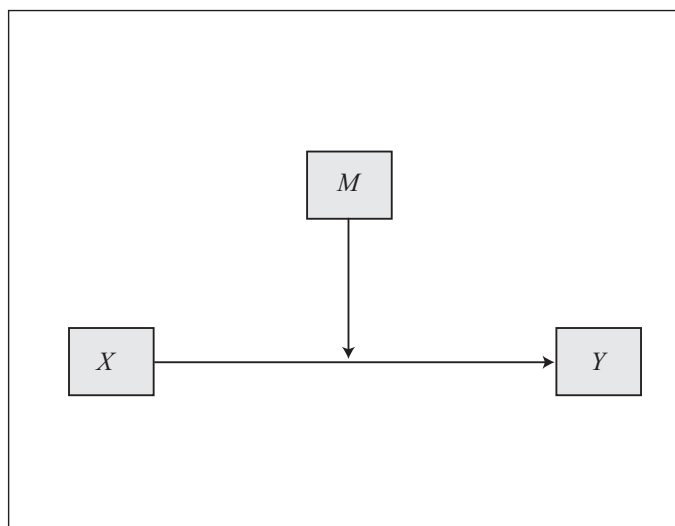


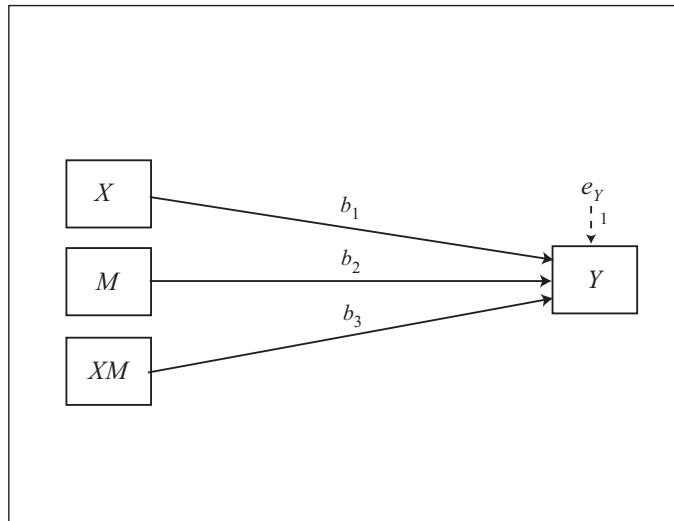
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Model 1

Conceptual Diagram



Statistical Diagram



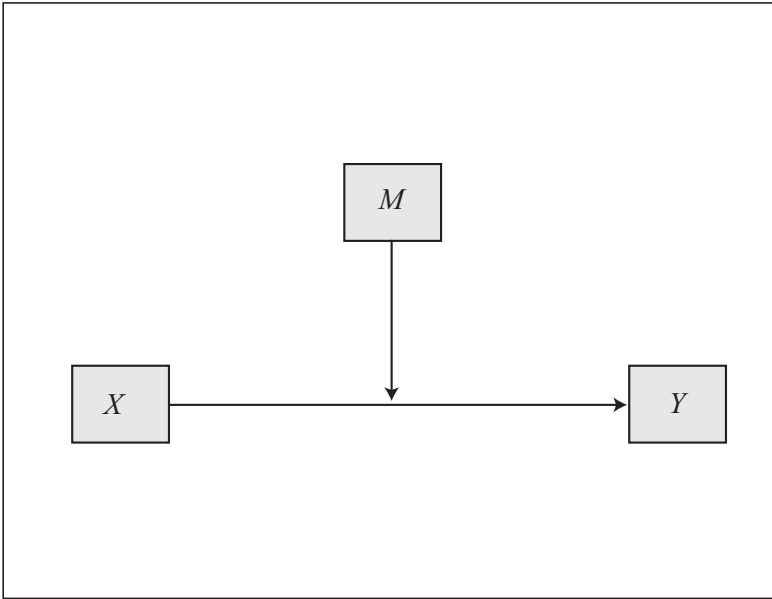
Conditional effect of X on $Y = b_1 + b_3M$

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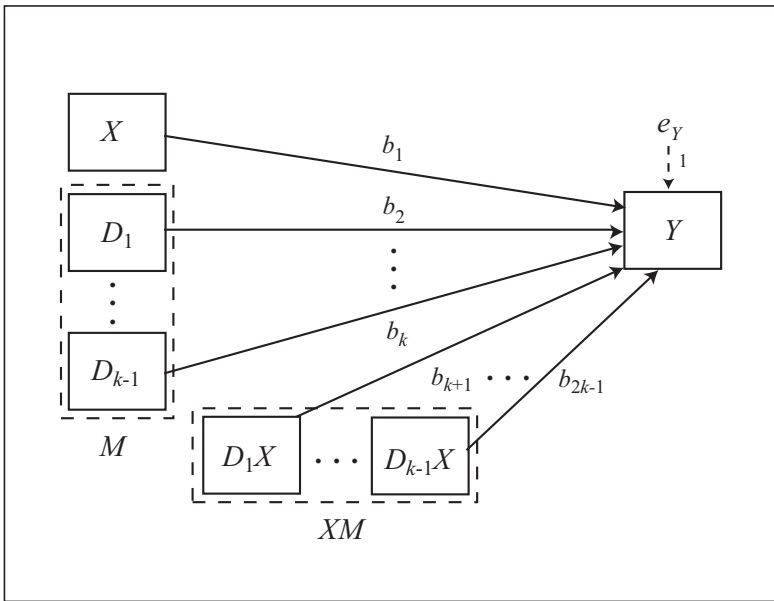
Model 1

Multicategorical M with k categories
(PROCESS v2.14 or later)

Conceptual Diagram



Statistical Diagram



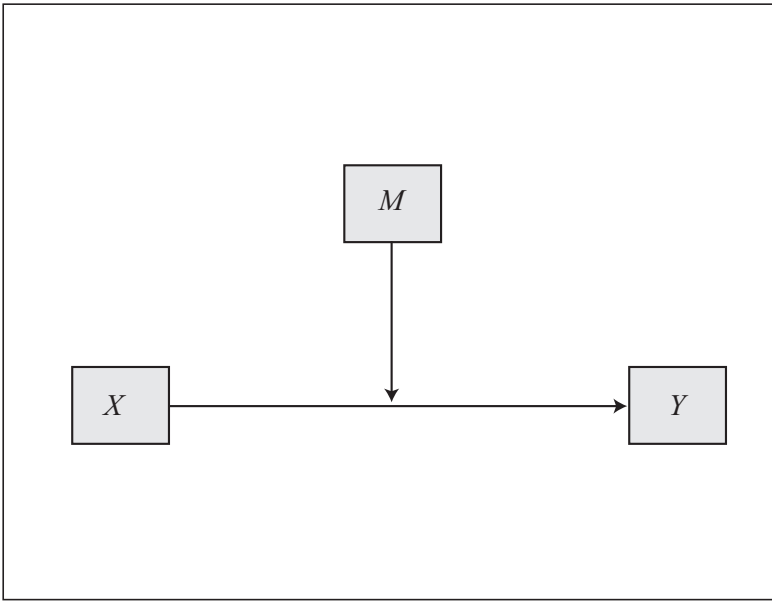
Conditional effect of X on $Y = b_1 + b_{k+1}D_1 + \dots + b_{2k-1}D_{k-1}$

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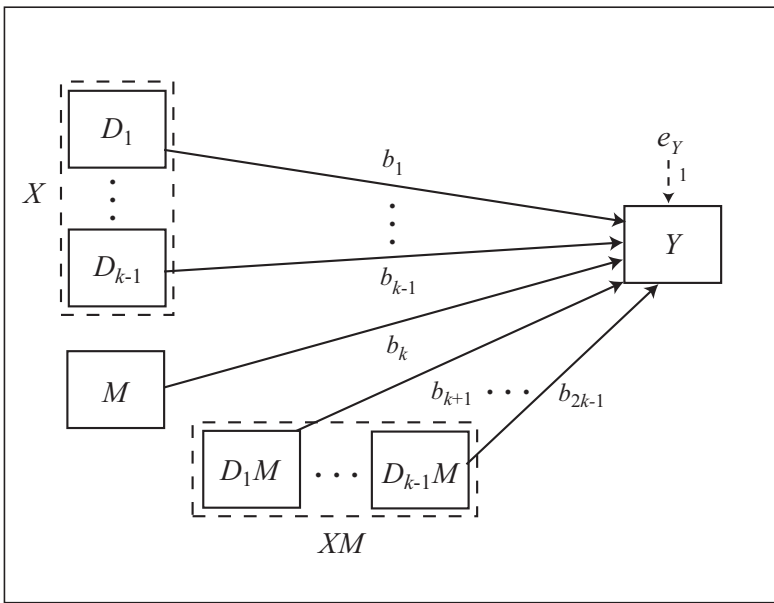
Model 1

Multicategorical X with k categories
(PROCESS v2.14 or later)

Conceptual Diagram



Statistical Diagram

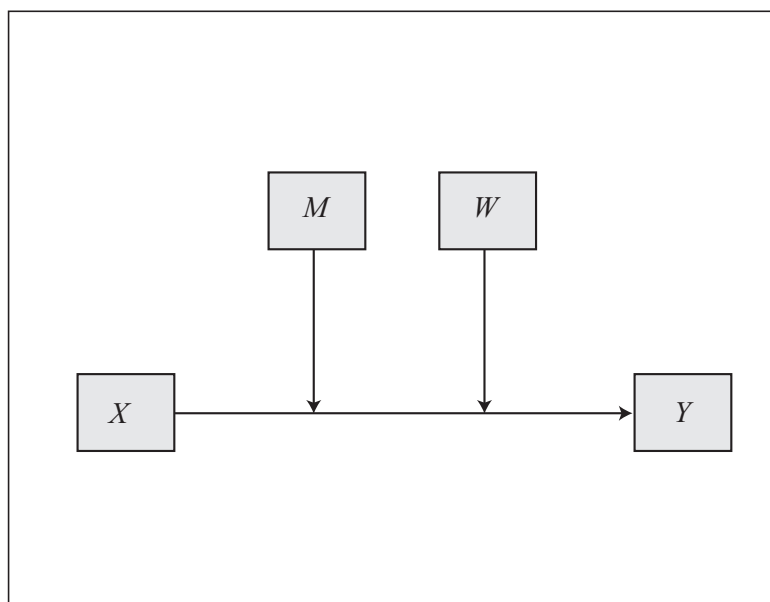


Conditional effect of X on $Y = \begin{cases} b_1 + b_{k+1}M \\ \vdots \\ b_{k-1} + b_{2k-1}M \end{cases}$

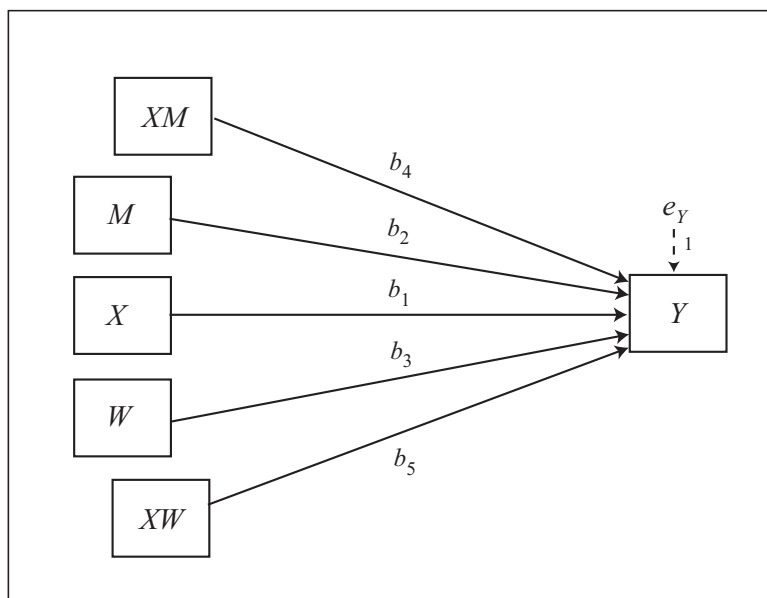
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Model 2

Conceptual Diagram



Statistical Diagram

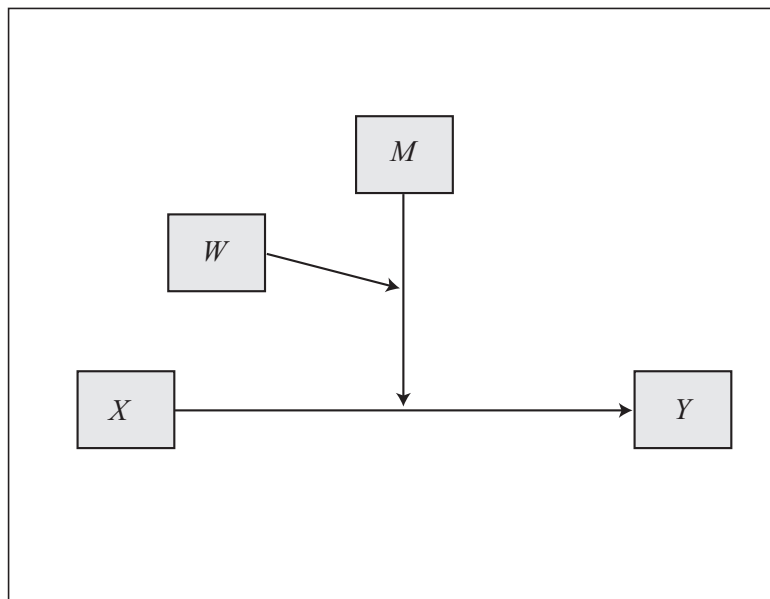


Conditional effect of X on $Y = b_1 + b_4M + b_5W$

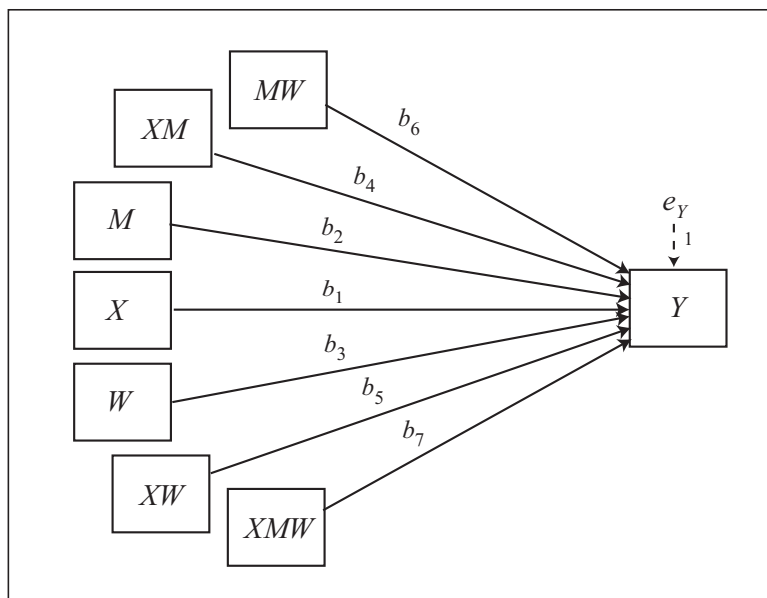
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Model 3

Conceptual Diagram



Statistical Diagram

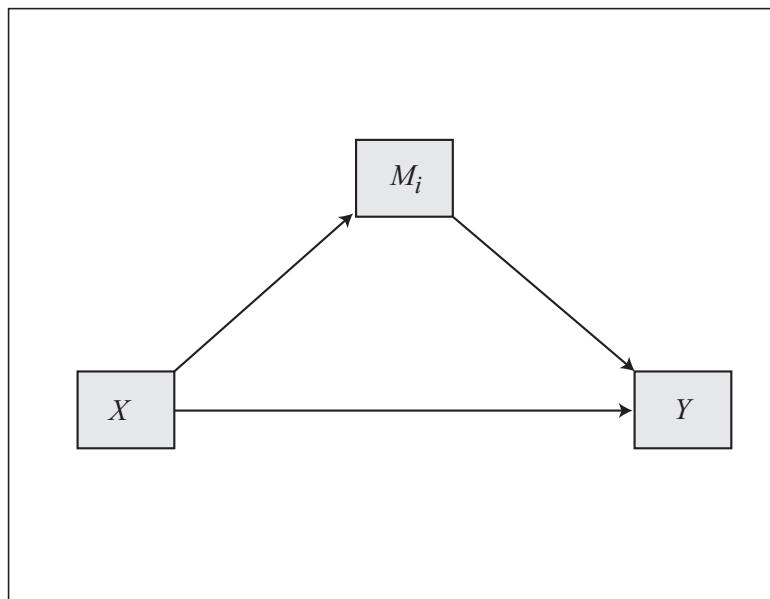


$$\text{Conditional effect of } X \text{ on } Y = b_1 + b_4M + b_5W + b_7MW$$

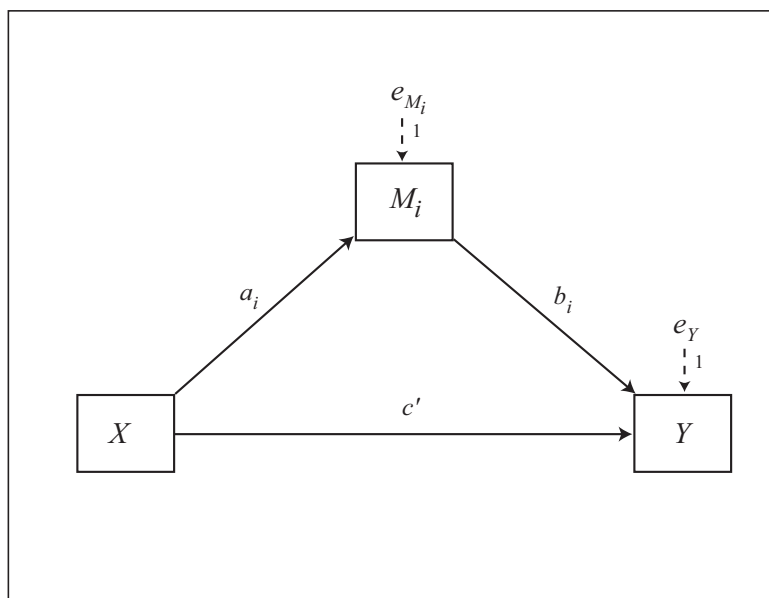
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Model 4

Conceptual Diagram



Statistical Diagram



Indirect effect of X on Y through $M_i = a_i b_i$

Direct effect of X on $Y = c'$

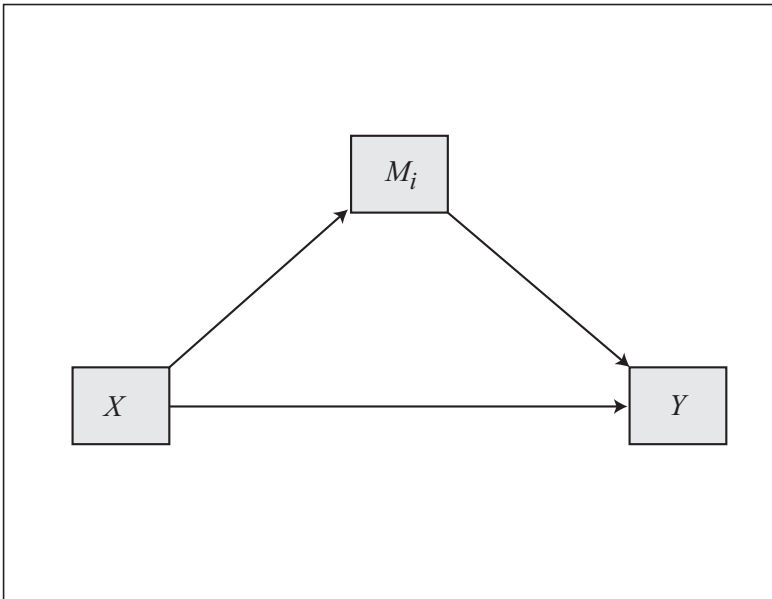
Note: Model 4 allows up to 10 mediators operating in parallel.

