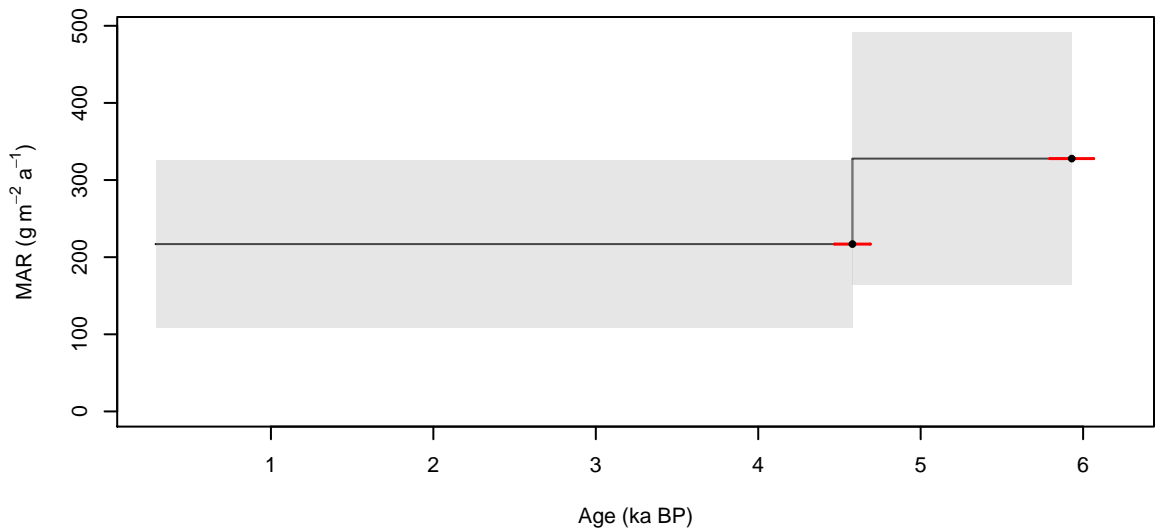
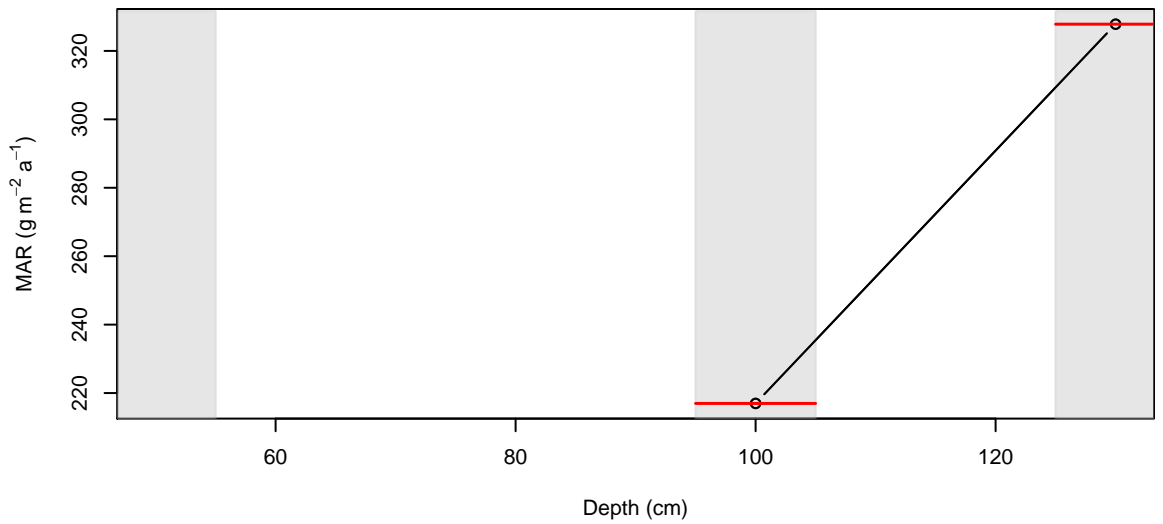
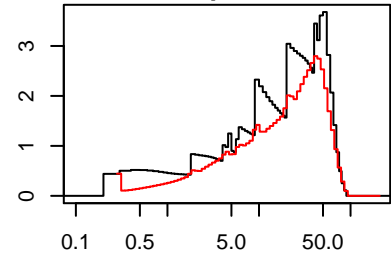


