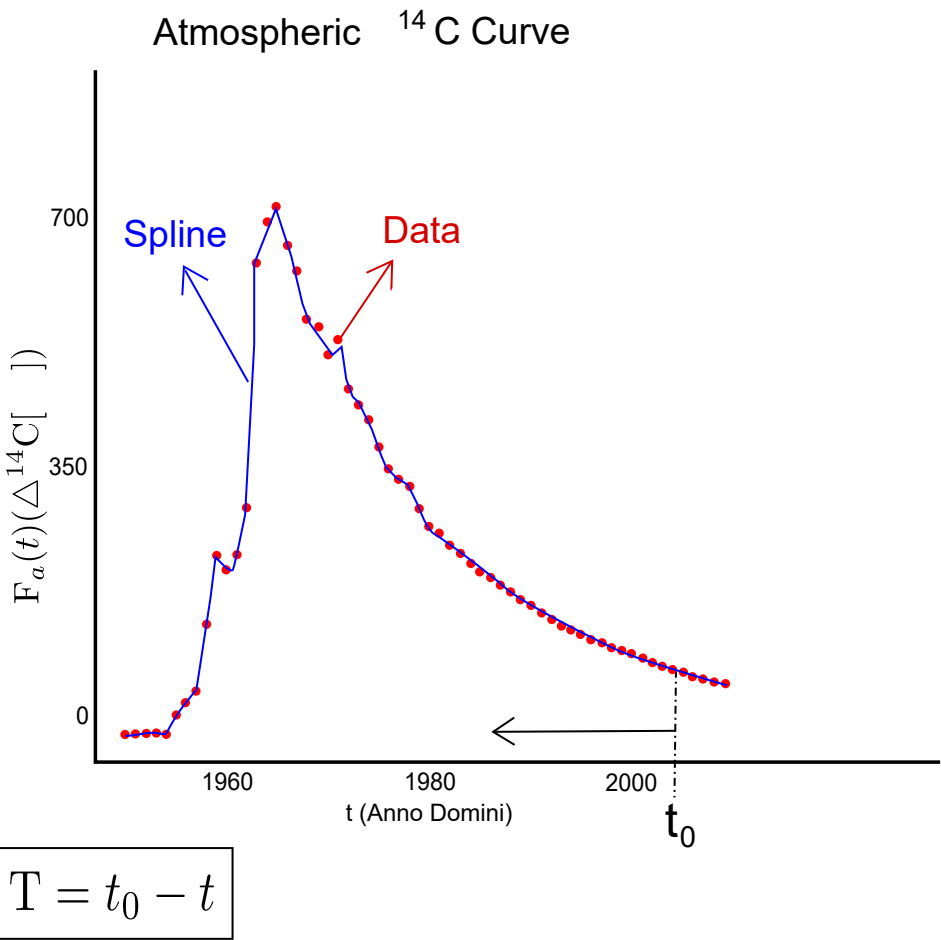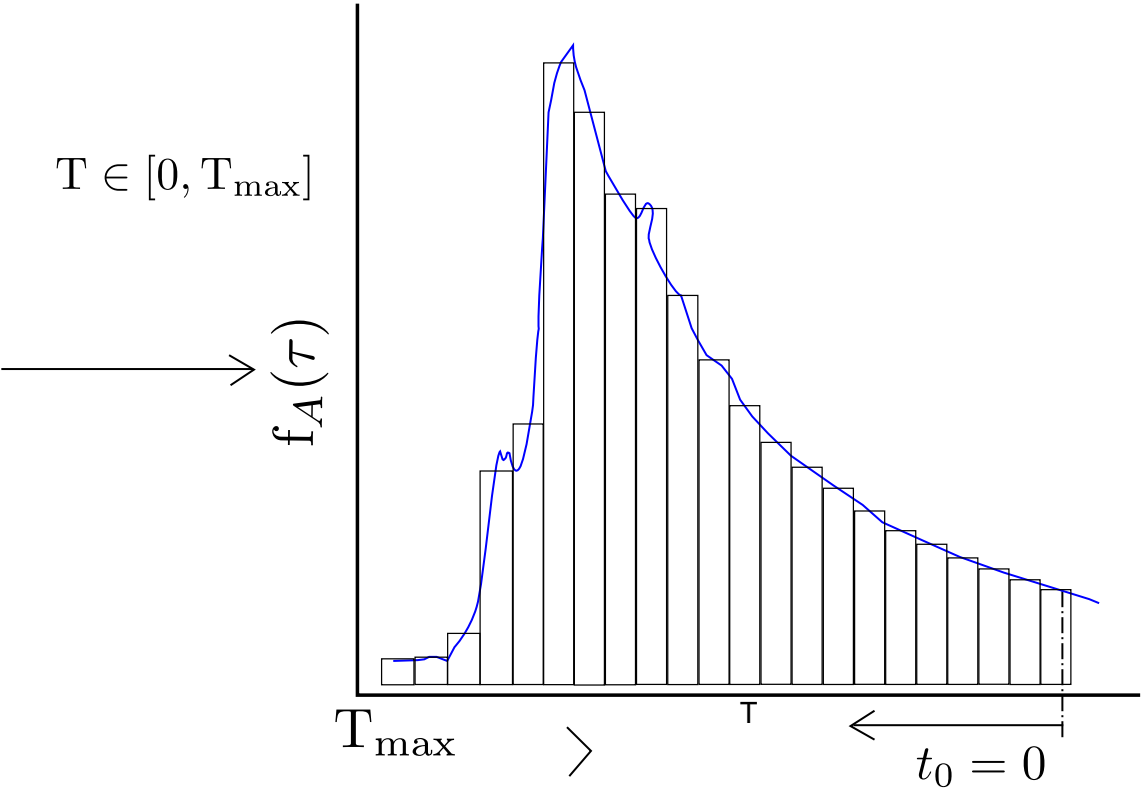# 1.Homogenization

2. Discretization

3. Aggregation

Atmospheric ^{14}C Curve

Spline

Data

$F_a(t)(\triangle^{14}C[\quad])$

700

350

0

1960   1980   2000

t (Anno Domini)

t_0

$T = t_0 - t$

$T \in [0, T_{max}]$

$f_A(\tau)$

T_{max} $\quad >$

T

$t_0 = 0$

at $\quad t_0$

$M(\triangle^{14}C)$

0   200   400   600   800

$\triangle^{14}C(\quad)$

Age Distibution

$f_A(\tau)$

$\int_0^\infty f_A(\tau)d\tau = 1$

(age in years)

$t_0 = 0$ $\quad$ T

$M(T) = \|x^*\| \cdot P_A(T)$

$t_0 = 0$