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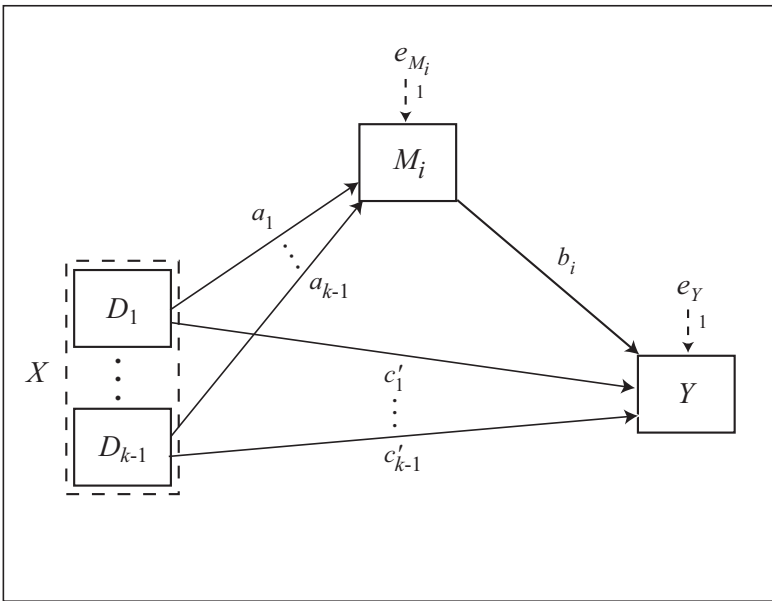
Model 4

Multicategorical X with k categories
(PROCESS v2.15 or later)

Conceptual Diagram



Statistical Diagram



Relative indirect effect of X on Y through $M_i = \begin{Bmatrix} a_1 b_i \\ \vdots \\ a_{k-1} b_i \end{Bmatrix}$

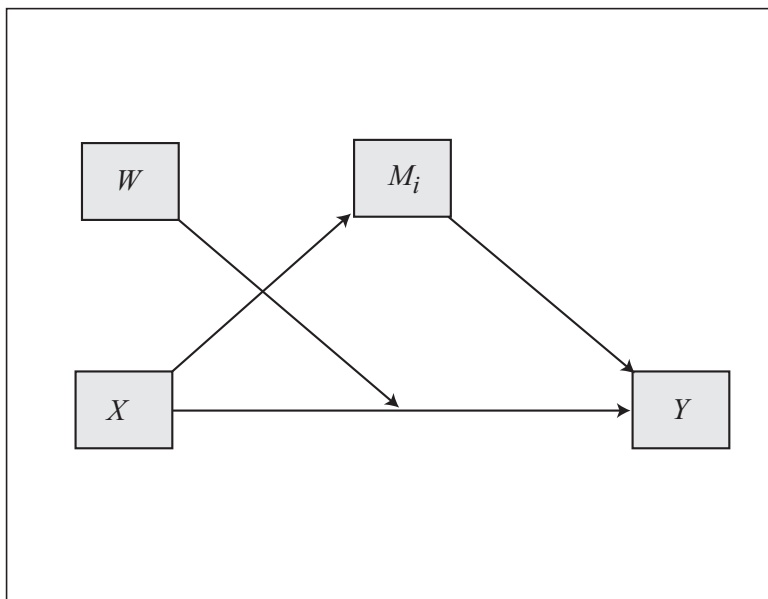
Relative direct effect of X on $Y = \begin{Bmatrix} c'_1 \\ \vdots \\ c'_{k-1} \end{Bmatrix}$

Note: Model 4 allows up to 10 mediators operating in parallel.

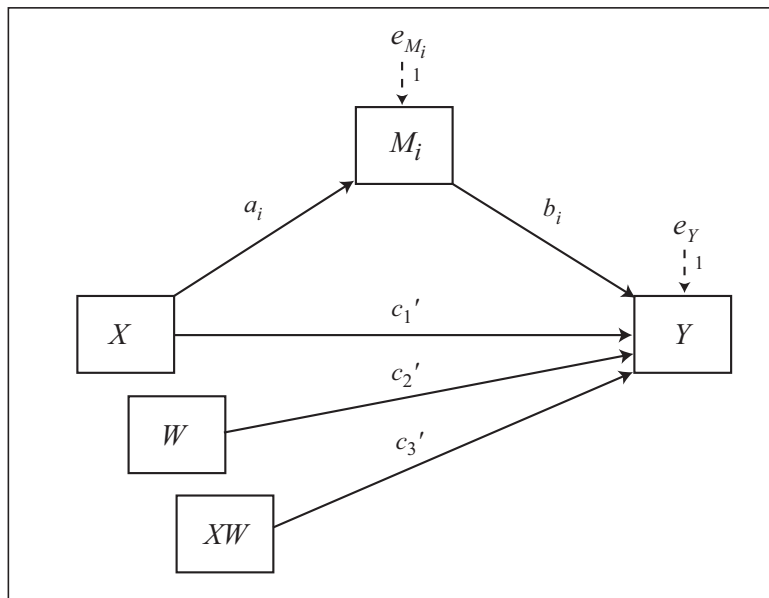
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Model 5

Conceptual Diagram



Statistical Diagram



Indirect effect of X on Y through $M_i = a_i b_i$

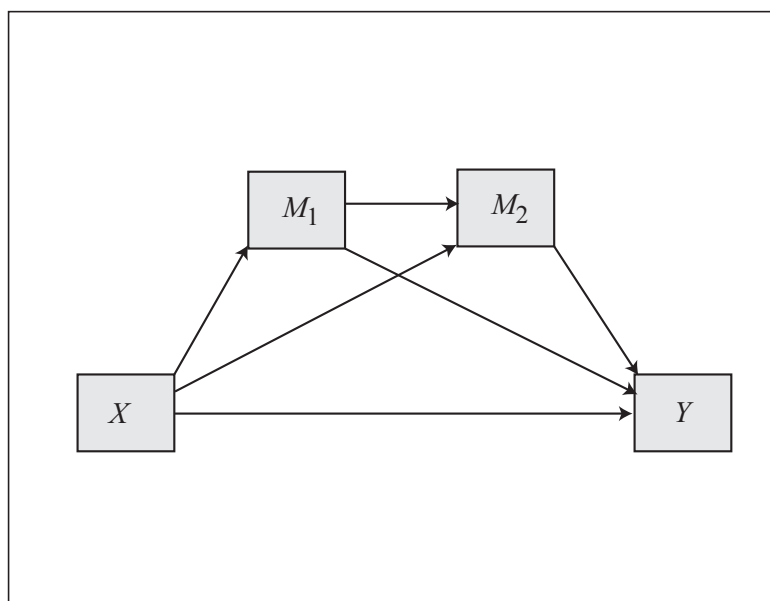
Conditional direct effect of X on $Y = c_1' + c_3'W$

*Model 5 allows up to 10 mediators operating in parallel

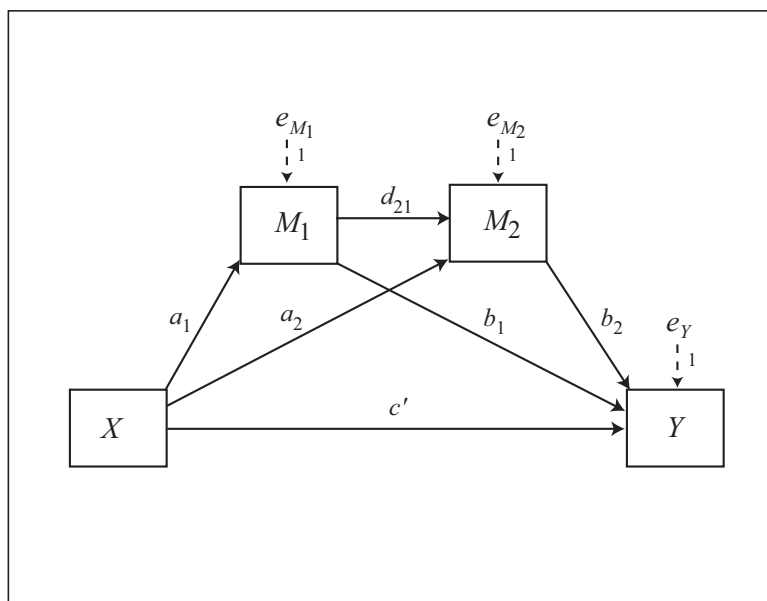
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Model 6 (2 mediators)

Conceptual Diagram



Statistical Diagram



Indirect effect of X on Y through M_i only = $a_i b_i$

Indirect effect of X on Y through M_1 and M_2 in serial = $a_1 d_{21} b_2$

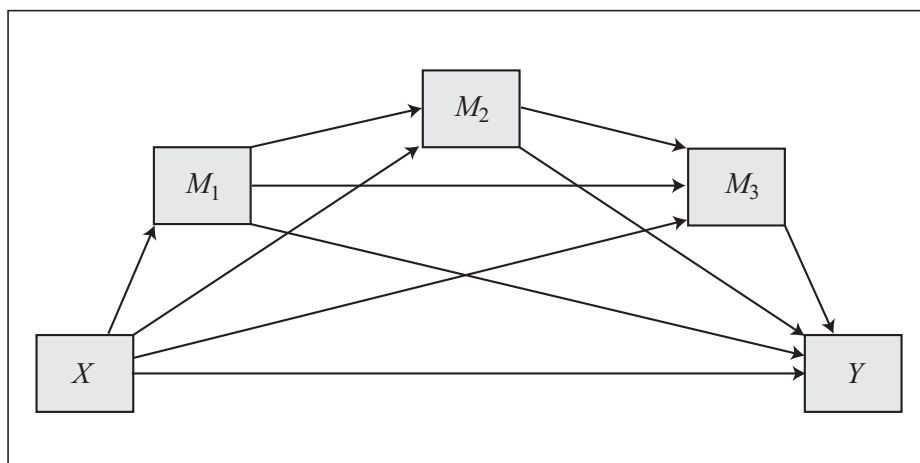
Direct effect of X on Y = c'

Note: Model 6 allows up to 4 mediators operating in serial.

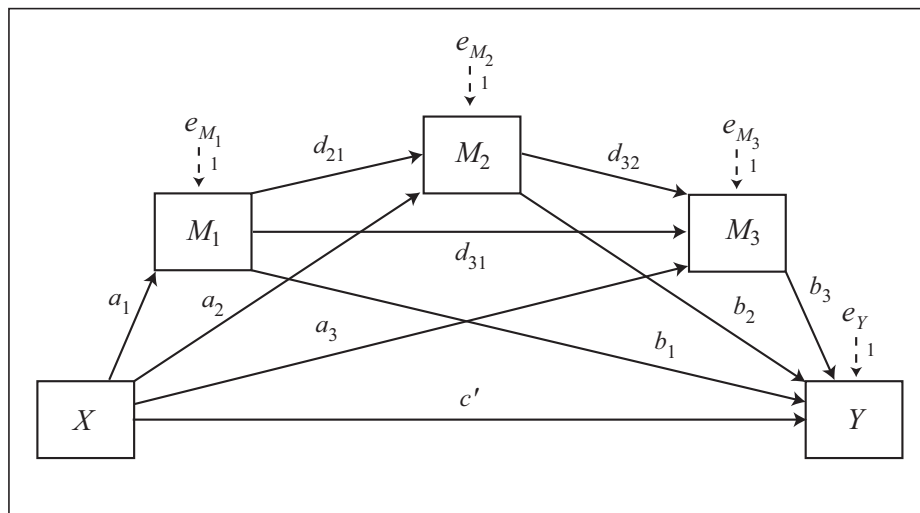
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Model 6 (3 mediators)

Conceptual Diagram



Statistical Diagram



Indirect effect of X on Y through M_i only = $a_i b_i$

Indirect effect of X on Y through M_1 and M_2 in serial = $a_1 d_{21} b_2$

Indirect effect of X on Y through M_1 and M_3 in serial = $a_1 d_{31} b_3$

Indirect effect of X on Y through M_2 and M_3 in serial = $a_2 d_{32} b_3$

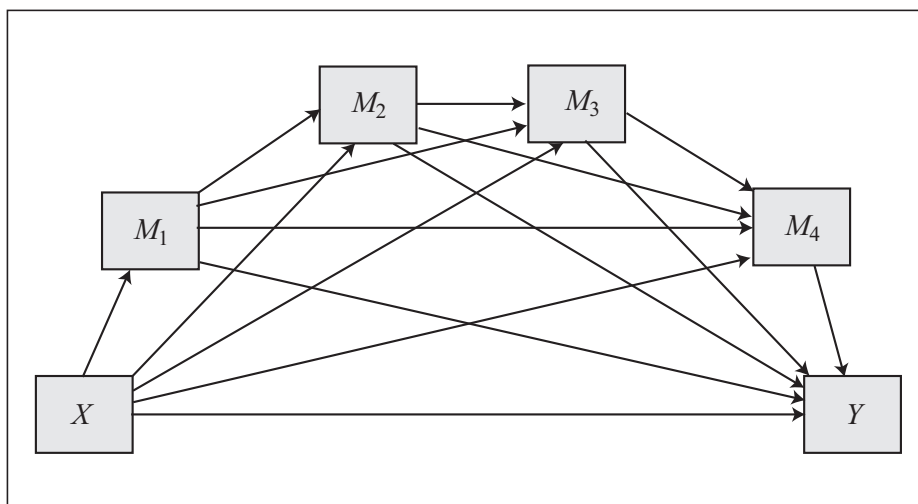
Indirect effect of X on Y through M_1 , M_2 , and M_3 in serial = $a_1 d_{21} d_{32} b_3$

Direct effect of X on $Y = c'$

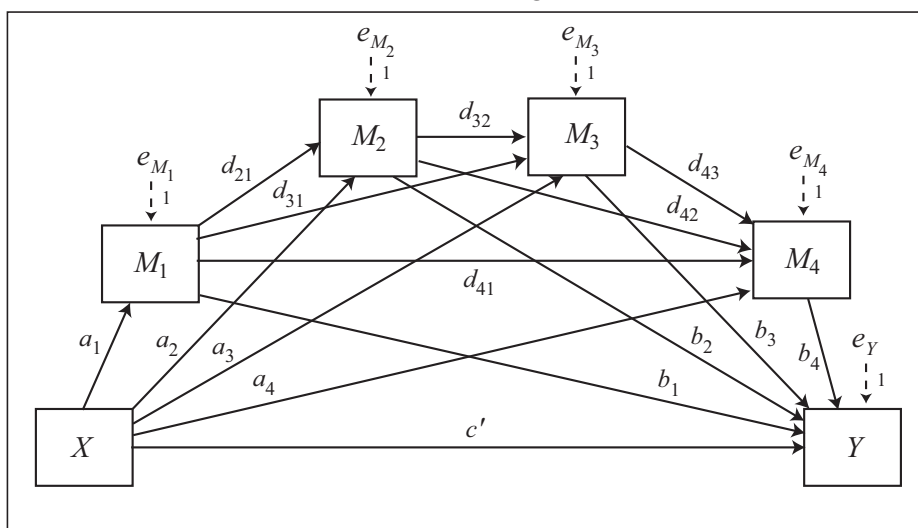
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Model 6 (4 mediators)

Conceptual Diagram



Statistical Diagram



Indirect effect of X on Y through M_i only = $a_i b_i$

Indirect effect of X on Y through M_1 and M_2 in serial = $a_1 d_{21} b_2$

Indirect effect of X on Y through M_1 and M_3 in serial = $a_1 d_{31} b_3$

Indirect effect of X on Y through M_1 and M_4 in serial = $a_1 d_{41} b_4$

Indirect effect of X on Y through M_2 and M_3 in serial = $a_2 d_{32} b_3$

Indirect effect of X on Y through M_2 and M_4 in serial = $a_2 d_{42} b_4$

Indirect effect of X on Y through M_3 and M_4 in serial = $a_3 d_{43} b_4$

Indirect effect of X on Y through M_1 , M_2 , and M_3 in serial = $a_1 d_{21} d_{32} b_3$

Indirect effect of X on Y through M_1 , M_2 , and M_4 in serial = $a_1 d_{21} d_{42} b_4$

Indirect effect of X on Y through M_1 , M_3 , and M_4 in serial = $a_1 d_{31} d_{43} b_4$

Indirect effect of X on Y through M_2 , M_3 , and M_4 in serial = $a_2 d_{32} d_{43} b_4$

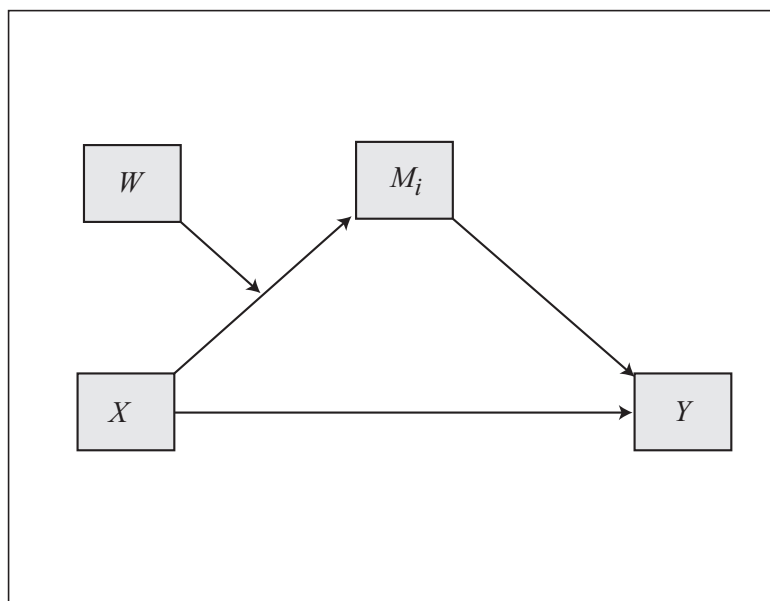
Indirect effect of X on Y through M_1 , M_2 , M_3 , and M_4 in serial = $a_1 d_{21} d_{32} d_{43} b_4$

Direct effect of X on Y = c'

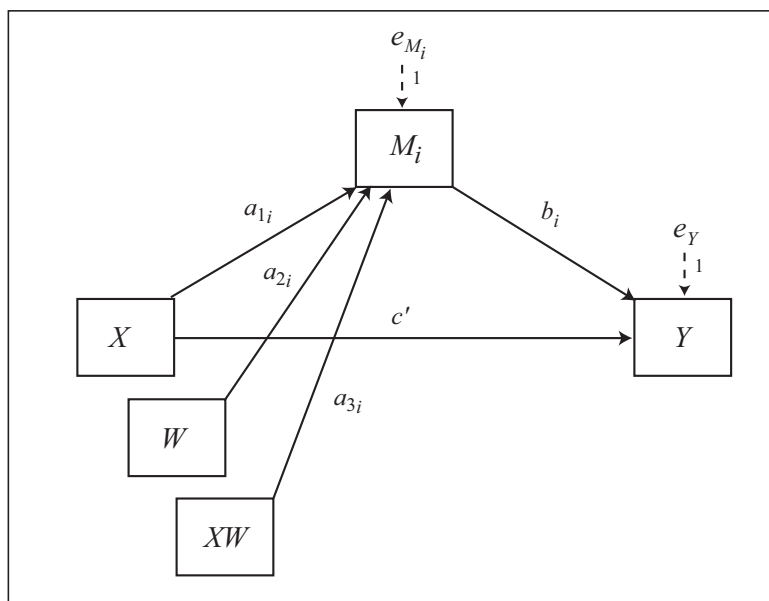
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Model 7

Conceptual Diagram



Statistical Diagram



Conditional indirect effect of X on Y through $M_i = (a_{1i} + a_{3i}W)b_i$

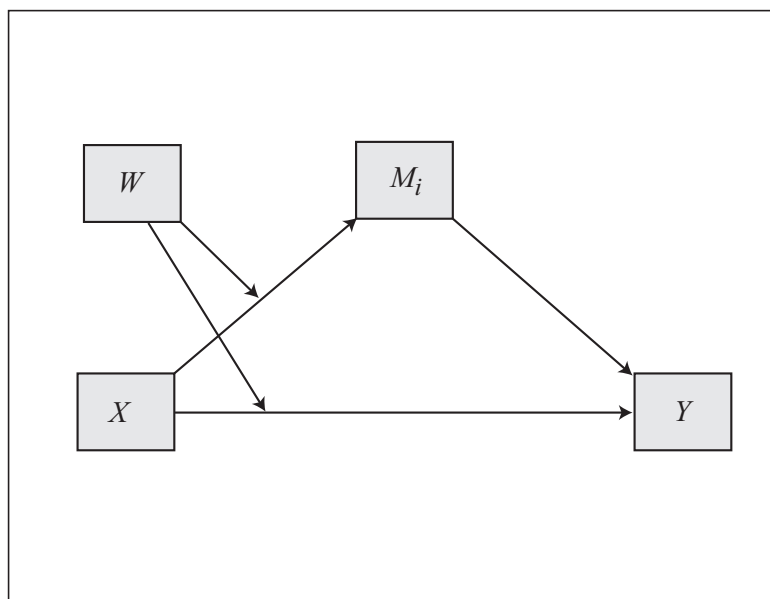
Direct effect of X on $Y = c'$

Note: Model 7 allows up to 10 mediators operating in parallel.

