/or outdoor backgrounds

Figure S1. Object naming accuracy for inconsistent (Incon) and consistent (Con) objects on indoor and/or outdoor backgrounds (Scenes, Materials, Scrambled materials). Note that only when considering both indoor and outdoor backgrounds (top panel), the counterbalancing of stimuli was intact (i.e., each indoor and outdoor object was paired with an indoor *and* outdoor background). By contrast, in the case of indoor backgrounds (middle panel), all consistent objects were indoor objects while all inconsistent objects were outdoor objects. In the case of outdoor backgrounds (bottom panel) all consistent objects were outdoor objects while all inconsistent objects were indoor objects.

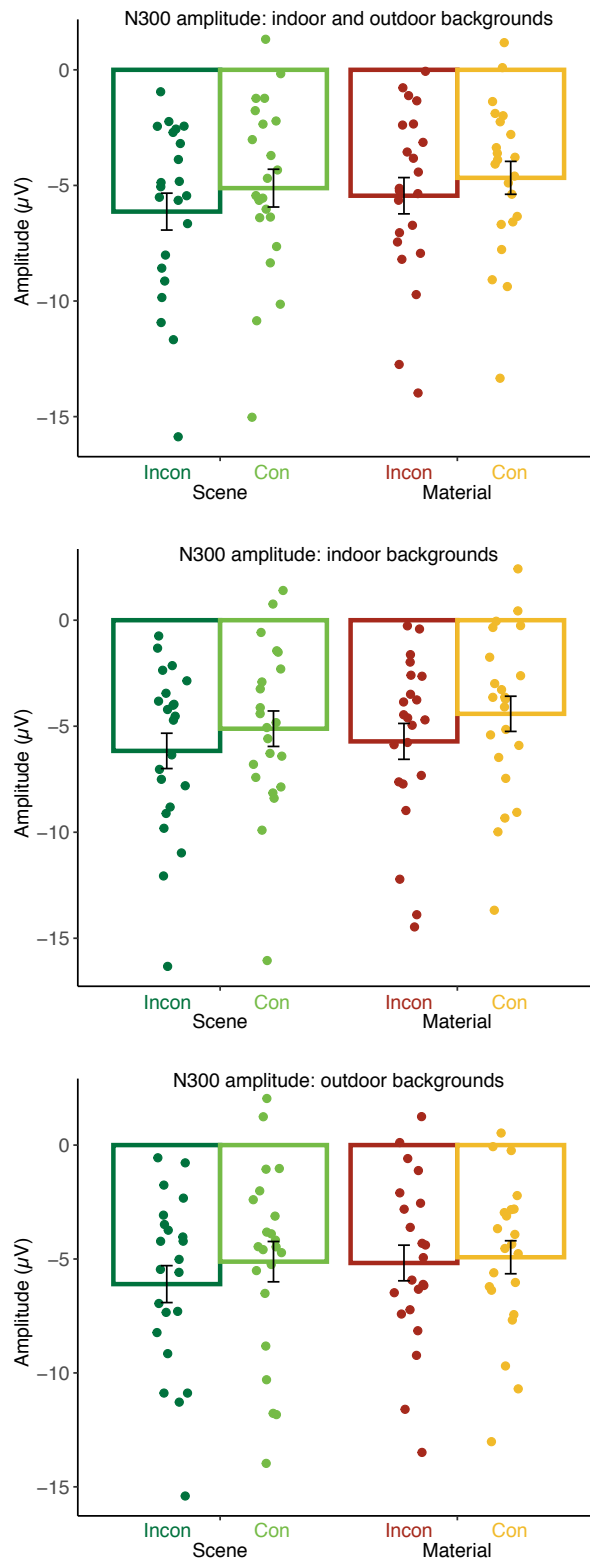# Supplementary S2: N300 amplitude for indoor and/or outdoor backgrounds

Figure S2. N300 amplitude for inconsistent (Incon) and consistent (Con) objects on indoor and/or outdoor backgrounds (Scenes, Materials). Note that only when considering both indoor and outdoor backgrounds (top panel), the counterbalancing of stimuli was intact (i.e., each indoor and outdoor object was paired with an indoor *and* outdoor background). By contrast, in the case of indoor backgrounds (middle panel), all consistent objects were indoor objects while all inconsistent objects were outdoor objects. In the case of outdoor backgrounds (bottom panel) all consistent objects were outdoor objects while all inconsistent objects were indoor objects.

