Examples of investigating effects of alcohol consumption and expectation of alcohol on aggression measure by the intensity of the shock administered.

 Expect

 Expect

 Do not expect Do not expect

 No Alcohol No Alcohol

 Alcohol Alcohol

 (a) No significant effects (b) Significant effect of Expectation;

 No other effects

 No Alcohol No Alcohol

 Alcohol Alcohol

 (c) Significant effect of Alcohol; (d) Significant effect of Expectation

 No other effects and of Alcohol; no Interaction effects

 No Alcohol No Alcohol

 Alcohol Alcohol

(e) Significant effect of Expectation, (f) Significant Interaction effect;

 Alcohol, and Interaction no other effects

 No 0.05 0.10 No 0.05 0.10

 Alcohol Alcohol

(g) Significant effect for Expectation (h) Significant effect for Expectation,

And Alcohol; no interaction effect Alcohol, and Interaction

Graphs (g) and (h) are 2x3 designs where graphs (a) – (f) are 2x2 designs

**Mean Intensity of shock is on the vertical axis**