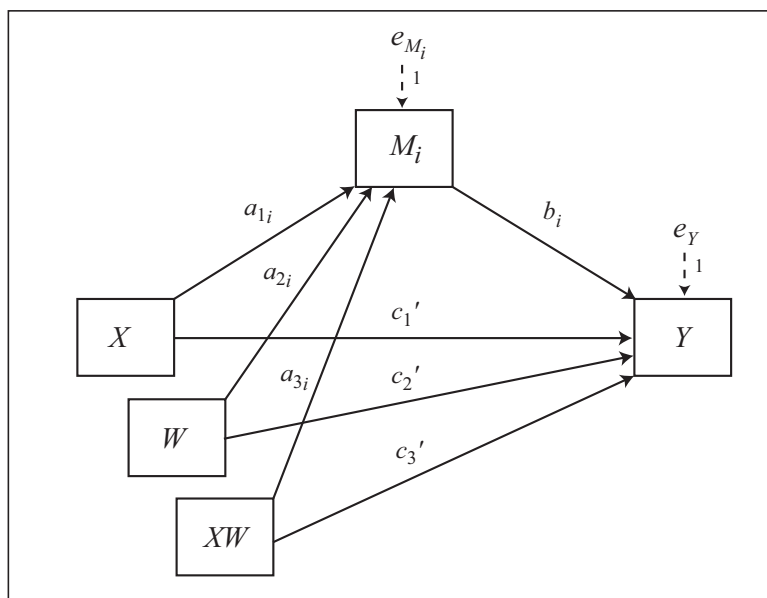
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Model 8

Conceptual Diagram



Statistical Diagram



Conditional indirect effect of X on Y through $M_i = (a_{1i} + a_{3i}W)b_i$

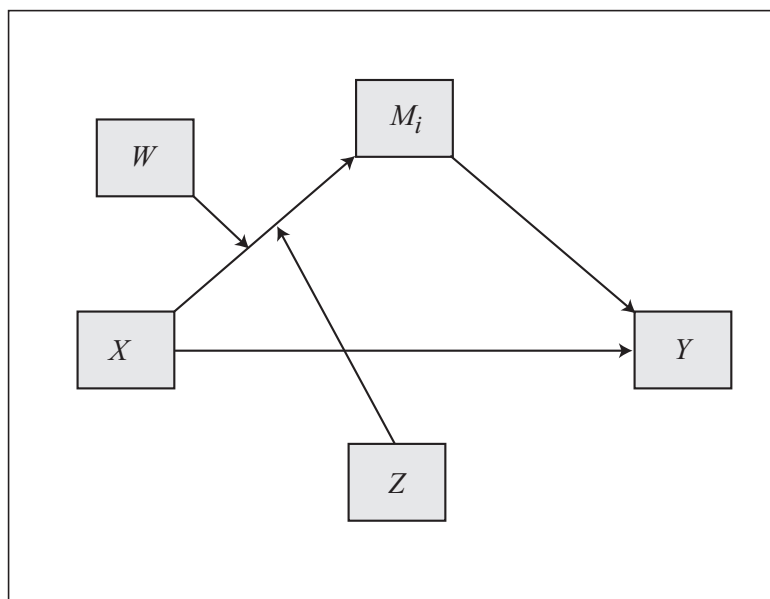
Conditional direct effect of X on $Y = c_1' + c_3'W$

Note: Model 8 allows up to 10 mediators operating in parallel.

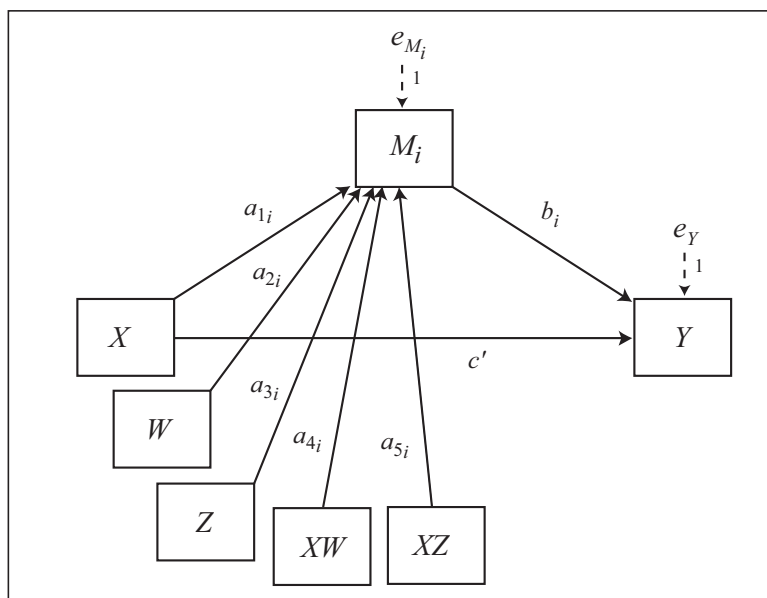
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Model 9

Conceptual Diagram



Statistical Diagram



Conditional indirect effect of X on Y through $M_i = (a_{1i} + a_{4i}W + a_{5i}Z) b_i$

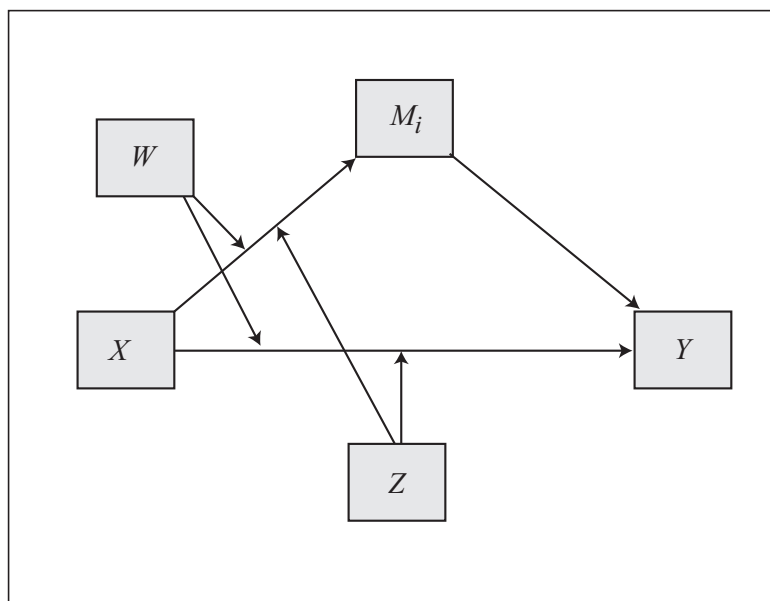
Direct effect of X on $Y = c'$

*Model 9 allows up to 10 mediators operating in parallel

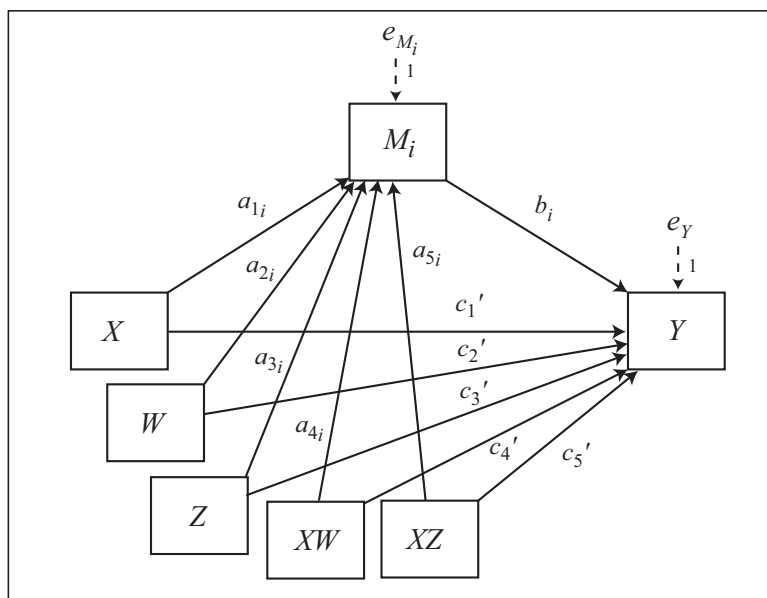
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Model 10

Conceptual Diagram



Statistical Diagram



Conditional indirect effect of X on Y through $M_i = (a_{1i} + a_{4i}W + a_{5i}Z) b_i$

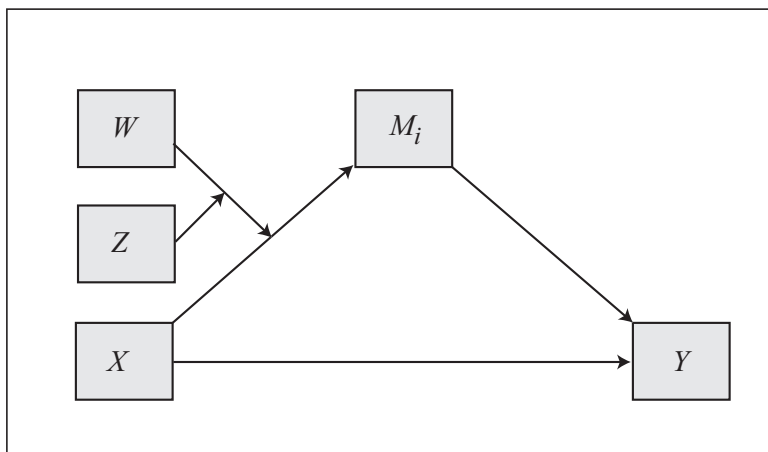
Conditional direct effect of X on $Y = c_1' + c_4'W + c_5'Z$

*Model 10 allows up to 10 mediators operating in parallel

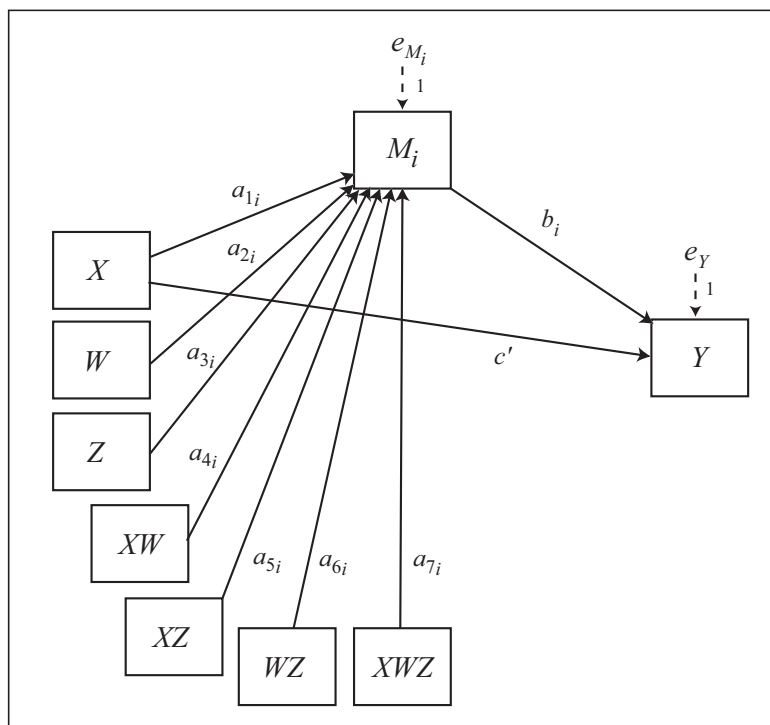
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Model 11

Conceptual Diagram



Statistical Diagram



Conditional indirect effect of X on Y through $M_i = (a_{1i} + a_{4i}W + a_{5i}Z + a_{7i}WZ) b_i$

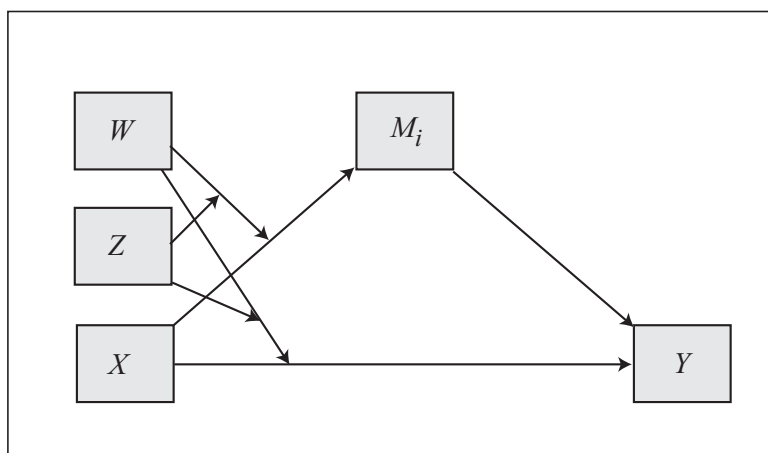
Direct effect of X on $Y = c'$

*Model 11 allows up to 10 mediators operating in parallel

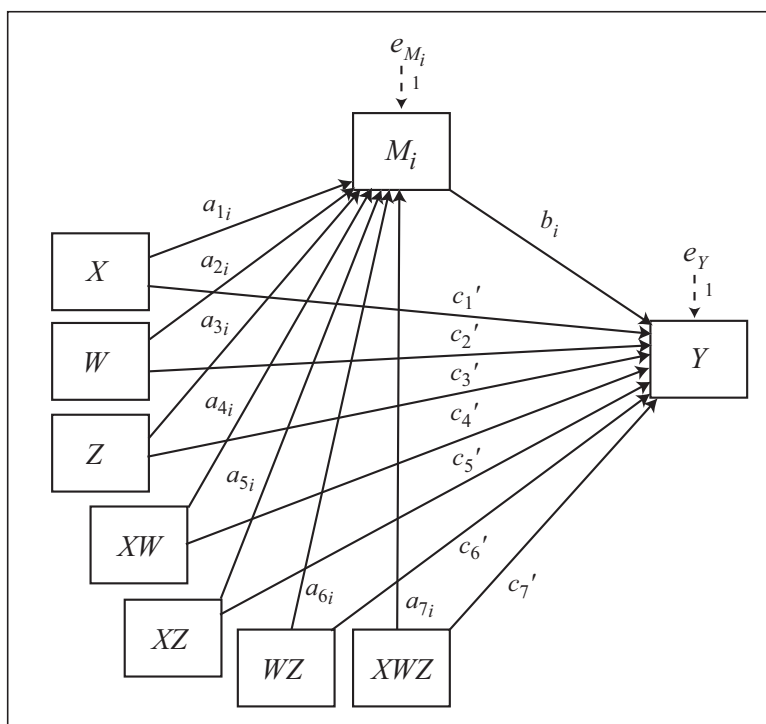
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Model 12

Conceptual Diagram



Statistical Diagram



Conditional indirect effect of X on Y through $M_i = (a_{1i} + a_{4i}W + a_{5i}Z + a_{7i}WZ) b_i$

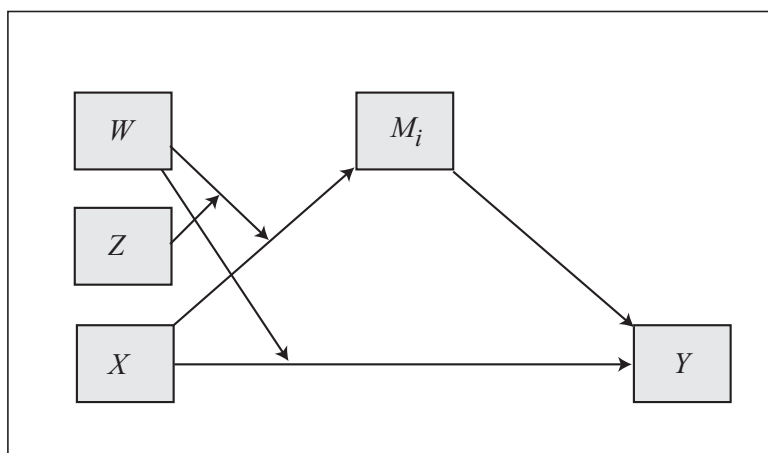
Conditional direct effect of X on $Y = c_1' + c_4'W + c_5'Z + c_7'WZ$

Note: Model 12 allows up to 10 mediators operating in parallel.