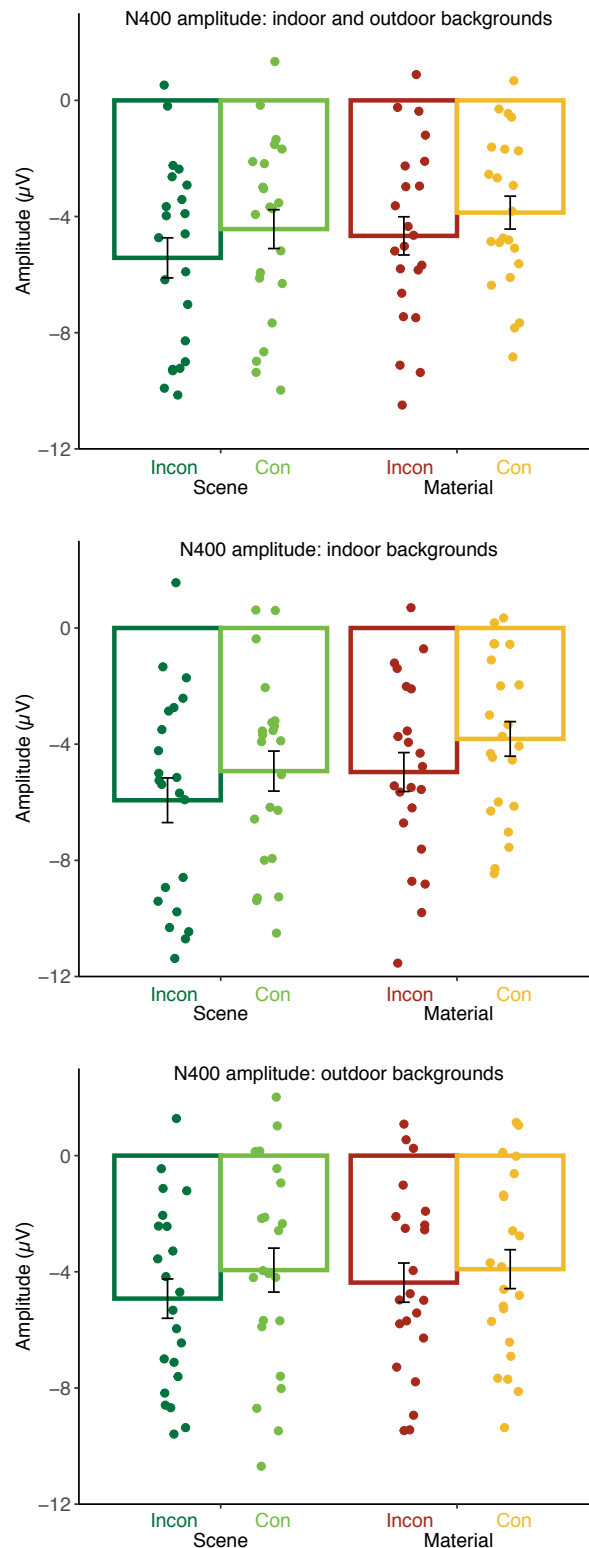**Supplementary S3: N400 amplitude for indoor and/or outdoor backgrounds**

Figure S3. N400 amplitude for inconsistent (Incon) and consistent (Con) objects on indoor and/or outdoor backgrounds (Scenes, Materials). Note that only when considering both indoor and outdoor backgrounds (top panel), the counterbalancing of stimuli was intact (i.e., each indoor and outdoor object was paired with an indoor *and* outdoor background). By contrast, in the case of indoor backgrounds (middle panel), all consistent objects were indoor objects while all inconsistent objects were outdoor objects. In the case of outdoor backgrounds (bottom panel) all consistent objects were outdoor objects while all inconsistent objects were indoor objects.