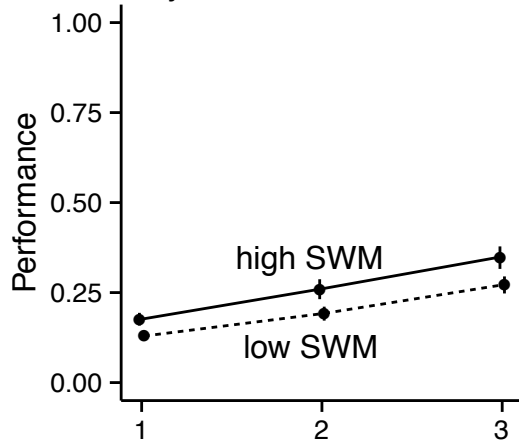
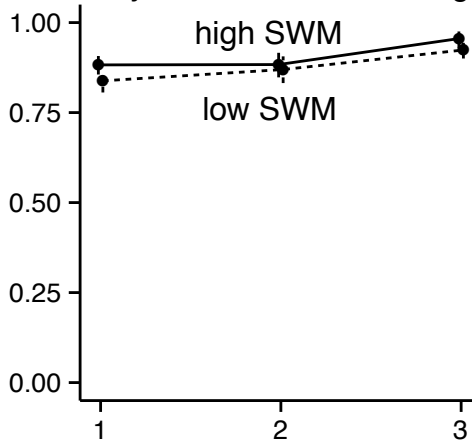


Physical Abacus Arithmetic



Physical Abacus Decoding



Physical Abacus Sums