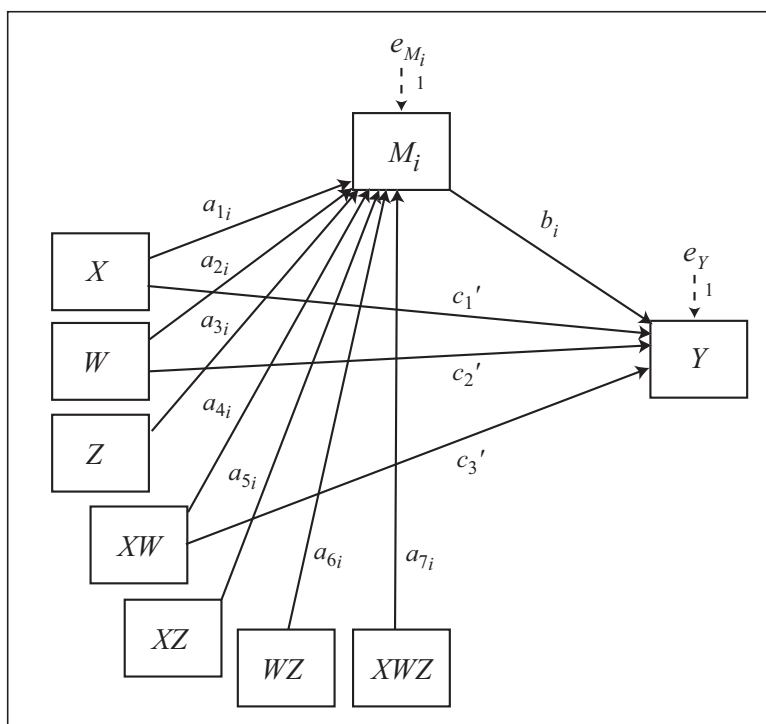
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Model 13

Conceptual Diagram



Statistical Diagram



Conditional indirect effect of X on Y through M_i = (a_{1i} + a_{4i}W + a_{5i}Z + a_{7i}WZ) b_i

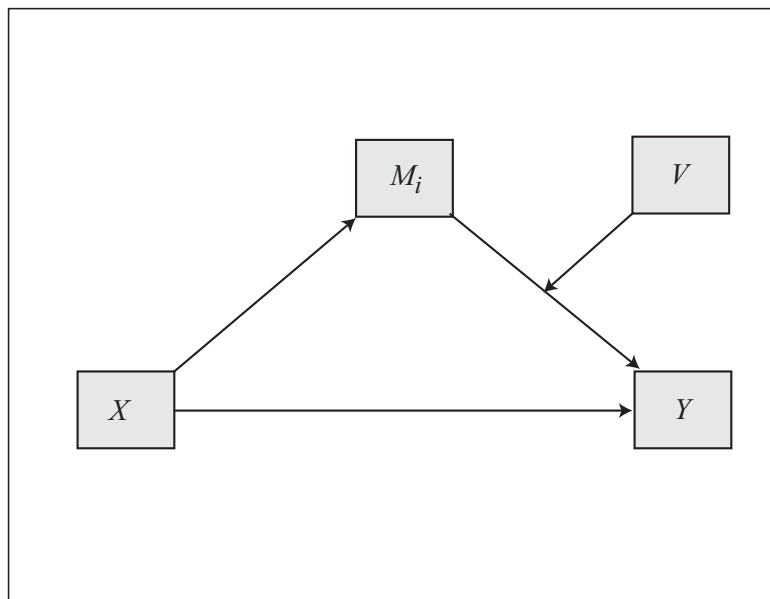
Conditional direct effect of X on Y = c_{1'} + c_{3'}W

*Model 13 allows up to 10 mediators operating in parallel

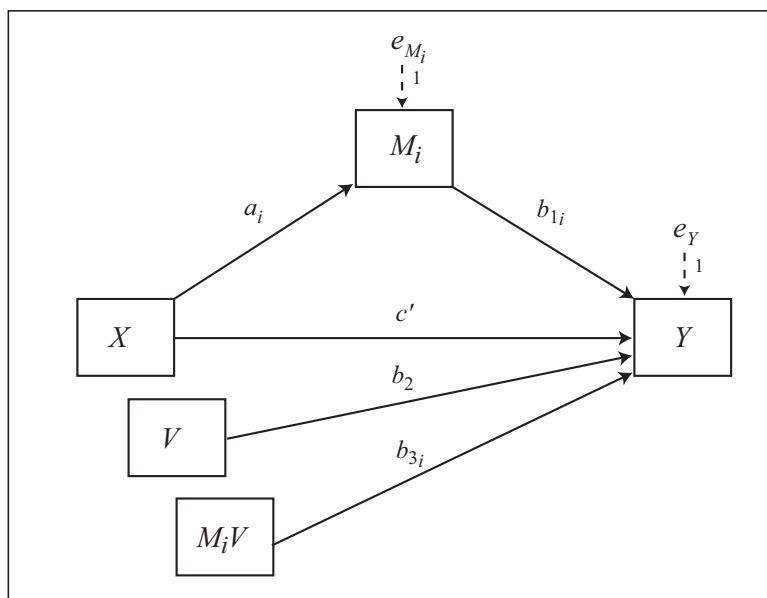
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Model 14

Conceptual Diagram



Statistical Diagram



Conditional indirect effect of X on Y through $M_i = a_i (b_{1i} + b_{3i}V)$

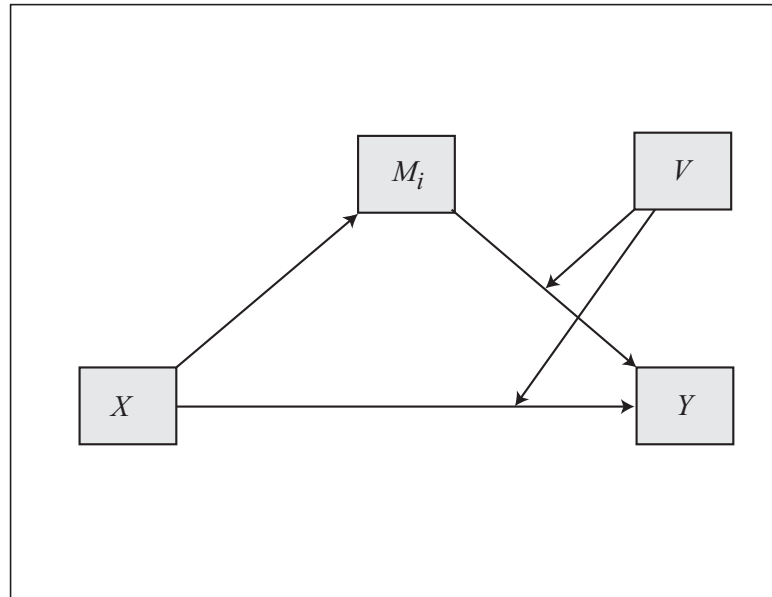
Direct effect of X on $Y = c'$

Note: Model 14 allows up to 10 mediators operating in parallel.

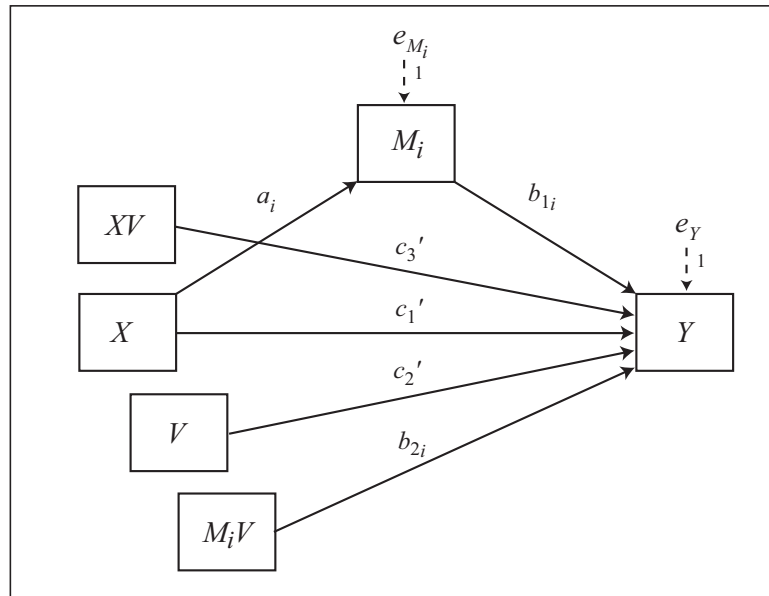
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Model 15

Conceptual Diagram



Statistical Diagram



Conditional indirect effect of X on Y through $M_i = a_i (b_{1i} + b_{2i}V)$

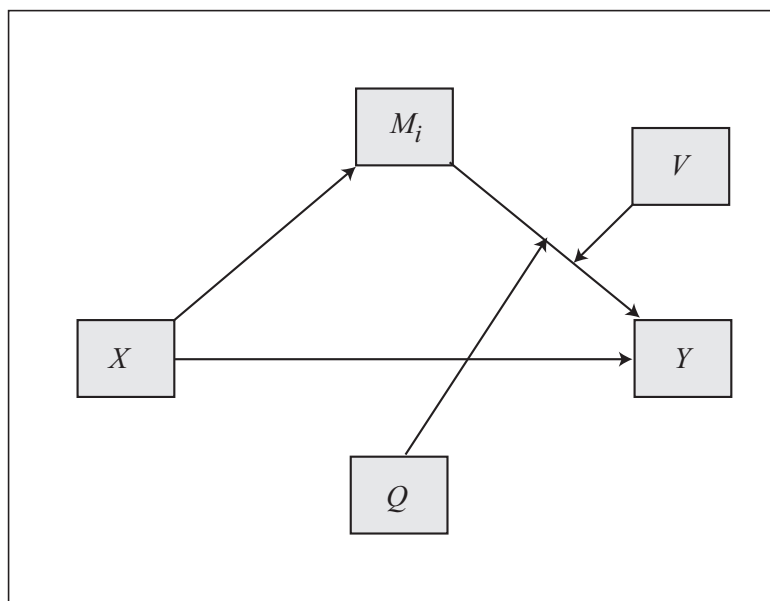
Conditional direct effect of X on $Y = c_1' + c_3'V$

Note: Model 15 allows up to 10 mediators operating in parallel.

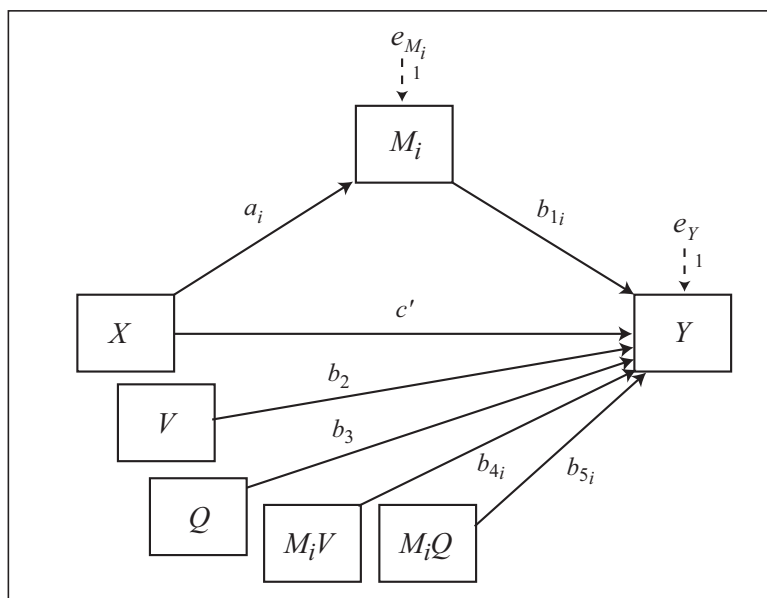
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Model 16

Conceptual Diagram



Statistical Diagram



Conditional indirect effect of X on Y through $M_i = a_i (b_{1i} + b_{4i}V + b_{5i}Q)$

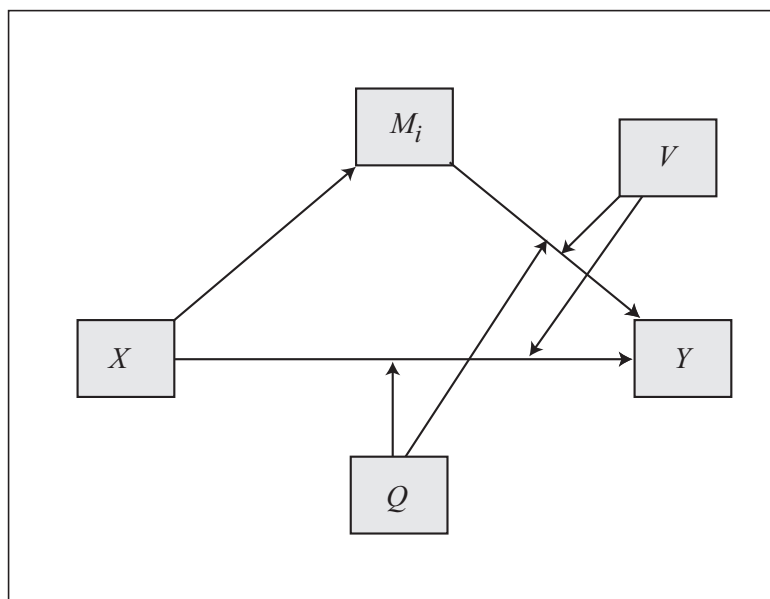
Direct effect of X on $Y = c'$

*Model 16 allows up to 10 mediators operating in parallel

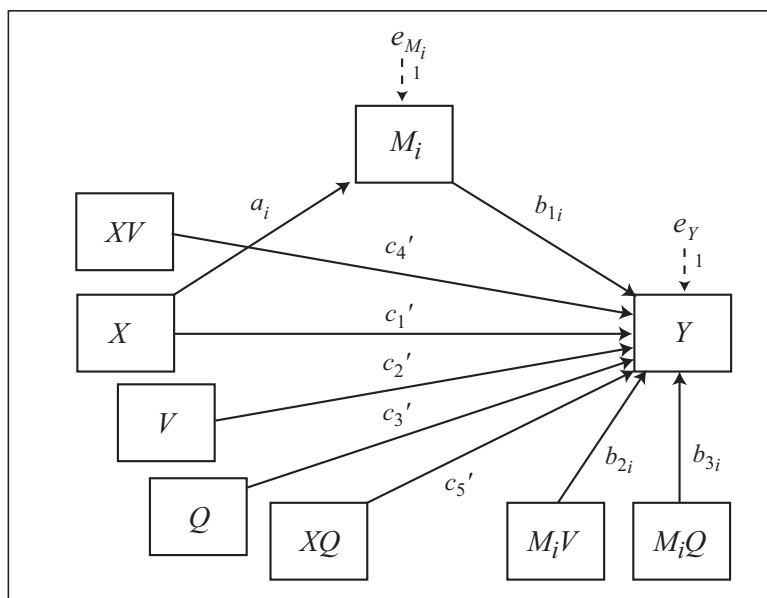
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Model 17

Conceptual Diagram



Statistical Diagram



Conditional indirect effect of X on Y through $M_i = a_i (b_{1i} + b_{2i}V + b_{3i}Q)$

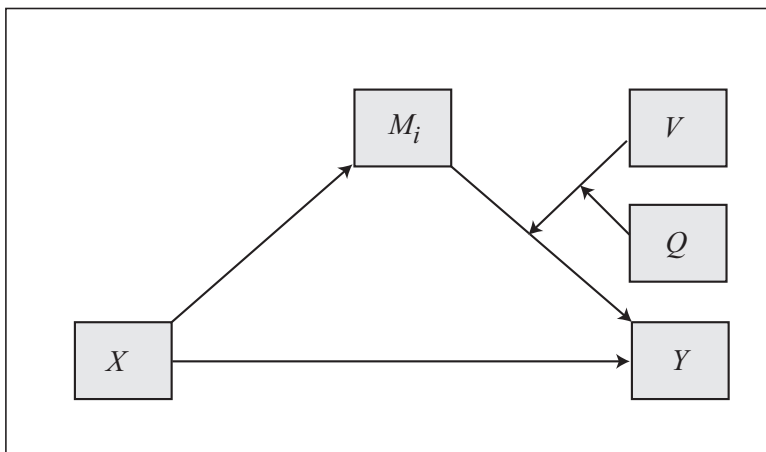
Conditional direct effect of X on $Y = c_1' + c_4'V + c_5'Q$

*Model 17 allows up to 10 mediators operating in parallel

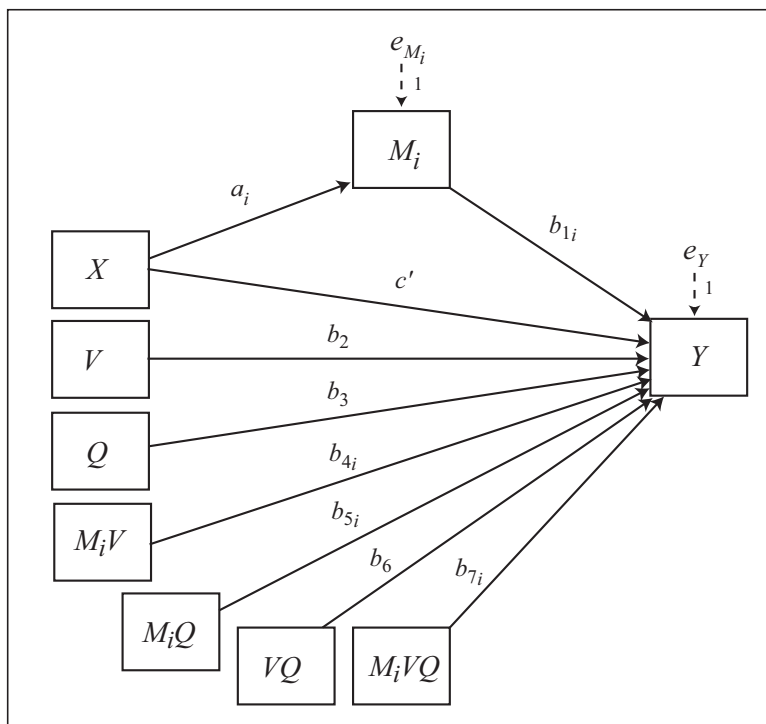
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Model 18

Conceptual Diagram



Statistical Diagram



Conditional indirect effect of X on Y through $M_i = a_i(b_{1i} + b_{4i}V + b_{5i}Q + b_{7i}VQ)$