Xifeng

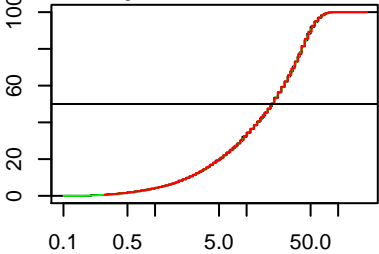


Xifeng
 Reference: Stevens and Lu, 2009
 Depth: Assume 10cm sample thickness
 Age: OSL ages. Age at soil horizon limits.
 Age error: From OSL
 SBMAR: LSR*DBD, with LSR for each soil horizon
 SBMAR err: From LSR and DBD
 DBD: Assume 1.48 g/cm^3 (Kohfeld and Harrison, 2003)
 DBD err: Assume 15% (Kohfeld and Harrison, 2003)
 EC: Assume it is 1, organic content negligible (Derbyshire, 1982)
 Size: Cilas 920 laser granulometer

Sample 100

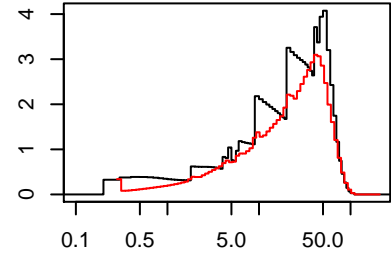


Sample 100 cumulative

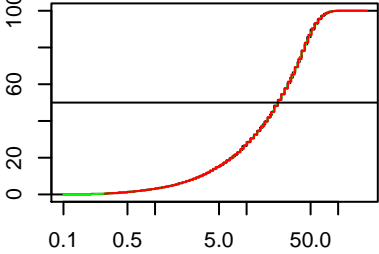


Sample statistics
Mass conserved = 0.999
Median(obs/new) = 19.5 / 19.29
1%(obs/new) = 0.35 / 0.36
5%(obs/new) = 1.15 / 1.24
25%(obs/new) = 6.75 / 6.92
75%(obs/new) = 37 / 35.05
95%(obs/new) = 57.5 / 58.48
99%(obs/new) = 72.5 / 75.53

Sample 130

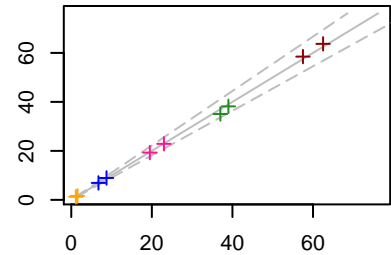


Sample 130 cumulative

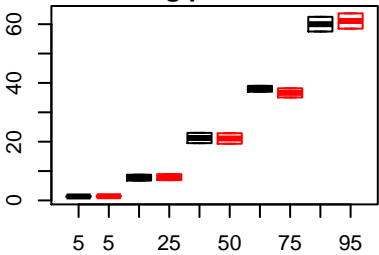


Sample statistics
Mass conserved = 1
Median(obs/new) = 23 / 22.88
1%(obs/new) = 0.45 / 0.43
5%(obs/new) = 1.55 / 1.61
25%(obs/new) = 8.75 / 8.94
75%(obs/new) = 39 / 38.18
95%(obs/new) = 62.5 / 63.69
99%(obs/new) = 77.5 / 75.53

5/25/50/75/95 percentiles



Xifeng percentiles



Site statistics
Percentiles Pearson's corr. = 1
Mean normalized bias = 0.01