D W equation 2005 data for Calen MAY 20 2020

CPR: This is only for using Triceps only for men 20-29. For all three, or for different ages or women, Refer to the original Durnin-Womersley paper.

use "/Users/lgettler/Desktop/Dissertation/CLHNS2005\_copy/ANTHDIET2005.dta"

gen tricepave = ((tricep1+tricep2+tricep3)/3)

replace tricepave=. if tricepave<0

gen log10tri = log10(tricepave)

gen density = (1.1131-(0.053\*log10tri))

\*\*LTG: you will have to change the density equation based on having more skinfold measures than just triceps. I have it calculated this way (w. only triceps) to make it comparable to 2009 (when we only have triceps).

gen bfperc = ((4.95/density )-4.5)\*100

gen fatmass = (( bfperc \*.01)\*weight)

gen ffm05 = weight-fatmass