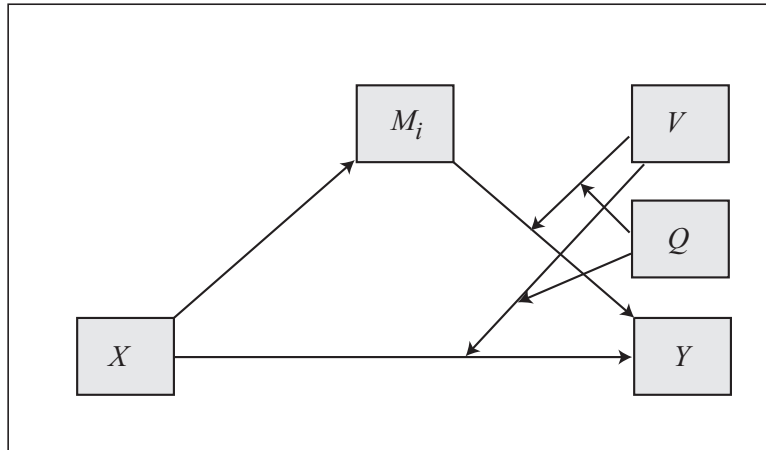
Direct effect of X on $Y = c'$

*Model 18 allows up to 10 mediators operating in parallel

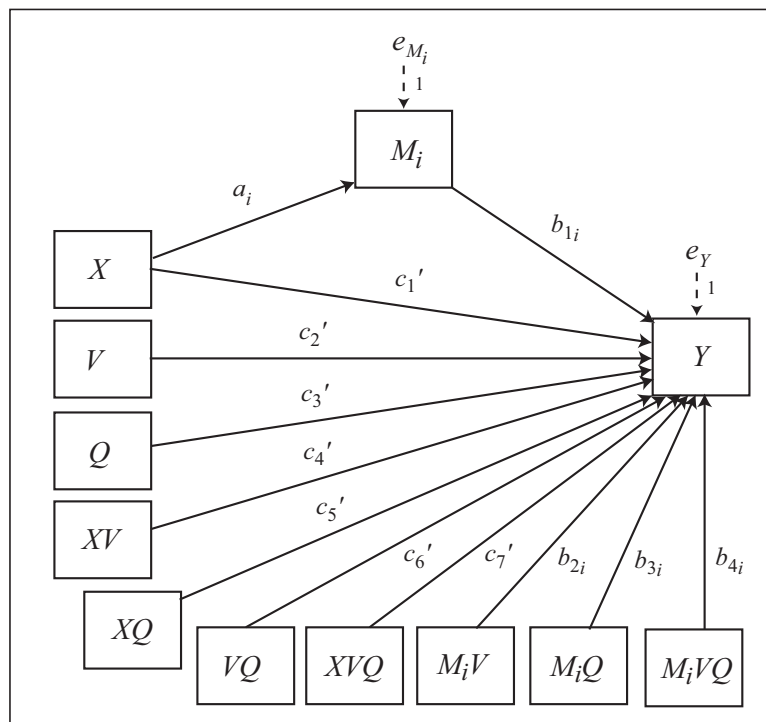
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Model 19

Conceptual Diagram



Statistical Diagram



Conditional indirect effect of X on Y through $M_i = a_i(b_{1i} + b_{2i}V + b_{3i}Q + b_{4i}VQ)$

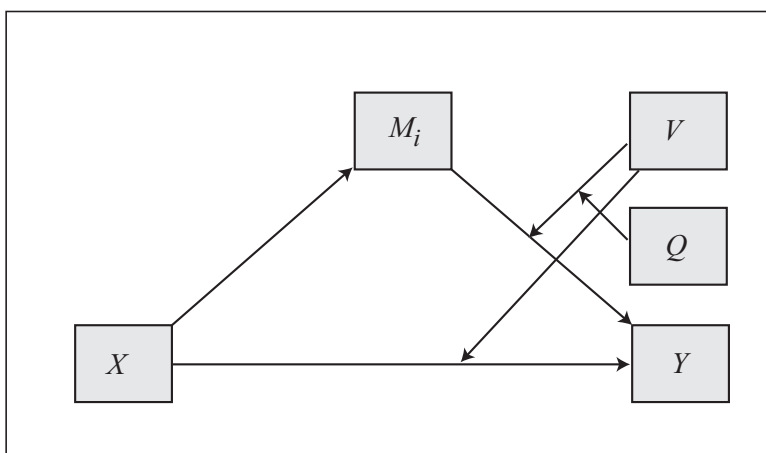
Conditional direct effect of X on $Y = c_1' + c_4'V + c_5'Q + c_7'VQ$

*Model 19 allows up to 10 mediators operating in parallel

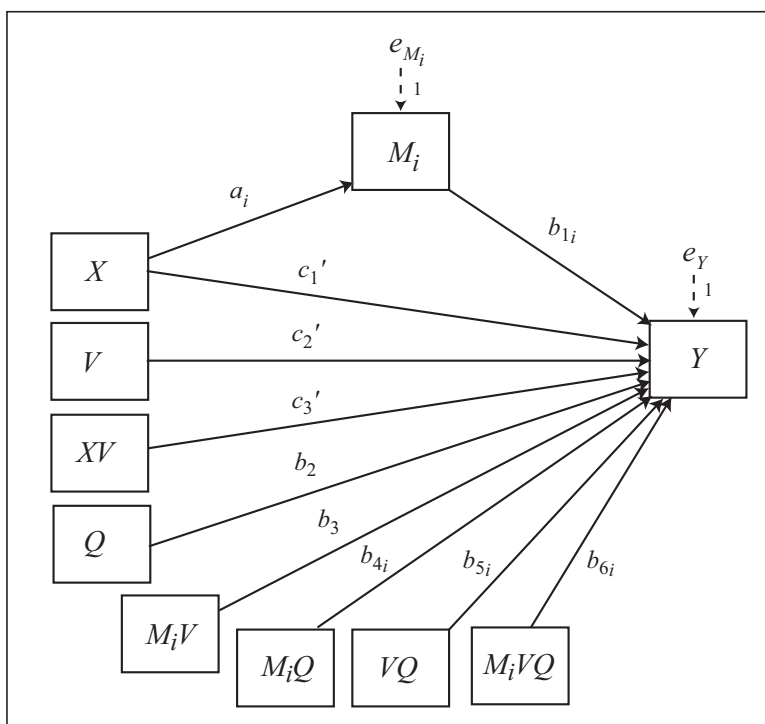
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Model 20

Conceptual Diagram



Statistical Diagram



Conditional indirect effect of X on Y through $M_i = a_i(b_{1i} + b_{3i}V + b_{4i}Q + b_{6i}VQ)$

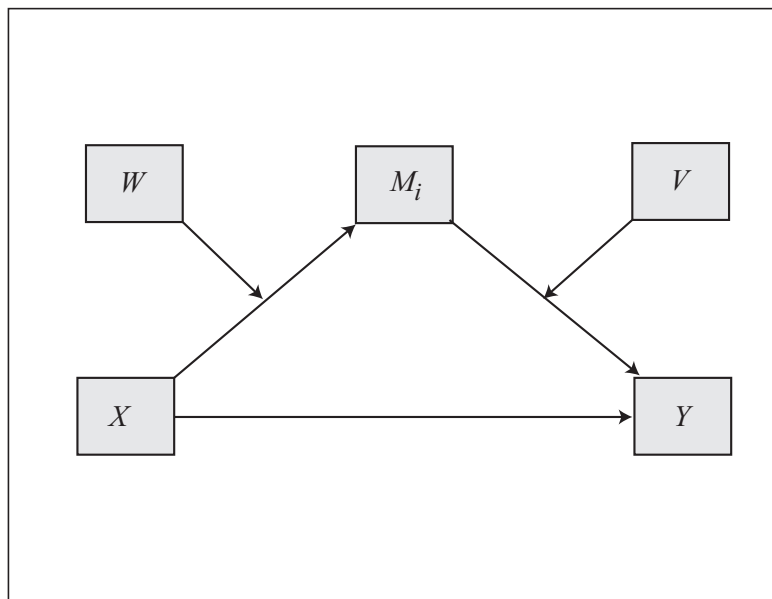
Conditional direct effect of X on $Y = c_1' + c_3'V$

*Model 20 allows up to 10 mediators operating in parallel

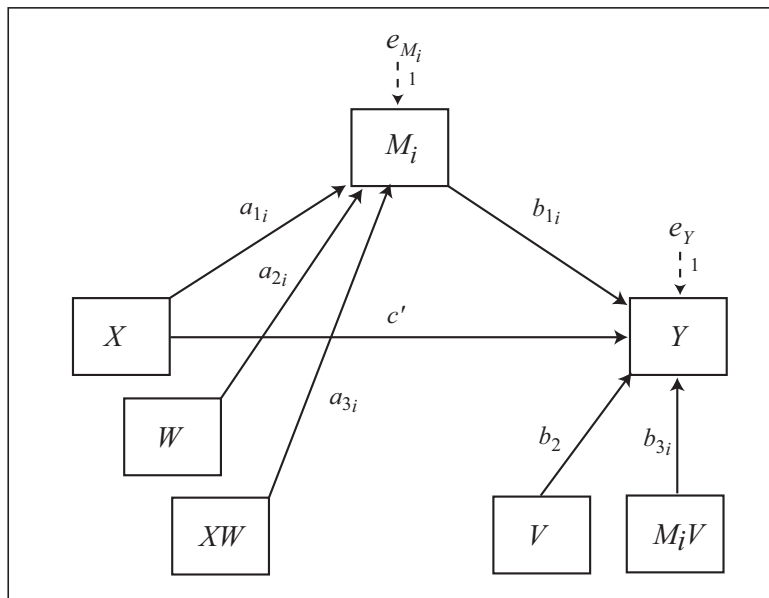
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Model 21

Conceptual Diagram



Statistical Diagram



Conditional indirect effect of X on Y through $M_i = (a_{1i} + a_{3i}W)(b_{1i} + b_{3i}V)$

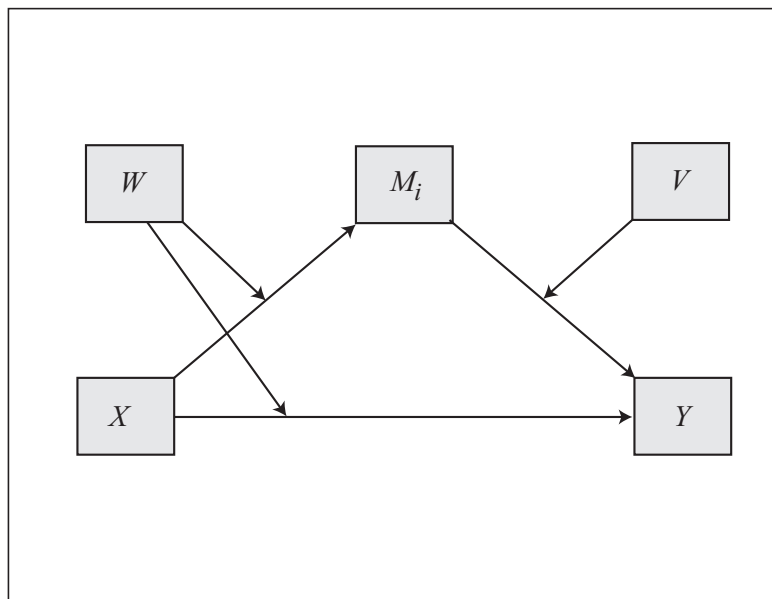
Direct effect of X on $Y = c'$

Note: Model 21 allows up to 10 mediators operating in parallel.

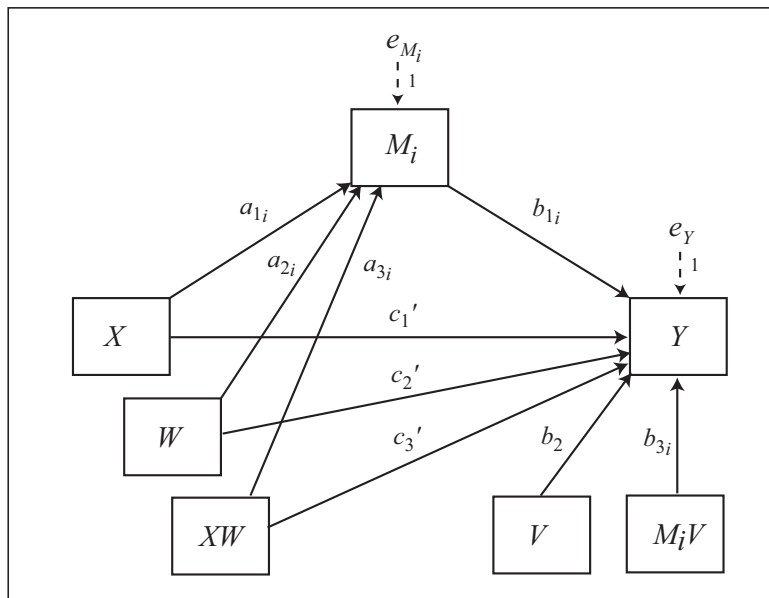
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Model 22

Conceptual Diagram



Statistical Diagram



Conditional indirect effect of X on Y through $M_i = (a_{1i} + a_{3i}W)(b_{1i} + b_{3i}V)$

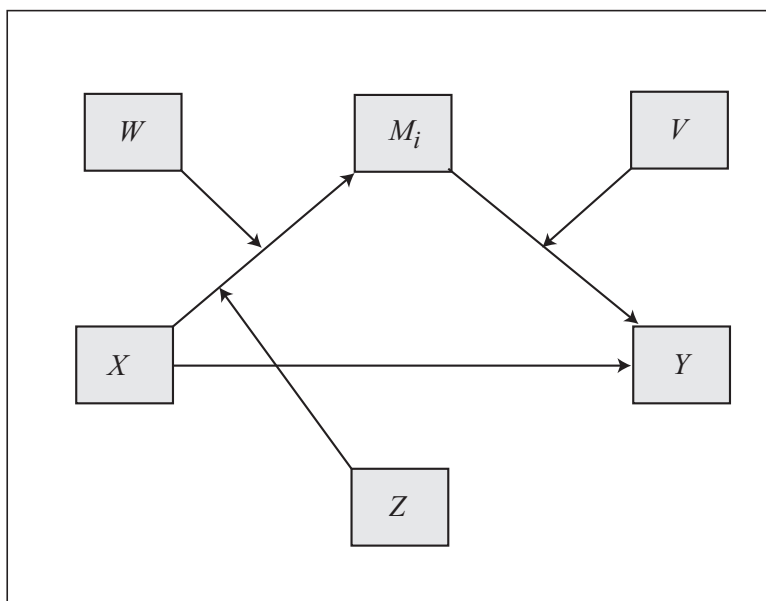
Conditional direct effect of X on $Y = c_1' + c_3'W$

Note: Model 22 allows up to 10 mediators operating in parallel.

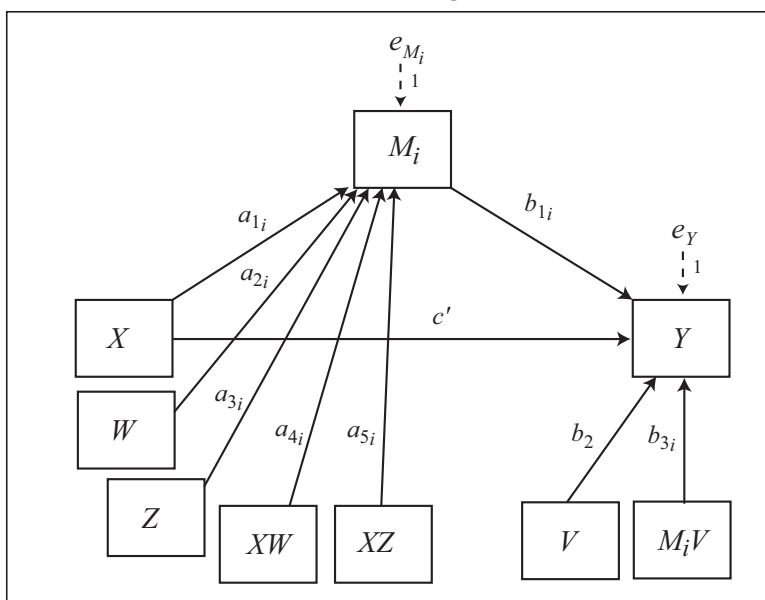
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Model 23

Conceptual Diagram



Statistical Diagram



Conditional indirect effect of X on Y through $M_i = (a_{1i} + a_{4i}W + a_{5i}Z)(b_{1i} + b_{3i}V)$

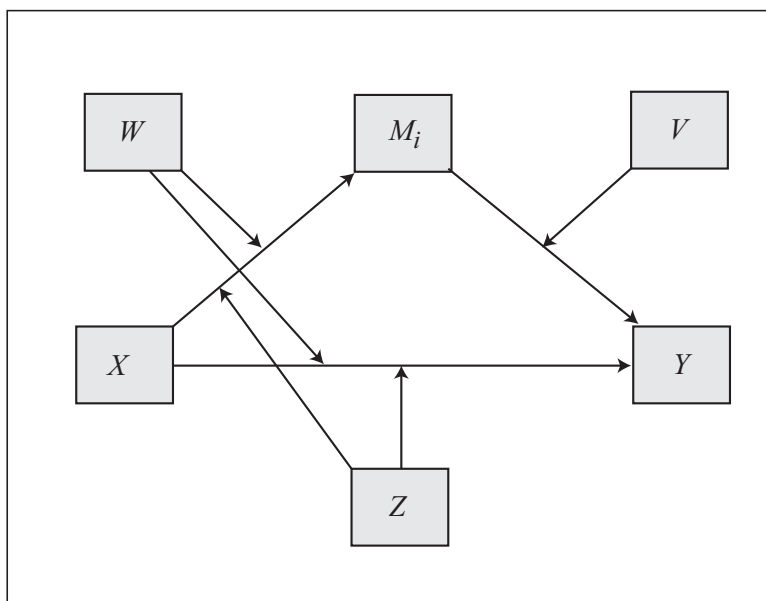
Direct effect of X on $Y = c'$

*Model 23 allows up to 10 mediators operating in parallel

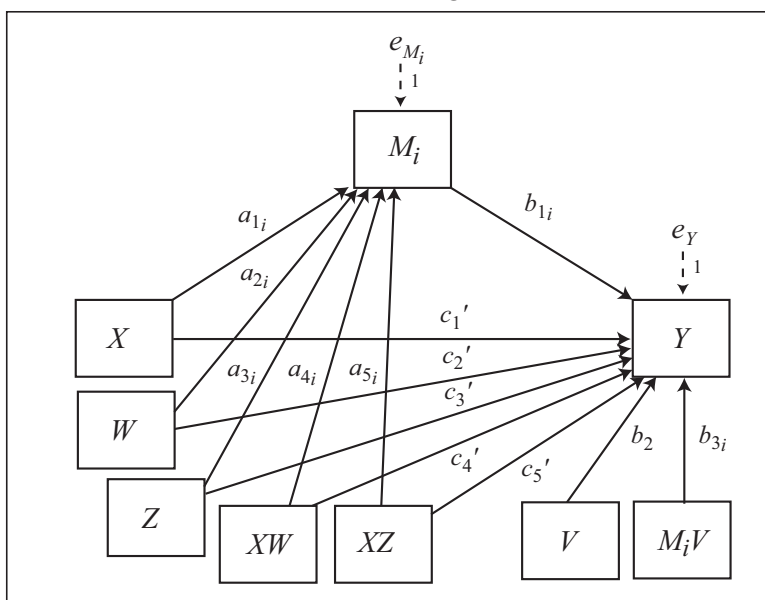
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Model 24

Conceptual Diagram



Statistical Diagram



Conditional indirect effect of X on Y through $M_i = (a_{1i} + a_{4i}W + a_{5i}Z)(b_{1i} + b_{3i}V)$

