

response

date

$t_1$	$y_1$
$t_2$	$y_2$
$\vdots$	$\vdots$
$t_B$	$y_B$

data frame with  $B$  rows

design function  
`function(date) {}`

$x_1(t_1)$	$x_2(t_1)$	$x_p(t_1)$
$x_1(t_2)$	$x_2(t_2)$	$x_p(t_2)$
$\vdots$	$\vdots$	$\vdots$
$x_1(t_B)$	$x_2(t_B)$	$x_p(t_B)$

bts with  $B$  rows