~~gen wake = UIL302+20 /\* put wake on the same scale as UIL 303 sleep time~~

~~gen sleep = UIL303~~

~~gen sleepdelay = UIL304/30 /\* rescale sleep delay into 30 minute increments\*/~~

~~line up the two 4 AMs - 1 for UIL 302 and 21 for UIL 303\*/~~

~~gen duration=(wake-sleep)~~

~~replace duration=duration-48 if duration>=48 /\* duration had gone over 24 hours because wake time is 29 or higher~~

~~i.e., 6:00 PM which is 1 on sleep time~~

~~If duration is 48, then that means that they entered the same sleep and wake time \*/~~

~~replace duration=duration+48 if duration<0 /\* duration had gone negative because sleep time is before 6 pm (when the scale starts)~~

~~and wake time is after 6 pm. \*/~~

~~replace duration=. if duration==0 /\*entered the same sleep and wake time\*/~~

~~gen sleepcheck = duration-sleepdelay /\* check if once sleep delay is accounted for, whether sleep is less than zero \*/~~

~~replace sleepdelay=. if sleepcheck<0~~

~~gen mfs = wake - duration/2~~

~~replace mfs = mfs-48 if mfs>48 /\* this is folks whose sleep time is late morning to mid-afternoon \*/~~

~~gen mfs\_delay = wake - (duration-sleepdelay)/2~~

~~replace mfs\_delay = mfs\_delay-48 if mfs\_delay>48 /\* same 7 participants as for mfs \*/~~

~~replace mfs = mfs - 13 /\* rescale so that midnight is zero \*/~~

~~replace mfs = mfs / 2 /\* rescale so that it's on an hourly unit \*/~~

~~replace mfs\_delay = mfs\_delay - 13 /\* rescale so that midnight is zero \*/~~

~~replace mfs\_delay = mfs\_delay /2 /\* rescale so that it's on an hourly unit \*/~~