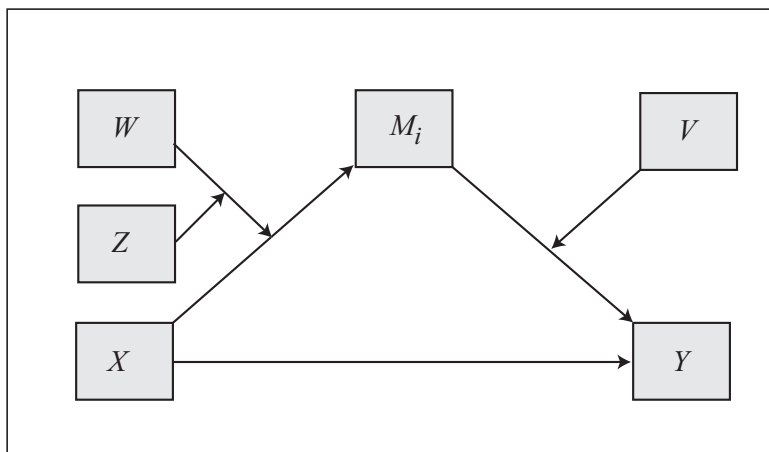
Conditional direct effect of X on $Y = c_{1'} + c_{4'}W + c_{5'}Z$

*Model 24 allows up to 10 mediators operating in parallel

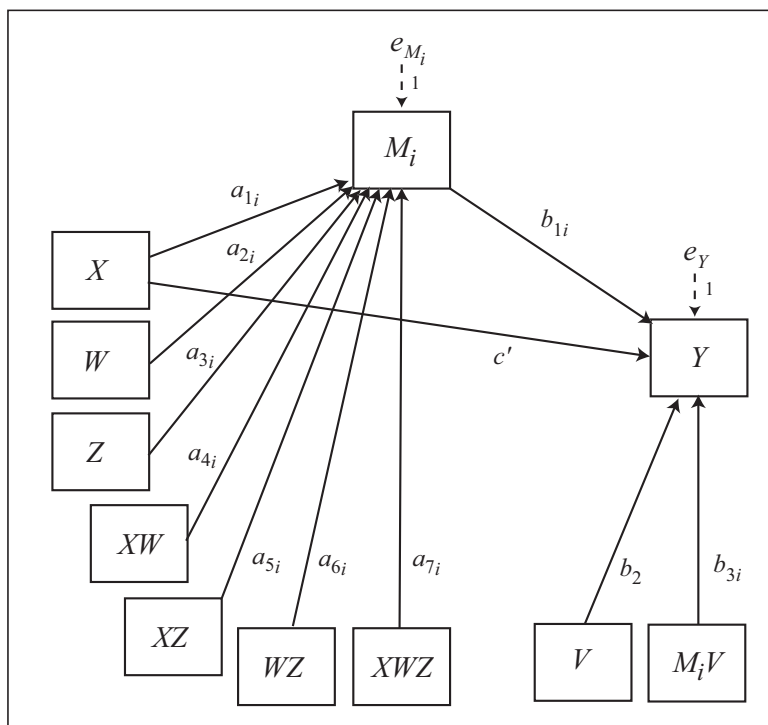
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Model 25

Conceptual Diagram



Statistical Diagram



Conditional indirect effect of X on Y through $M_i = (a_{1i} + a_{4i}W + a_{5i}Z + a_{7i}WZ)(b_{1i} + b_{3i}V)$

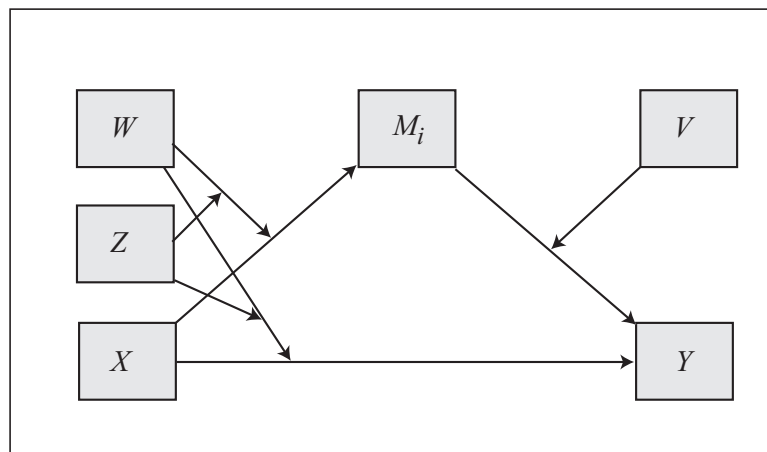
Direct effect of X on $Y = c'$

*Model 25 allows up to 10 mediators operating in parallel

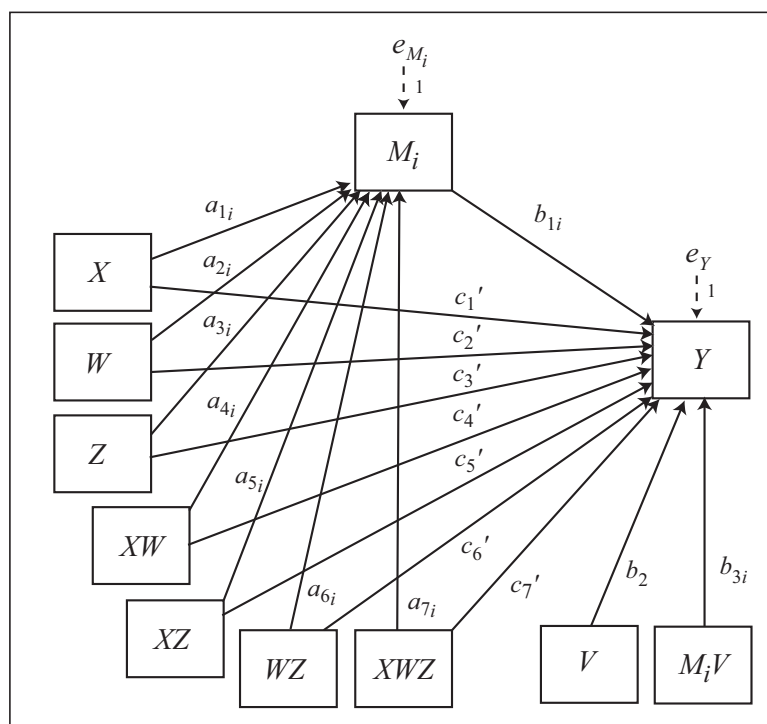
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Model 26

Conceptual Diagram



Statistical Diagram



Conditional indirect effect of X on Y through M_i = (a_{1i} + a_{4i}W + a_{5i}Z + a_{7i}WZ)(b_{1i} + b_{3i}V)

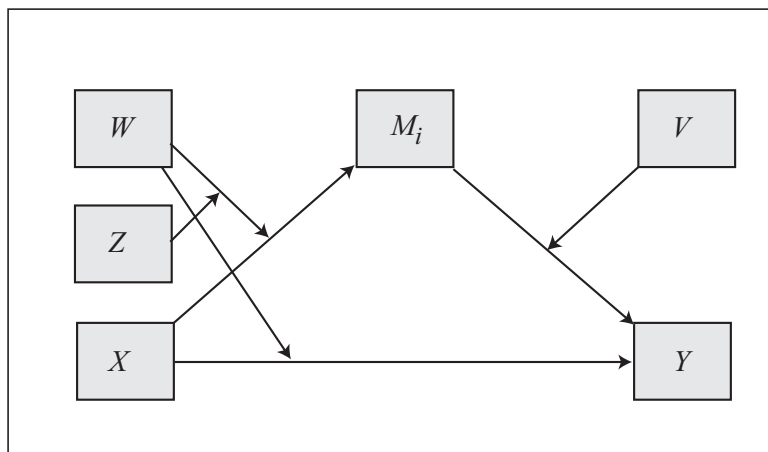
Conditional direct effect of X on Y = c_{1'} + c_{4'}W + c_{5'}Z + c_{7'}WZ

*Model 26 allows up to 10 mediators operating in parallel

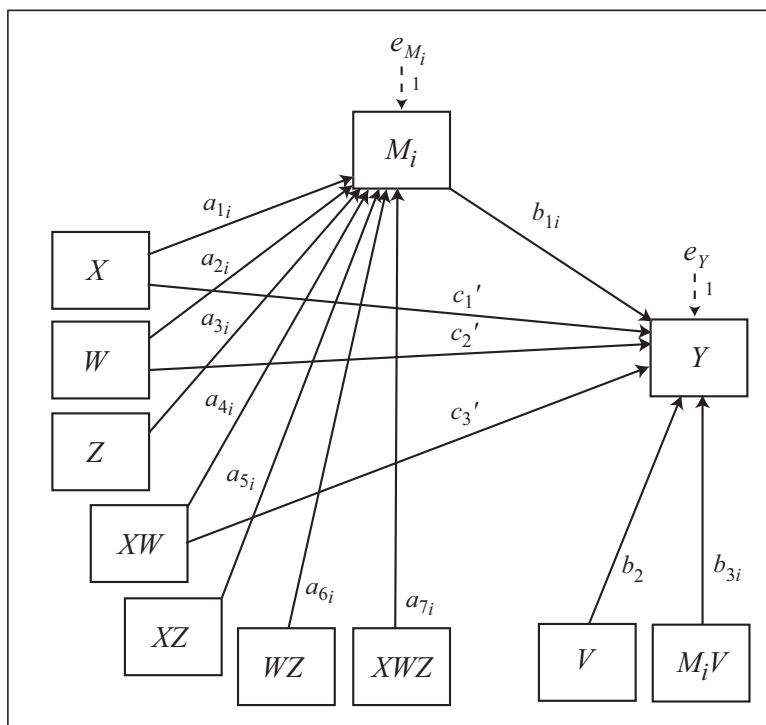
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Model 27

Conceptual Diagram



Statistical Diagram



Conditional indirect effect of X on Y through $M_i = (a_{1i} + a_{4i}W + a_{5i}Z + a_{7i}WZ)(b_{1i} + b_{3i}V)$

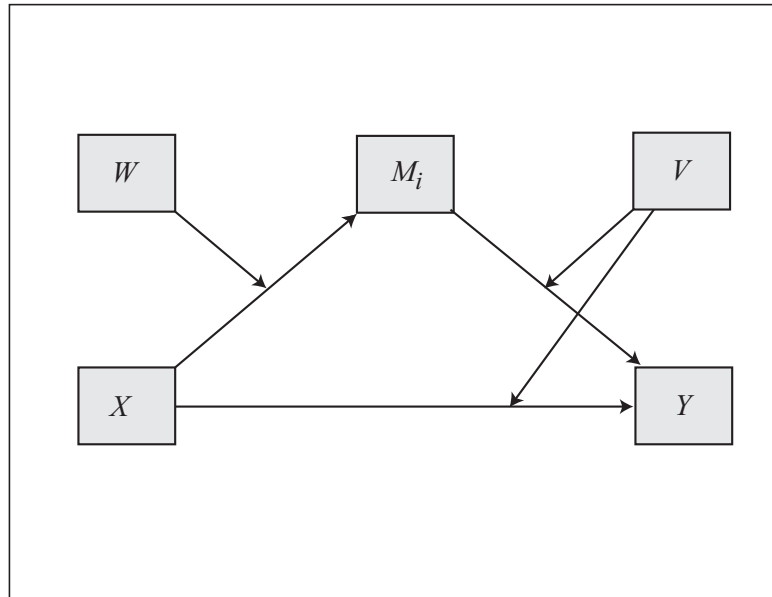
Conditional direct effect of X on $Y = c_1' + c_3'W$

*Model 27 allows up to 10 mediators operating in parallel

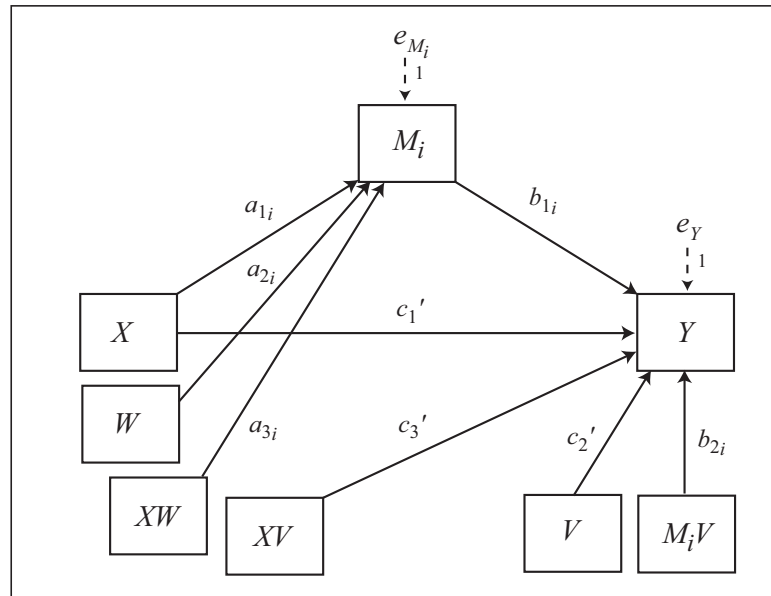
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Model 28

Conceptual Diagram



Statistical Diagram



Conditional indirect effect of X on Y through $M_i = (a_{1i} + a_{3i}W)(b_{1i} + b_{2i}V)$

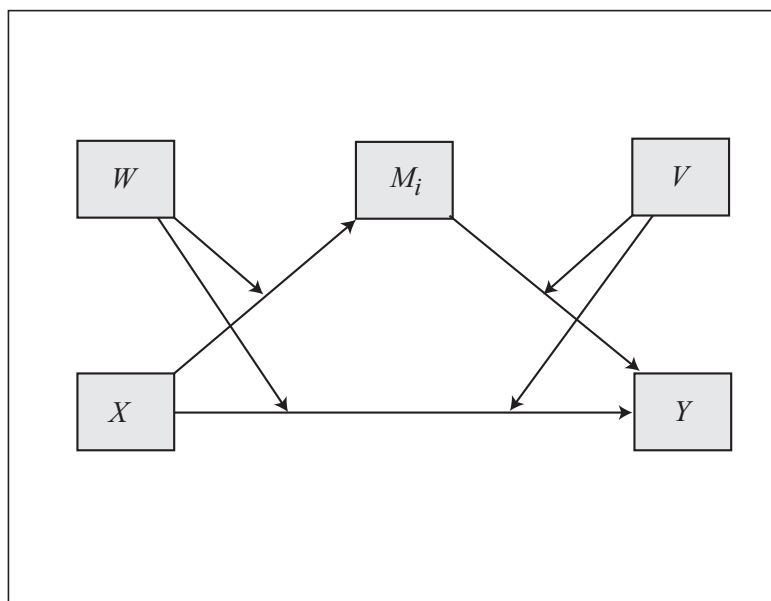
Conditional direct effect of X on $Y = c_{1'} + c_{3'}V$

*Model 28 allows up to 10 mediators operating in parallel

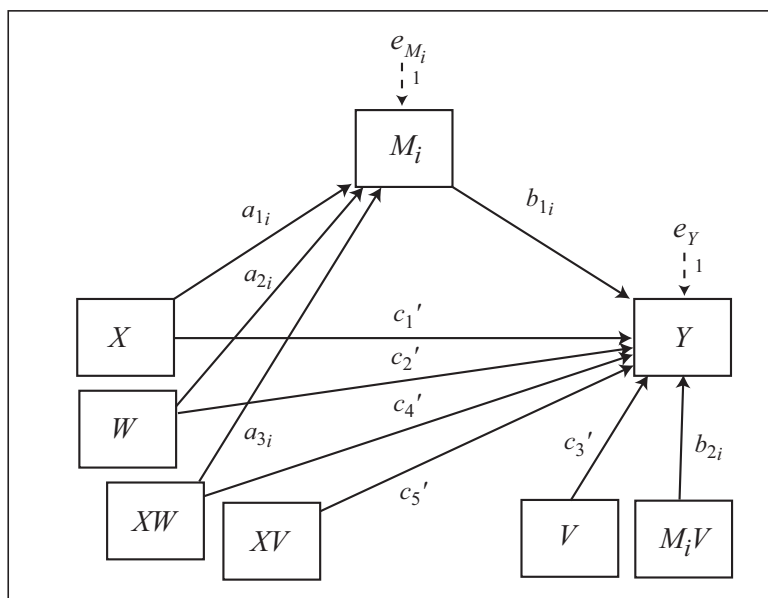
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Model 29

Conceptual Diagram



Statistical Diagram



Conditional indirect effect of X on Y through $M_i = (a_{1i} + a_{3i}W)(b_{1i} + b_{2i}V)$

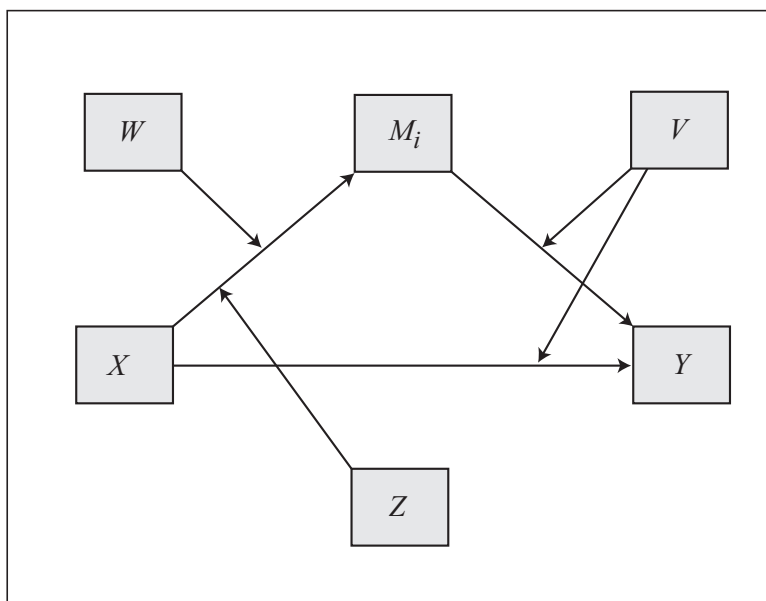
Conditional direct effect of X on $Y = c_1' + c_4'W + c_5'V$

*Model 29 allows up to 10 mediators operating in parallel

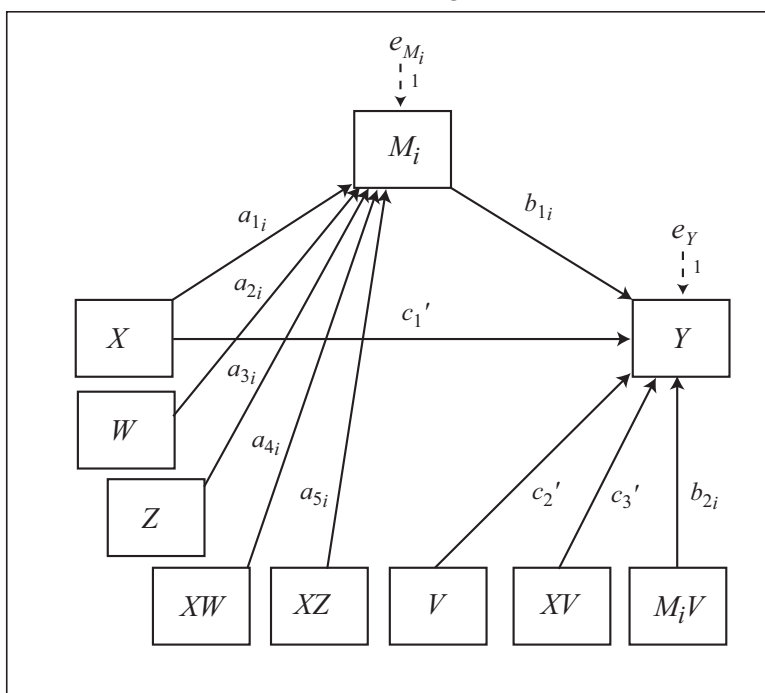
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Model 30

