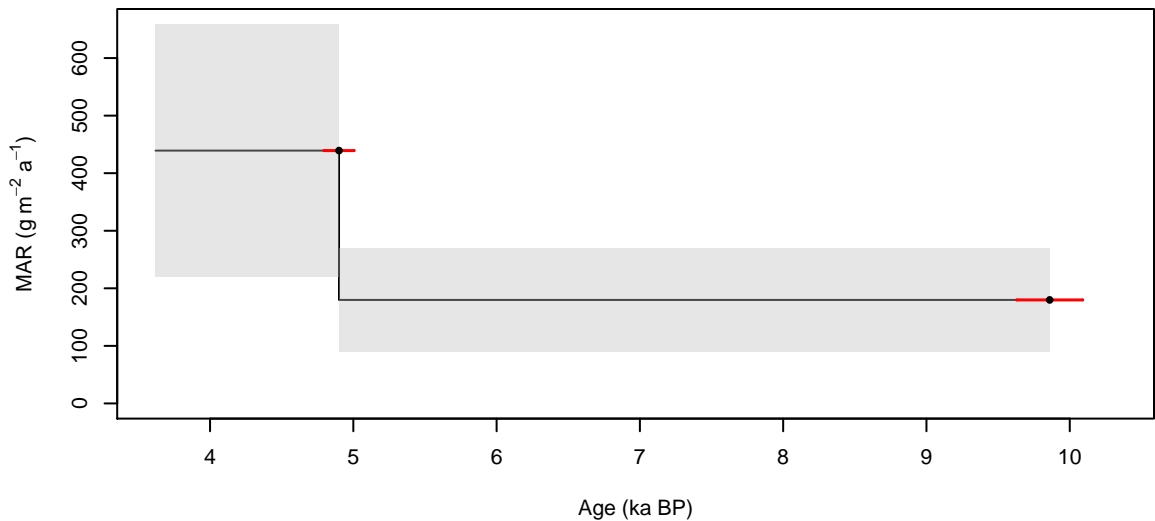
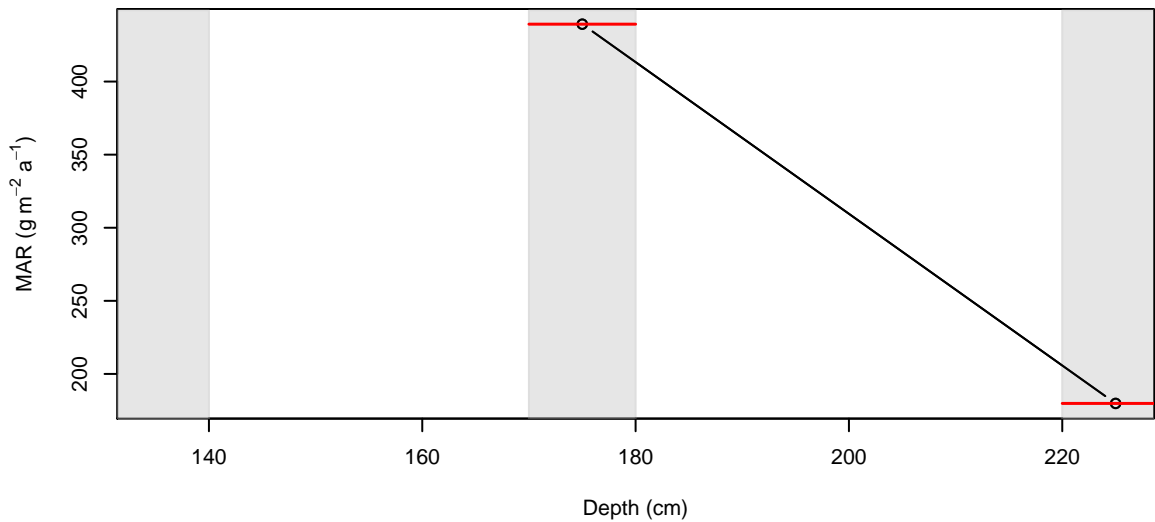
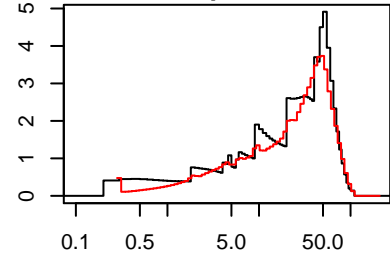


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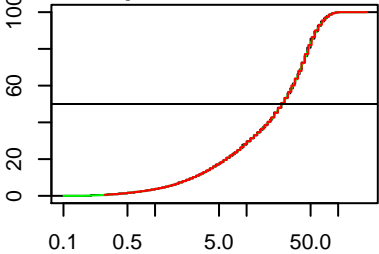


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Reference: Stevens and Lu, 2009
Depth: Assume 10cm sample thickness
Age: OSL ages. Age at soil horizon limits.
Age error: From OSL
SBMAR: LSR*DBD, with LSR for each soil horizon
SBMAR err: From LSR and DBD
DBD: Assume 1.48 g/cm³ (Kohfeld and Harrison, 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 175

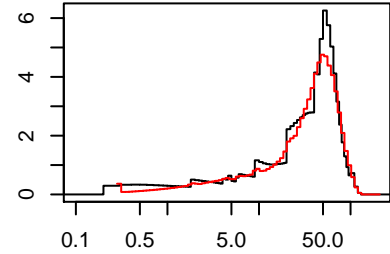


Sample 175 cumulative

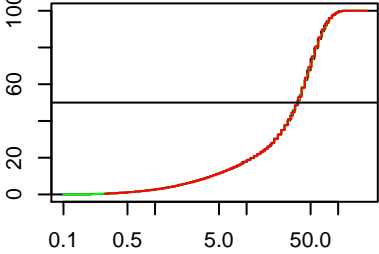


Sample statistics
Mass conserved = 0.998
Median(obs/new) = 25 / 24.92
1%(obs/new) = 0.35 / 0.39
5%(obs/new) = 1.35 / 1.35
25%(obs/new) = 8.25 / 8.21
75%(obs/new) = 44.5 / 45.28
95%(obs/new) = 67.5 / 69.36
99%(obs/new) = 82.5 / 82.26

Sample 225

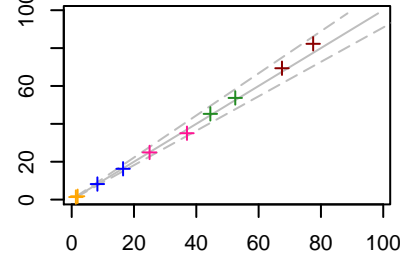


Sample 225 cumulative

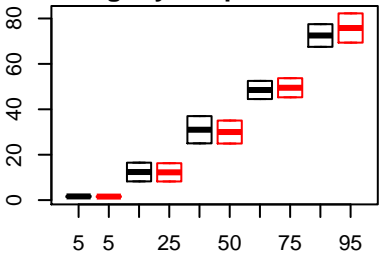


Sample statistics
Mass conserved = 0.999
Median(obs/new) = 37 / 35.05
1%(obs/new) = 0.45 / 0.47
5%(obs/new) = 1.9 / 1.75
25%(obs/new) = 16.5 / 16.26
75%(obs/new) = 52.5 / 53.7
95%(obs/new) = 77.5 / 82.26
99%(obs/new) = 97.5 / 97.56

5/25/50/75/95 percentiles



Beiguoyuan percentiles



Site statistics
Percentiles Pearson's corr. = 1
Mean normalized bias = 0