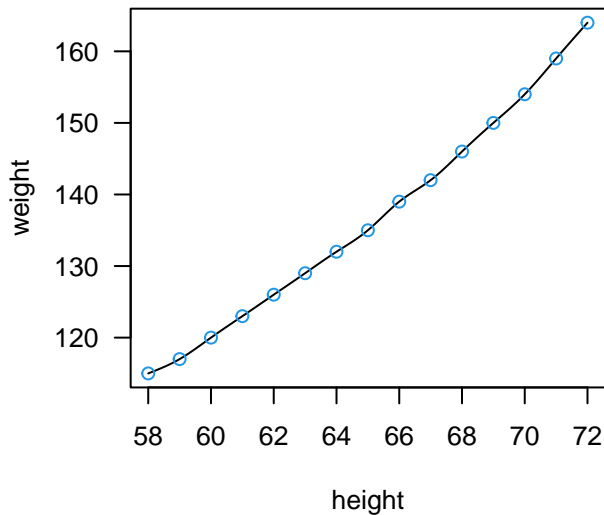
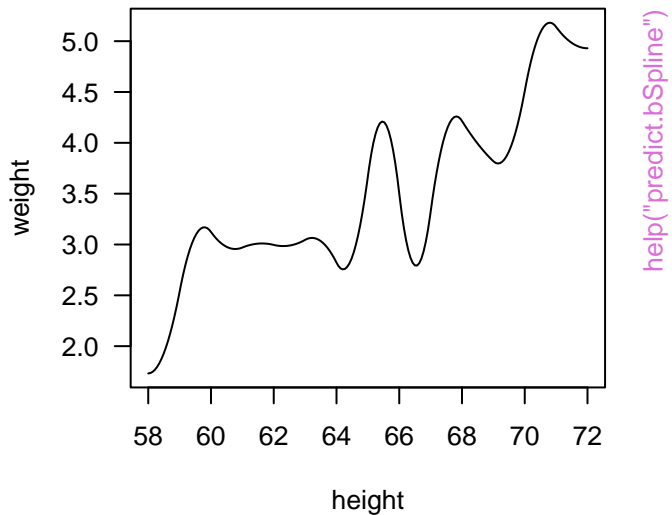




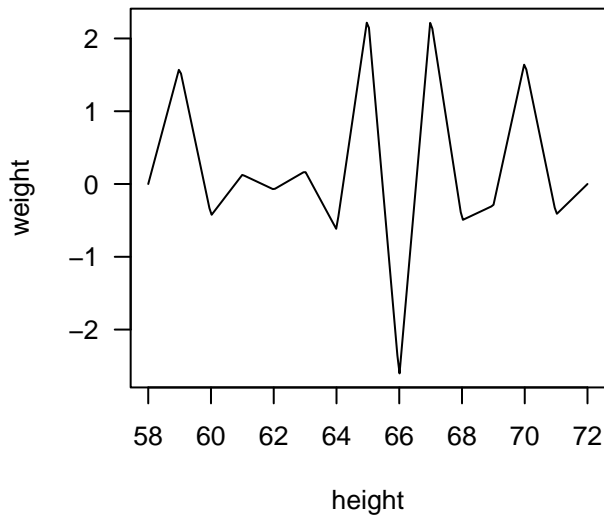
### Original data with interpolating spline



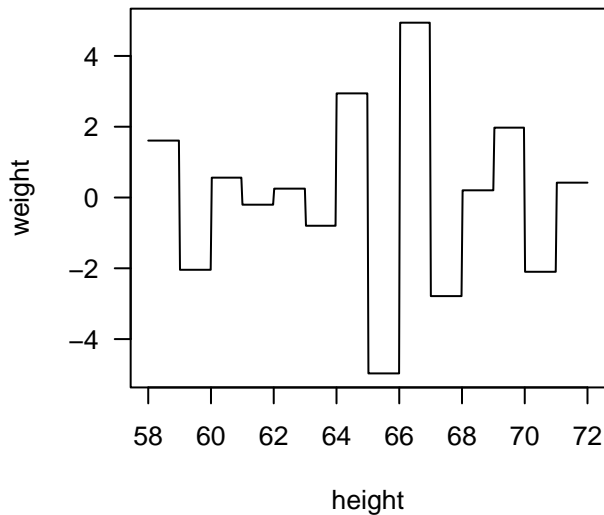
### First derivative of interpolating spline



