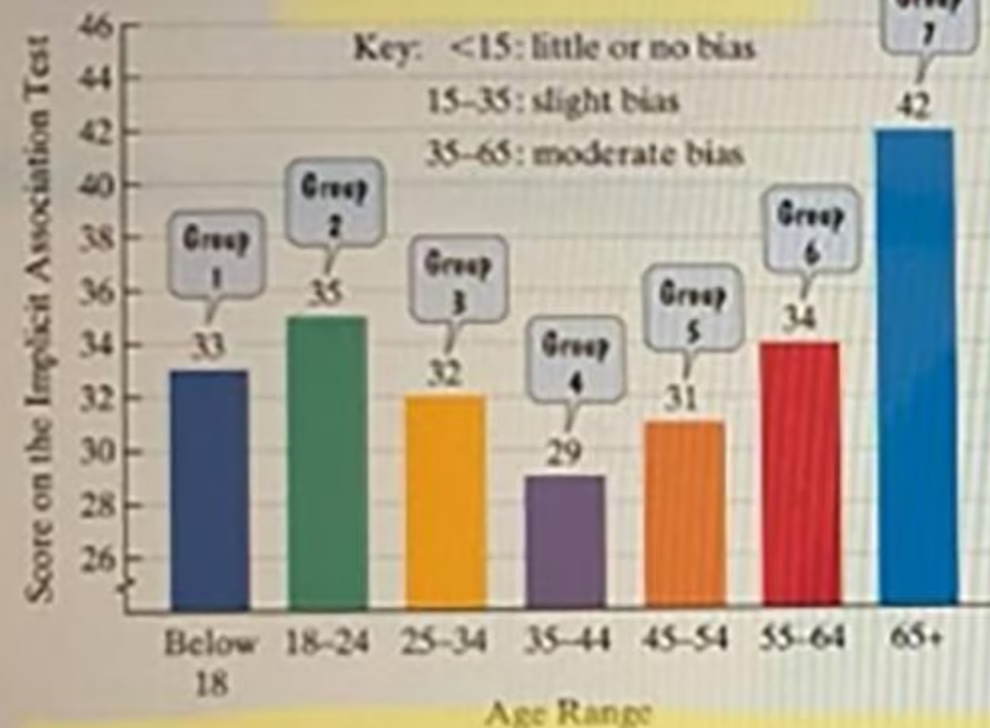3. The bar graph shows the differences among age groups on the Implicit Association Test that measures levels of racial prejudice. Higher scores indicate stronger bias.
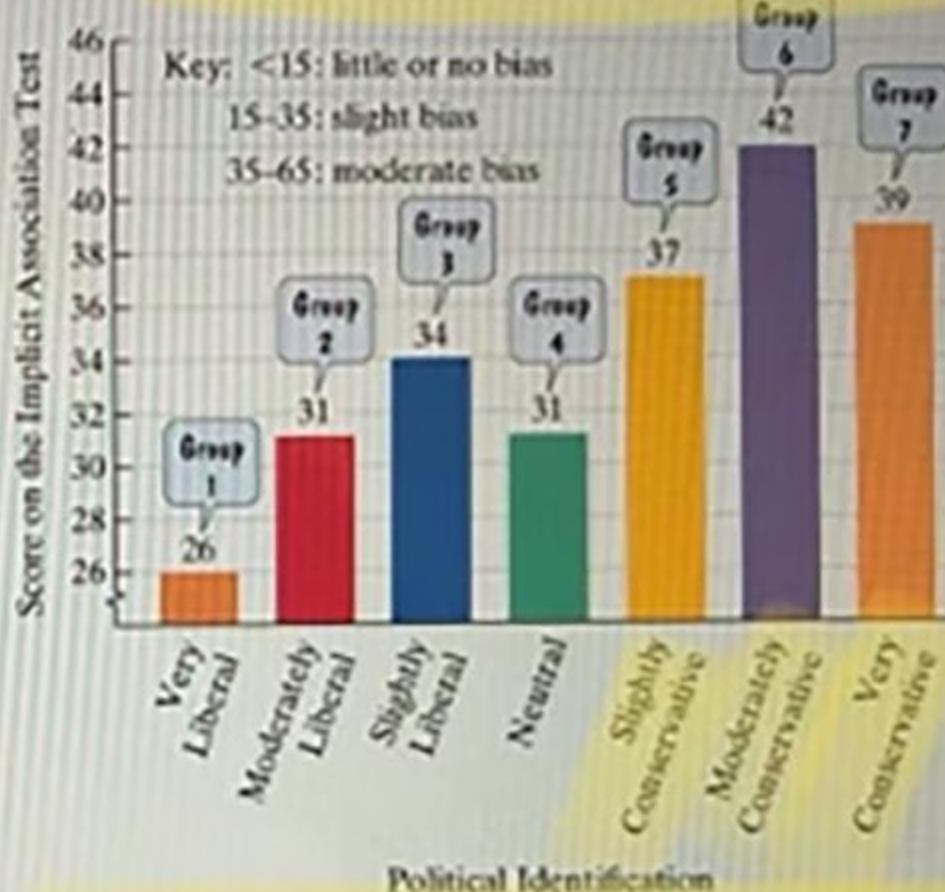
Measuring Racial Prejudice, by Age

Key: <15: little or no bias
15–35: slight bias
35–65: moderate bias

a. The data can be described by the following polynomial model of degree 3:

Measuring Racial Prejudice, by Political Identification

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a. The data can be described by the following polyno model of degree 3:

$$S = -0.02x^3 + 0.4x^2 + 1.2x + 22 + (-0.01x^3 - 0.2x^2 + 1.1x$$