

Cognition ( $M$ )

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graph LR; X[Stimulus (X)] -- alpha --> M[Cognition (M)]; M -- beta --> Y[Response (Y)]; X -- tau' --> Y;
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The diagram illustrates a mediation model with three rectangular boxes. The box on the left is labeled 'Stimulus ( $X$ )', the box at the top is labeled 'Cognition ( $M$ )', and the box on the right is labeled 'Response ( $Y$ )'. An arrow points from 'Stimulus ( $X$ )' to 'Cognition ( $M$ )' and is labeled with the Greek letter  $\alpha$ . Another arrow points from 'Cognition ( $M$ )' to 'Response ( $Y$ )' and is labeled with the Greek letter  $\beta$ . A third arrow points directly from 'Stimulus ( $X$ )' to 'Response ( $Y$ )' and is labeled with  $\tau'$ .

$\alpha$

$\beta$

$\tau'$

Stimulus ( $X$ )

Response ( $Y$ )