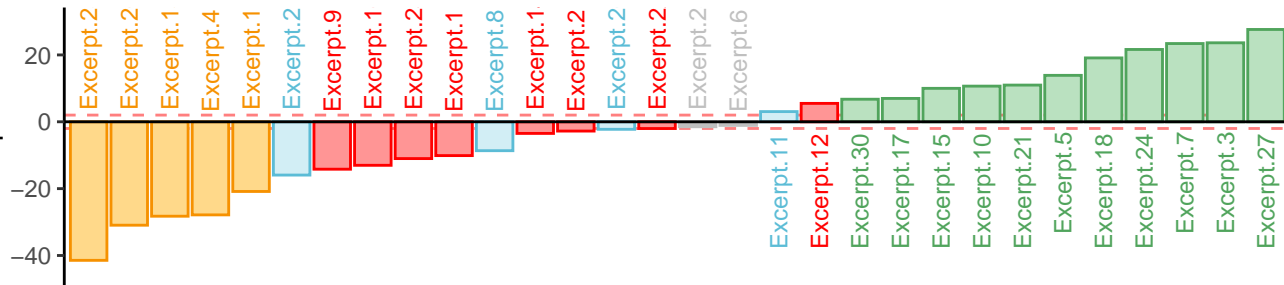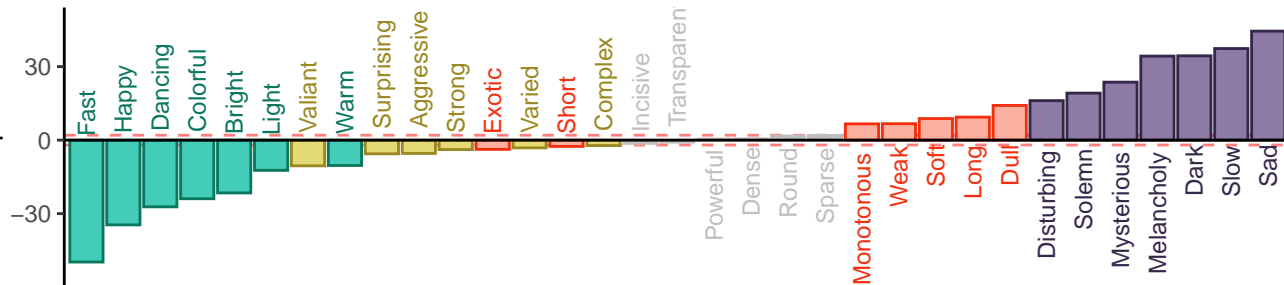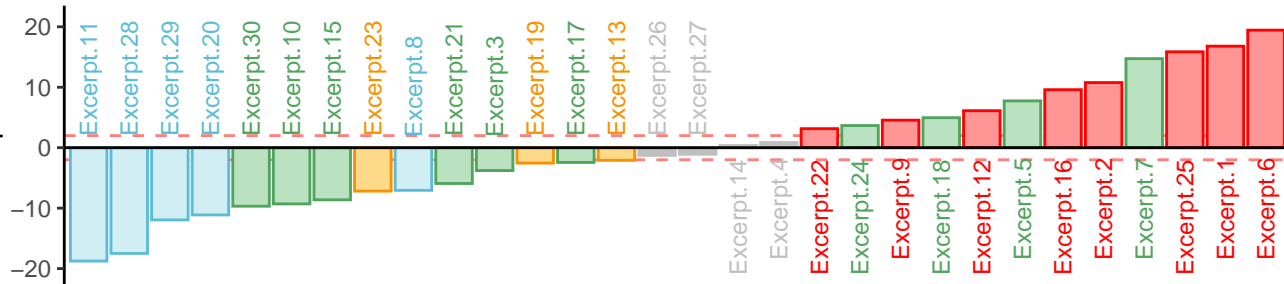Bootstrap ratios