Conceptual Diagram



Statistical Diagram



Conditional indirect effect of X on Y through $M_i = (a_{1i} + a_{4i}W + a_{5i}Z)(b_{1i} + b_{2i}V)$

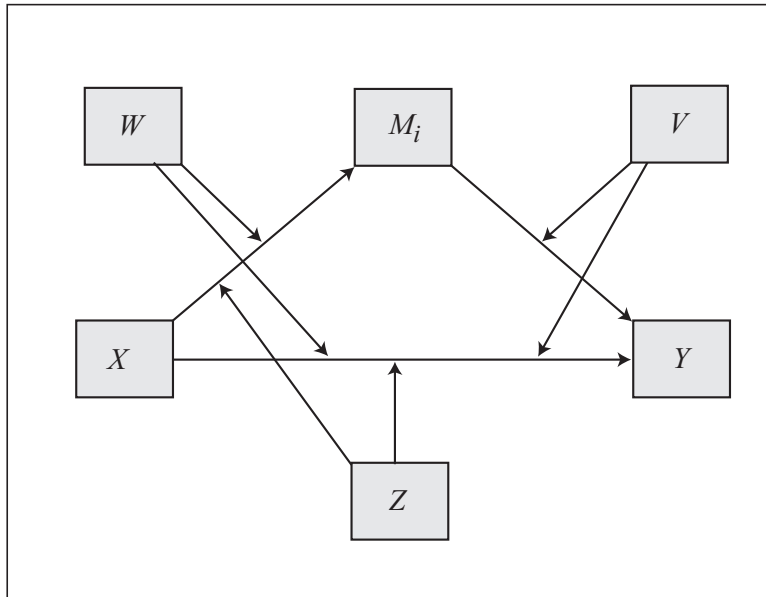
Conditional direct effect of X on $Y = c_{1'} + c_{3'}V$

*Model 30 allows up to 10 mediators operating in parallel

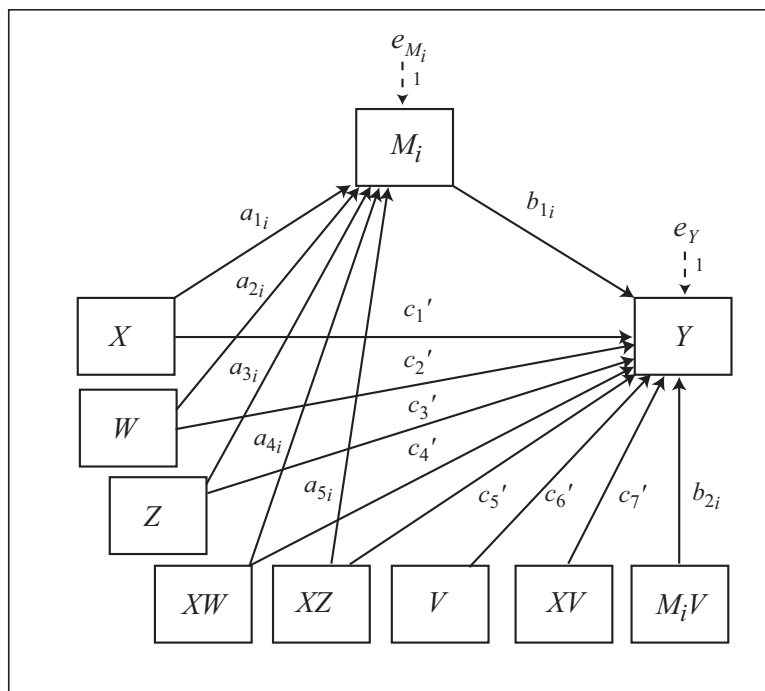
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Model 31

Conceptual Diagram



Statistical Diagram



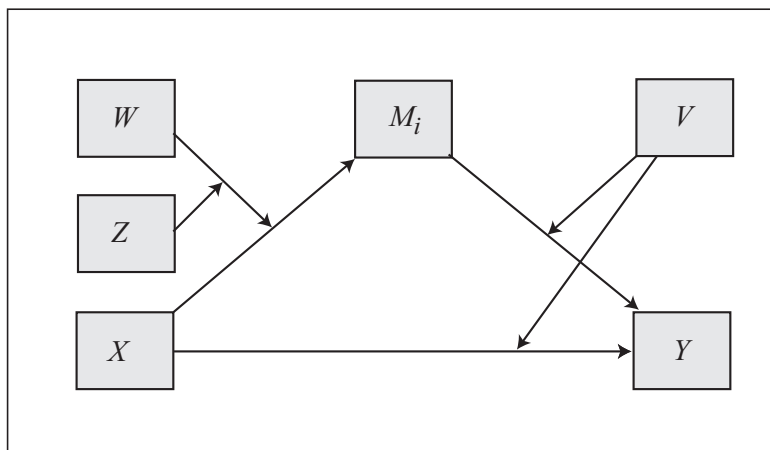
Conditional indirect effect of X on Y through $M_i = (a_{1i} + a_{4i}W + a_{5i}Z)(b_{1i} + b_{2i}V)$
 Conditional direct effect of X on $Y = c_1' + c_4'W + c_5'Z + c_7'V$

*Model 31 allows up to 10 mediators operating in parallel

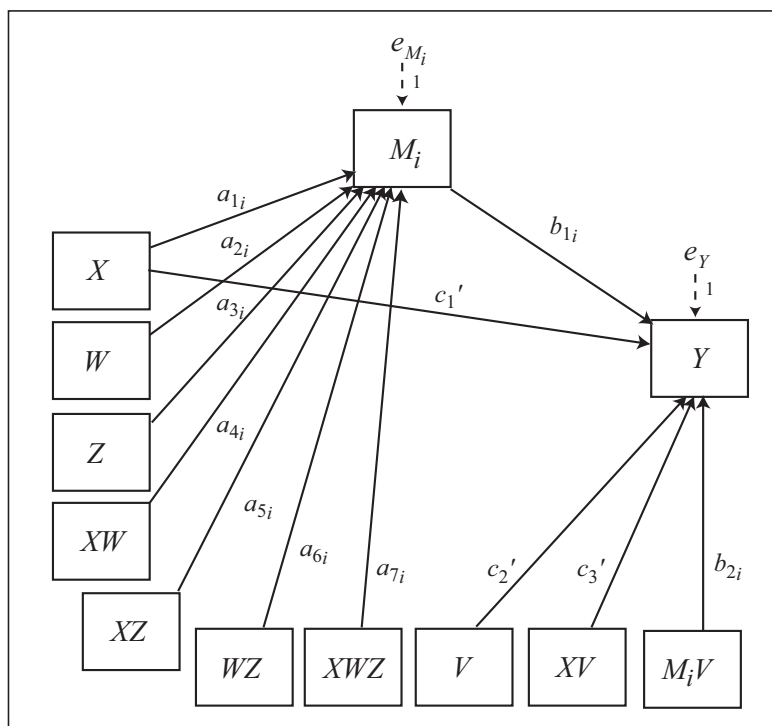
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Model 32

Conceptual Diagram



Statistical Diagram



Conditional indirect effect of X on Y through M_i = (a_{1i} + a_{4i}W + a_{5i}Z + a_{7i}WZ)(b_{1i} + b_{2i}V)

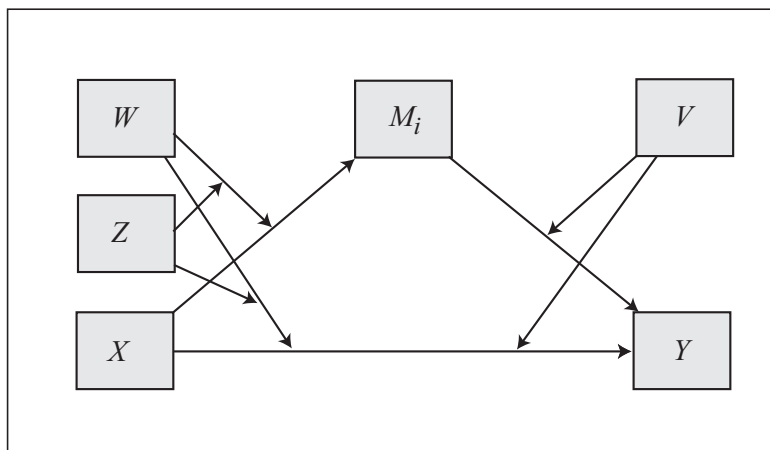
Conditional direct effect of X on Y = c_{1'} + c_{3'}V

*Model 32 allows up to 10 mediators operating in parallel

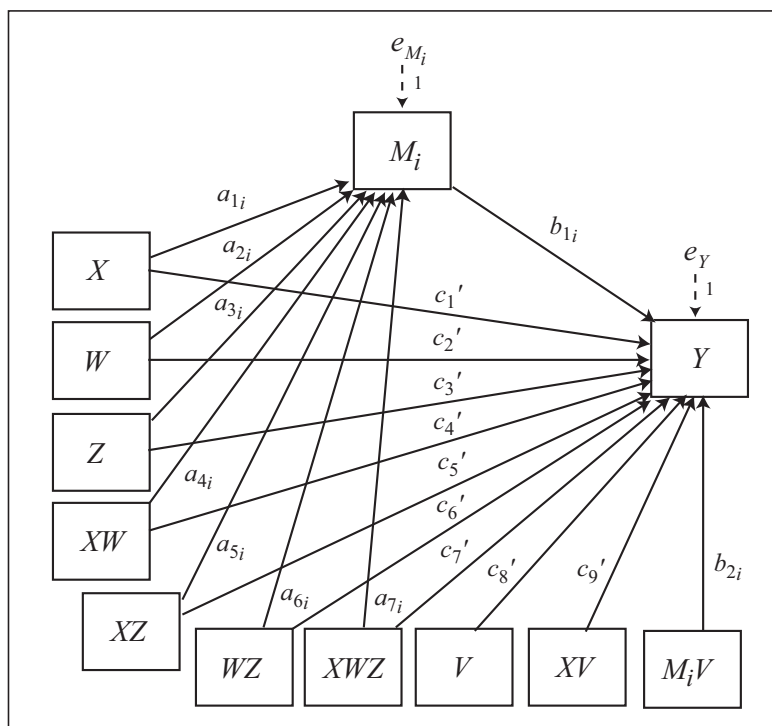
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Model 33

Conceptual Diagram



Statistical Diagram



Conditional indirect effect of X on Y through M_i = (a_{1i} + a_{4i}W + a_{5i}Z + a_{7i}WZ)(b_{1i} + b_{2i}V)

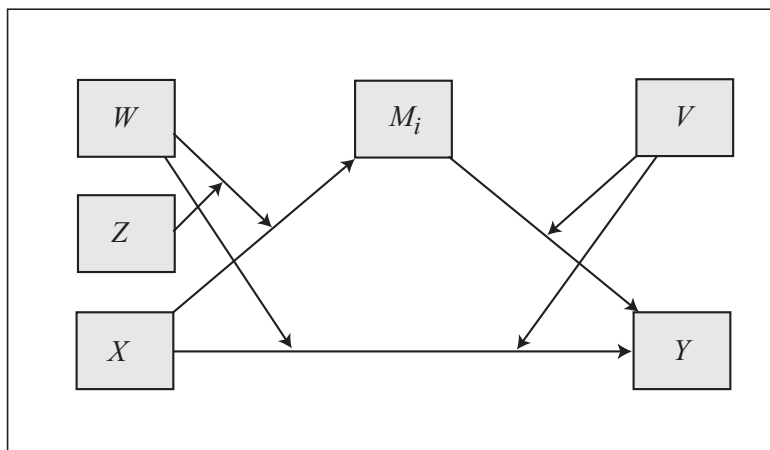
Conditional direct effect of X on Y = c_{1'} + c_{4'}W + c_{5'}Z + c_{7'}WZ + c_{9'}V

*Model 33 allows up to 10 mediators operating in parallel

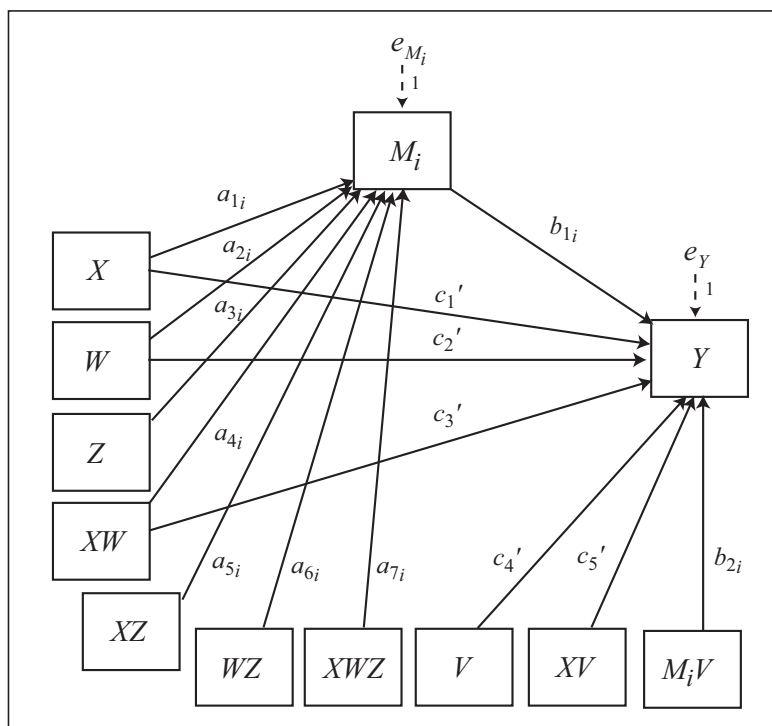
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Model 34

Conceptual Diagram



Statistical Diagram



Conditional indirect effect of X on Y through M_i = (a_{1i} + a_{4i}W + a_{5i}Z + a_{7i}WZ)(b_{1i} + b_{2i}V)

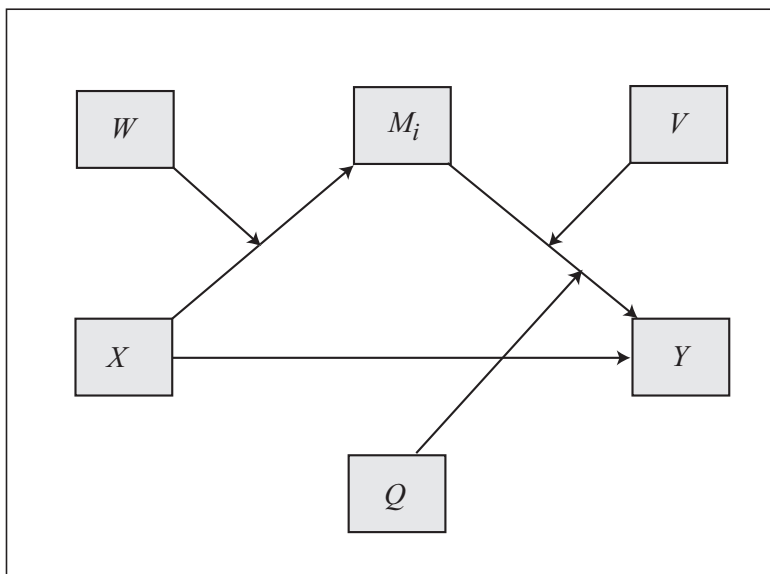
Conditional direct effect of X on Y = c_{1'} + c_{3'}W + c_{5'}V

*Model 34 allows up to 10 mediators operating in parallel

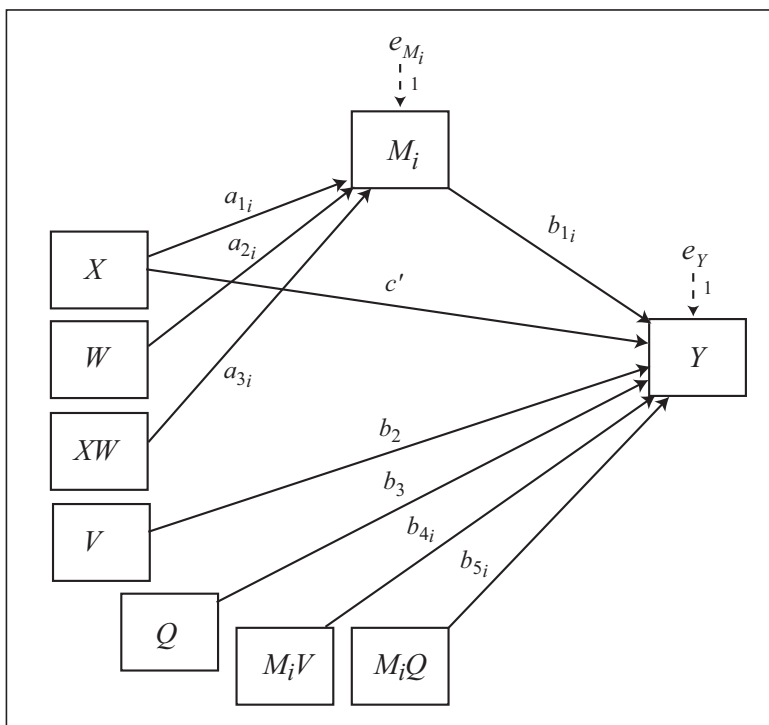
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Model 35

Conceptual Diagram



Statistical Diagram



Conditional indirect effect of X on Y through $M_i = (a_{1i} + a_{3i}W)(b_{1i} + b_{4i}V + b_{5i}Q)$

