**Quantity frequency questionnaire**

Paticipants were first asked on how many days in the last three months they consumed alcohol (“*On how many days during the last three months did you drink at least one glass of alcohol?*”; “*An wie vielen Tagen tranken Sie in den letzten 3 Monaten zumindest 1 Glas Alkohol?*”). If they found this question difficult to answer, they could also indicate, on how many days in a regular week over the last three months they consumed alcohol. Next, they were presented with a pictures of 20 commonly consumed alcoholic drinks and asked, how many of each of the displayed drinks they consumed on one a typical drinking day (“*On the days on which you drank alcohol during the last three months: Can you tell me based on these images, how much of each of these drinks you consumed on a typical day?*”; “*An diesen Tagen an denen Sie in den letzten 3 Monaten Alkohol tranken: Können Sie mir anhand der Abbildungen auf der Liste angeben, was und wie viel Sie üblicherweise an einem Tag tranken?*”; for the complete list of drinks, see Appendix A).

**Wording EMA questions**

*“Think about yesterday/the day before yesterday: How much of each of these drinks did you consume?”;* “*Denken Sie an gestern/vorgestern: Welche und wie viele alkoholische Getränke haben Sie konsumiert?*” (for the complete list of drinks, see Appendix A).

**Model definitions**

**Risk taking task**

„The 50 mixed trials consisted of a choice between a certain £0 and a gamble with equal probabilities of a monetary gain or loss. There were five gamble gain amounts in pence (30, 50, 80, 110, 150) and gamble loss amounts were determined by 10 multipliers on the gain amount (0.2, 0.3, 0.4, 0.52, 0.66, 0.82, 1, 1.2, 1.5, 2) chosen to ac- commodate a range of loss sensitivity. The 50 gain trials consisted of a choice between a certain gain and a gamble with equal probabilities of a larger gain or £0. There were five certain amounts (20, 30, 40, 50, 60) and the gamble gain amount was determined using 10 multipliers on the certain amount (1.68, 1.82, 2, 2.22, 2.48, 2.8, 3.16, 3.6, 4.2, 5). The 50 loss trials used the same monetary amounts as the gain trials with five certain amounts (−20, −30, −40, −50, −60) and the same 10 multipliers as used for gain trials. The maximum gamble gain or loss for a single trial was £3.” (from Rutledge)