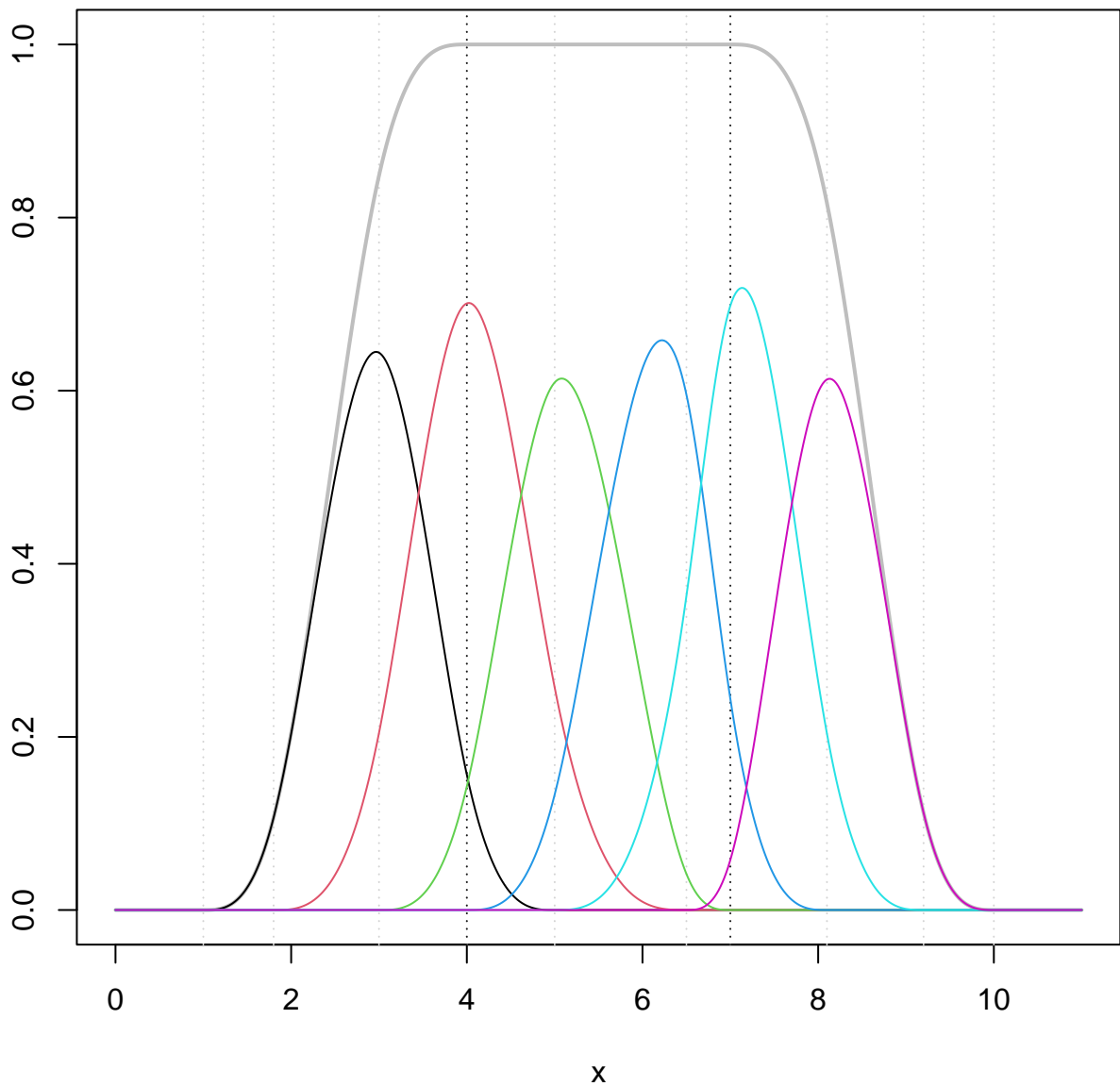
### Second derivative of interpolating spline



### Third derivative of interpolating spline



$B_j(x)$  and  $\sum_{j=1}^6 B_j(x)$  **B-splines – sum to 1 inside inner knots**



help("splineDesign")

