The Netherlands drinking indicators

One standard drink is 10 gram of pure alcohol. (according to Ronald)
Note: There are no beverage specific frequencies or quantity questions.
Frequency and quantity is asked for weekdays, weekend and for the last 7 days.

Drinking status

drin1_12: (drinking status, based on **alc7**, **gehont**) values: 0 (lifetime abstainer); 1 (12 months abstainer); 2 (current drinker)

- use alc7 (never consumed alcohol) and gehont (abstainer or drinker in the past 12 months)

frequencies

gefr1_12: (overall frequency, based on dfuo_12a (**qfv1**: frequency weekdays), dfuo_12b (**qfv3:** frequency weekend days))
recoding weekdays (Monday to Thursday):

4 days	=> 4
3 days	=> 3
2 days	=> 2
1 day	=> 1
less than one day	=> 0.5
I never drink on weekdays	=> 0

recoding weekend days (Friday to Sunday):

3 days	=> 3
2 days	=> 2
1 day	=> 1
less than one day	=> 0.5
I never drink on weekend days	=> 0

- take the sum of frequency weekdays and frequency weekend multiplying by 52: gefr1_12=(freq weekdays + freq weekend days)*52
- if freq weekdays is missing => gefr1_12=freq weekend days*52.
- if freq weekend days is missing => gefr1_12=freq weekdays*52.
- Missings in both frequencies are missings in gefr1_12,
- Lifetime/12 months abstainer are being put to 0.
- Note: Compared with binge: 45 persons drink 6+ more often, although they report less at the general frequencies when considering the ranges of categories!!!

gefr3_12: (overall frequency, based on information about the last 7 days, dndo_12a to dndo12_g (**wr1 to wr7**))

- Take the number of drinking days of the last week multiplying by 52
- Abstainer are set to 0

gefr5_12: (overall frequency, based on gefr1_12, bing5_12)

- 47 cases with higher values in gefr5_12 than in gefr1_12:
- take the maximum of the overall frequency (based on information about weekday frequency and weekend frequency) and the frequency of binge drinking: gefr5_12=maximum(gefr1_12, bing5_12)

nodd5_12: (annual number of drinking days, based on gefr5_12)

- nodd5_12 = gefr5_12

Quantities

gequ1_12: (usually quantity on a drinking day, based on information about weekdays and weekend days, dndo_12h (**qfv2**: usually quantity on a weekday), dndo_12i (**qfv4**: usually quantity on a weekend day), dfuo_12a (**qfv1**: frequency weekdays), dfuo_12b (**qfv3**: frequency weekend days)):

- gequ1_12 is the weighted mean of the usually quantities of the weekdays and the weekend days, the weighting is according to the frequencies for weekdays and for weekend days:
- gequ1_12 = (quan weekday * freq weekdays + quan weekend day * freq weekend)*10grams / (freq weekday + freq weekend day) (take 10grams pure ethanol for one standard drink)

gequ3_12: (usually quantity on a drinking day, based on information about the last seven days, dndo_12a to dndo_12g (**wr1** to **wr7**: individual quantities for the last seven days))

- gequ3_12 is the mean of the quantities for the last seven days
- gequ3_12 = sum of the quantities for the last seven days * 10 grams / number of drinking days for the last seven days

gequ5_12: (usually quantity on a drinking day, based on information about weekdays, weekend days and the last seven days, gequ1_12, gequ3_12)

- take gequ1_12 (usually quantity based on information about weekdays and weekend days)
- if missing or 0 take gequ3_12 (usually quantity based on information about the last 7 days)

Volume

gevo1_12: (annual volume, based on information about weekdays and weekend days, dfuo_12a (**qfv1**: frequency weekdays), dfuo_12b (**qfv3**: frequency weekend days), dndo_12h (**qfv2**: usually quantity on a weekday), dndo_12i (**qfv4**: usually quantity on a weekend day))

- gevo1_12: (the usually quantity for a weekday * the frequency for the weekdays) + (the usually quantity for a weekend day * the frequency for a weekend), this sum (the volume for a week) is multiplied by 52,

gevo3_12: (annual volume, based on information about the last seven days, dndo_12a to dndo_12g (**wr1** to **wr7**: individual quantities for the last seven days)

- gevo3_12 = sum of the quantities for the last seven days (volume for the last week) multiplied by 52,
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gevo5_12: (annual volume, based on different instruments, information about weekdays and weekend days and last 7 days, gevo1_12, gevo3_12, bing5_12)

- take gevo1_12 (annual volume based on information about weekdays and weekend days)
- if missing or 0 take gevo3_12 (annual volume based on information about the last 7 days)
- correction if bing5_12 > gefr1_12 (47 cases): take the higher frequency to calculate volume: gefr5_12 = bing5_12 (annual frequency of 6 +) * gequ5_12 (usually quantity on a drinking day)

binge drinking

bing1_12: (annual frequency of drinking 6+ glasses, (60 grams ethanol) based on dlnda12 (**qfv5**: frequency of drinking 6+ on one day in the last 6 months))

recoding:

every day	=> 365 times per year
5-6 times a week	=> 286
3-4 times a week	=> 182
1-2 times a week	=> 78
1-3 times a month	=> 24
3-5 times per half a year	=> 8
1-2 times per half a year	=> 3
never	=> 0

- abstainer are set to 0.
- 35 missings

bing3_12: (annual frequency of 6+ based on information about last 7 days, dndo_12a to dndo_12g (**wr1** to **wr7**: individual quantities for the last seven days))

- count days with 6+ glasses for the last week and multiply this by 52, (0 missings)

bing5_12: (annual frequency of 6+ based on bing1_12, bing5_12)
- bing5_12 = bing1_12
- if missing take information from weekdays and weekend days: if the usually quantity on a weekday is higher or equal 60 grams => bin5_12 = frequency weekdays * 52, if the usually quantity on a weekend day is higher or equal 60 grams => bin5_12 = frequency weekend days * 52, if both: bin5_12 = (frequency weekdays + frequency weekend days) * 52