Regression Splines

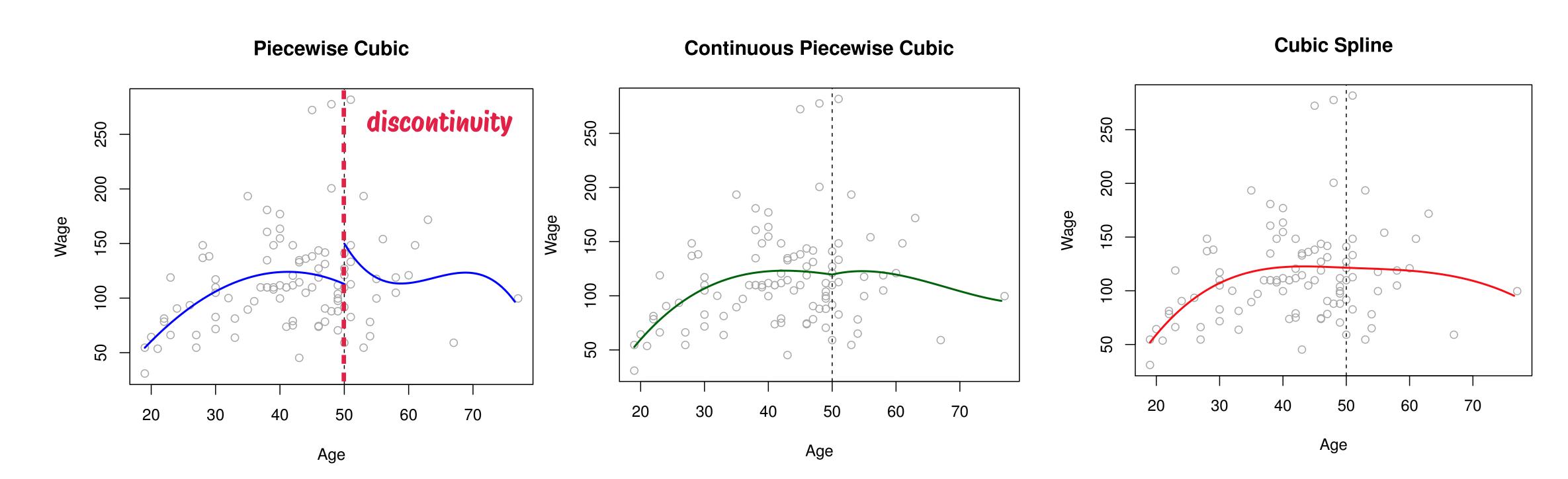
Example: Wage (ISLR2)

Piecewise cubic polynomial with a single knot placed a age = 50. Constraints:

1.
$$f_1(\text{age} = 50) = f_2(\text{age} = 50)$$

2.
$$f'_1(\text{age} = 50) = f'_2(\text{age} = 50)$$

3.
$$f_1(\text{age} = 50) = f_2(\text{age} = 50)$$



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