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**