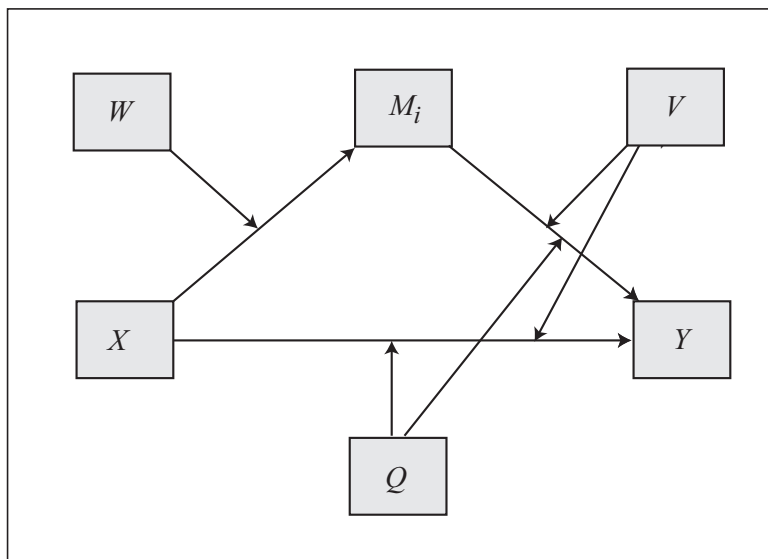
Direct effect of X on $Y = c'$

*Model 35 allows up to 10 mediators operating in parallel

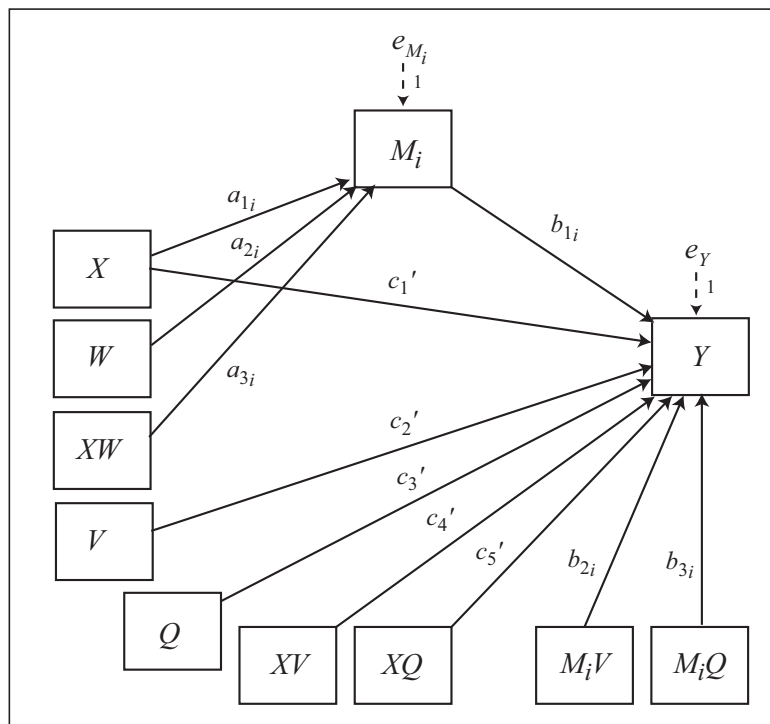
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Model 36

Conceptual Diagram



Statistical Diagram



Conditional indirect effect of X on Y through $M_i = (a_{1i} + a_{3i}W)(b_{1i} + b_{2i}V + b_{3i}Q)$

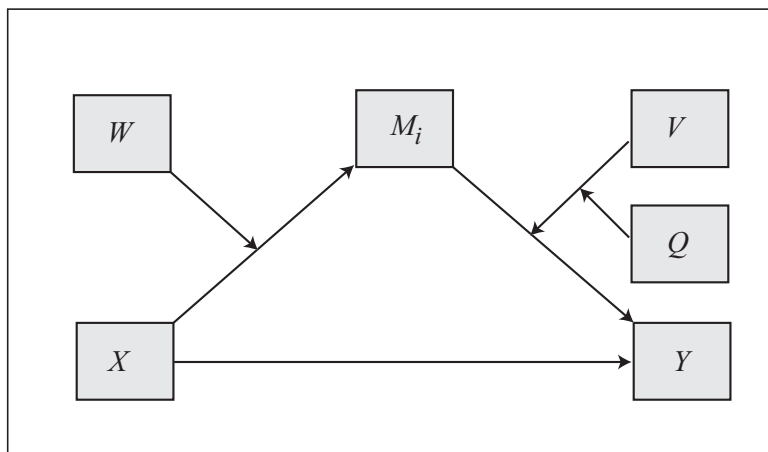
Conditional direct effect of X on $Y = c_1' + c_4'V + c_5'Q$

*Model 36 allows up to 10 mediators operating in parallel

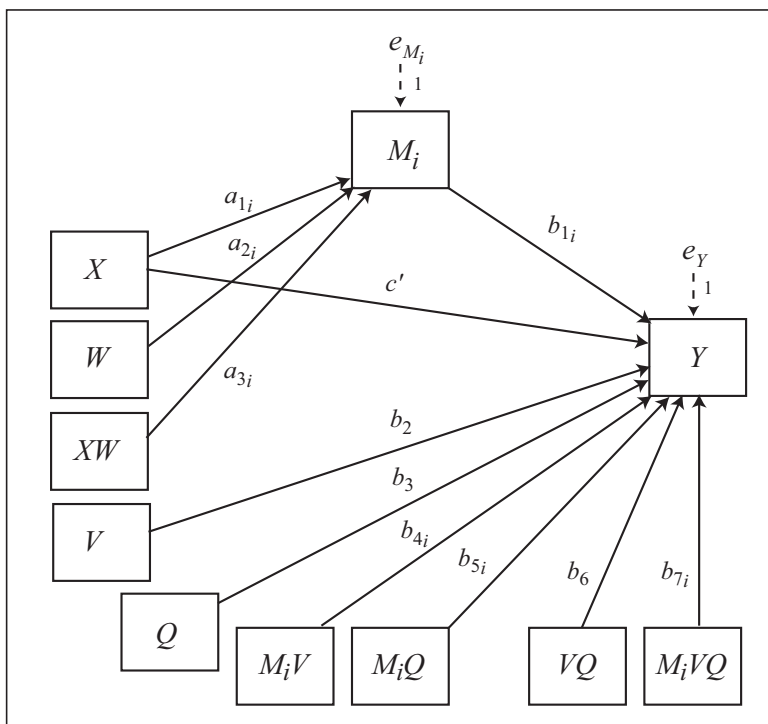
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Model 37

Conceptual Diagram



Statistical Diagram



Conditional indirect effect of X on Y through $M_i = (a_{1i} + a_{3i}W)(b_{1i} + b_{4i}V + b_{5i}Q + b_{7i}VQ)$

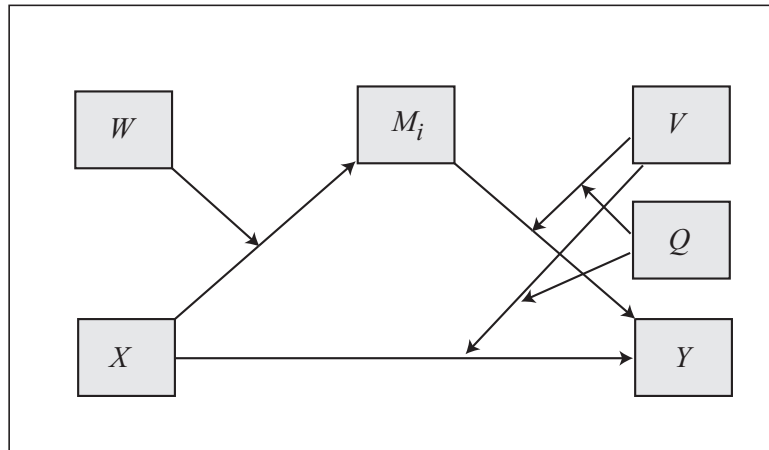
Direct effect of X on $Y = c'$

*Model 37 allows up to 10 mediators operating in parallel

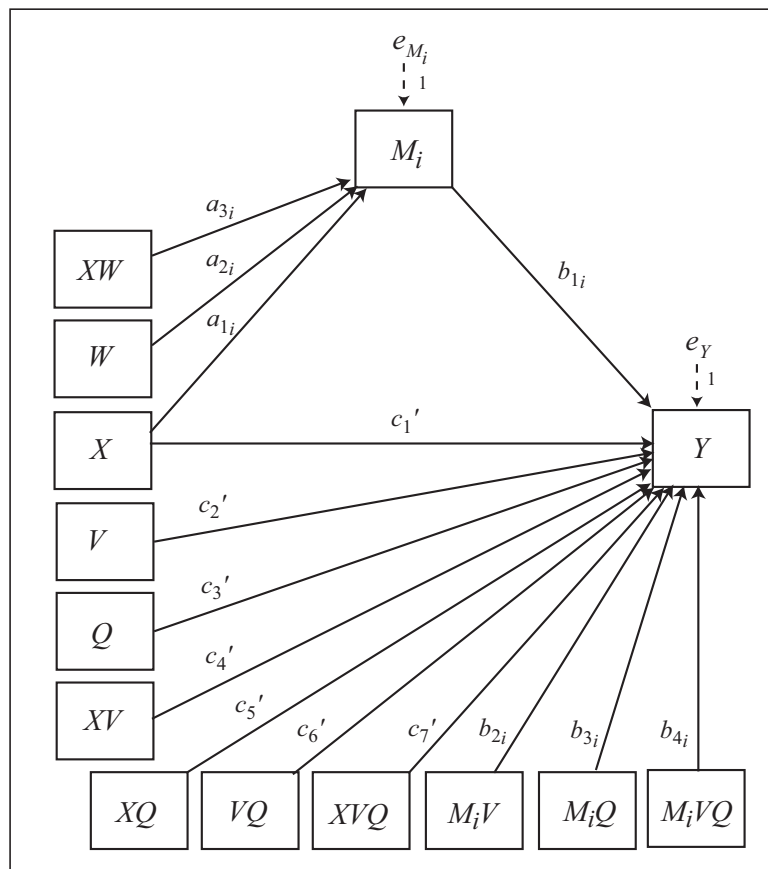
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Model 38

Conceptual Diagram



Statistical Diagram



Conditional indirect effect of X on Y through $M_i = (a_{1i} + a_{3i}W)(b_{1i} + b_{2i}V + b_{3i}Q + b_{4i}VQ)$

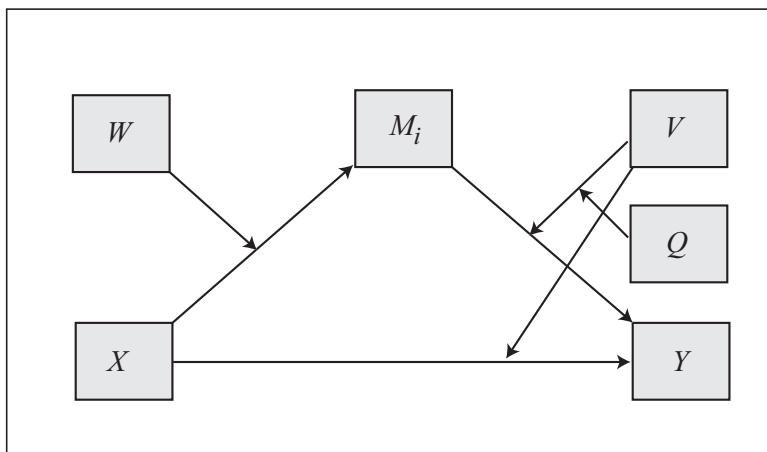
Conditional direct effect of X on $Y = c_1' + c_4'V + c_5'Q + c_7'VQ$

*Model 38 allows up to 10 mediators operating in parallel

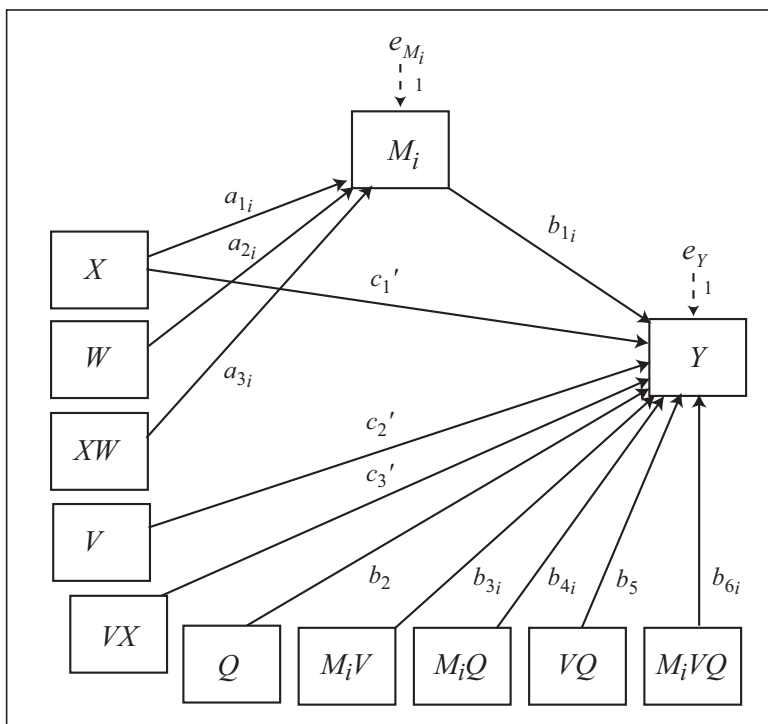
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Model 39

Conceptual Diagram



Statistical Diagram



Conditional indirect effect of X on Y through $M_i = (a_{1i} + a_{3i}W)(b_{1i} + b_{3i}V + b_{4i}Q + b_{6i}VQ)$

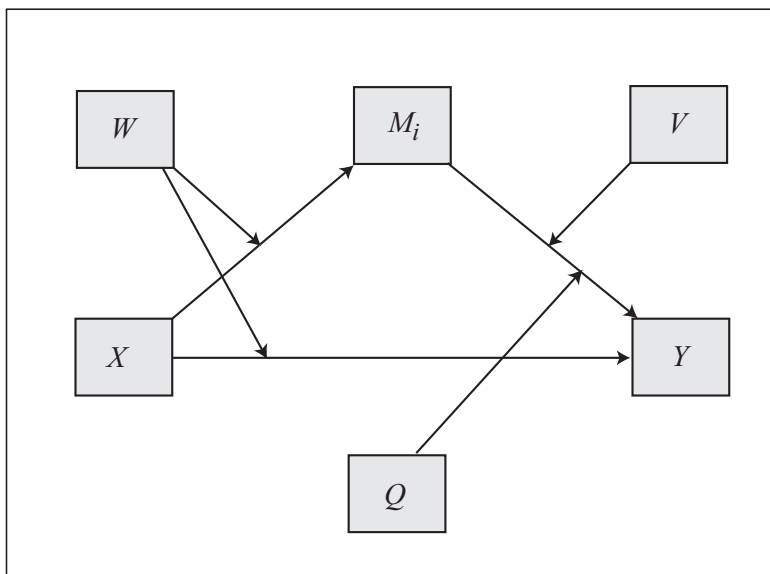
Conditional direct effect of X on $Y = c_1' + c_3'V$

*Model 39 allows up to 10 mediators operating in parallel

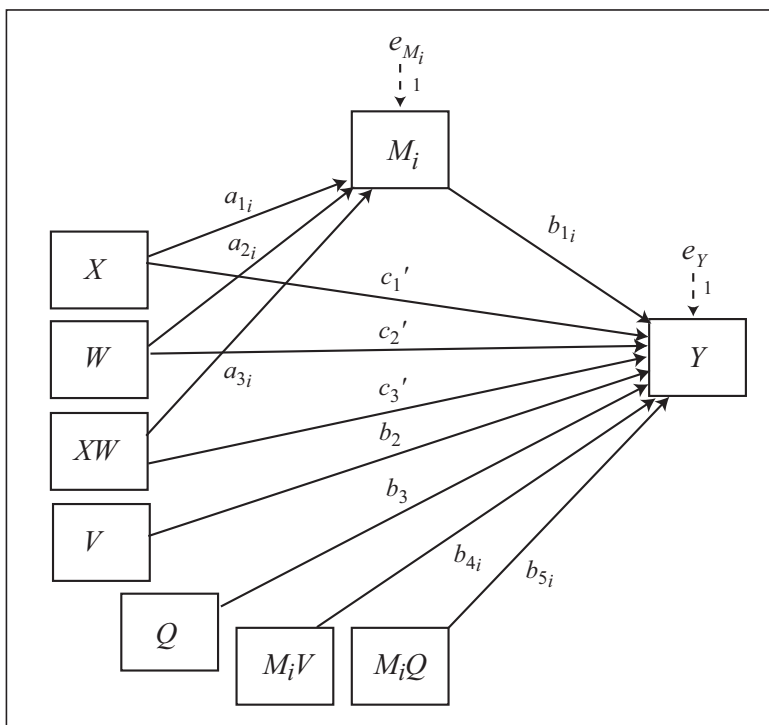
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Model 40

Conceptual Diagram



Statistical Diagram



Conditional indirect effect of X on Y through $M_i = (a_{1i} + a_{3i}W)(b_{1i} + b_{4i}V + b_{5i}Q)$

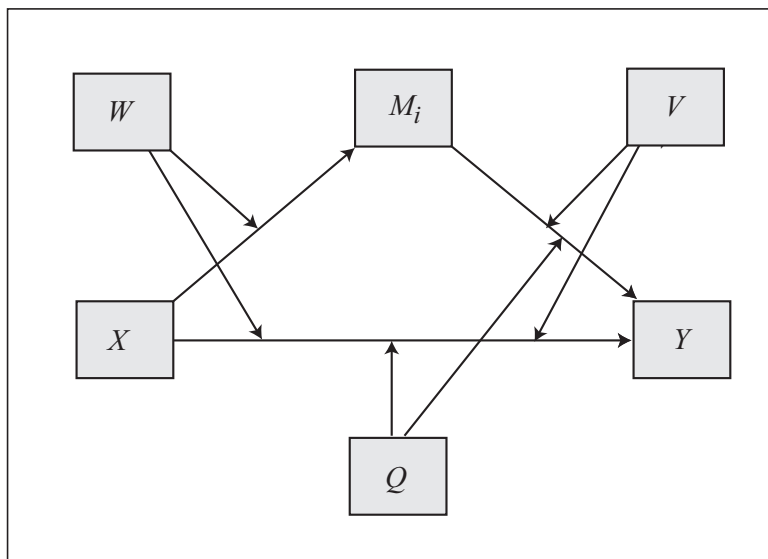
Conditional direct effect of X on $Y = c_1' + c_3'W$

*Model 40 allows up to 10 mediators operating in parallel

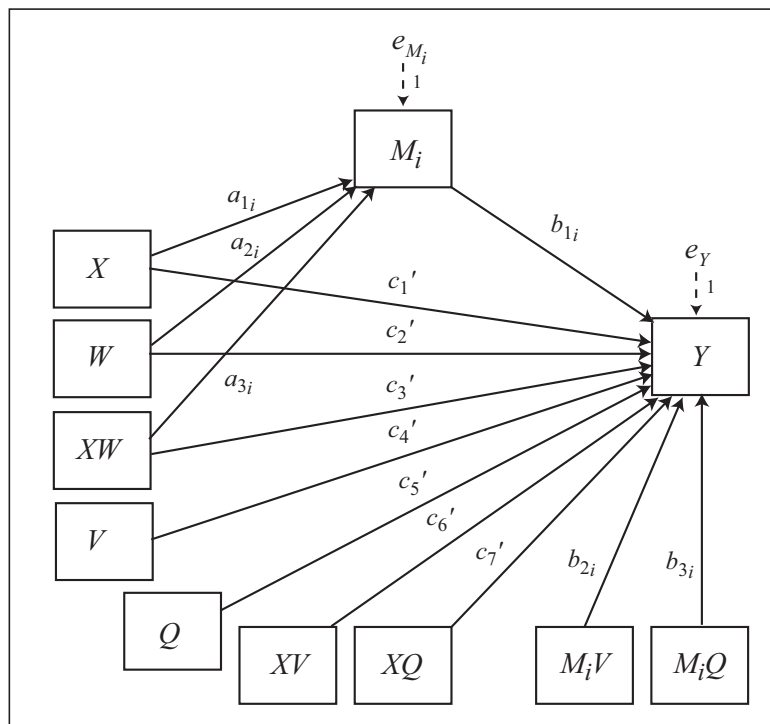
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Model 41

Conceptual Diagram



Statistical Diagram



Conditional indirect effect of X on Y through $M_i = (a_{1i} + a_{3i}W)(b_{1i} + b_{2i}V + b_{3i}Q)$

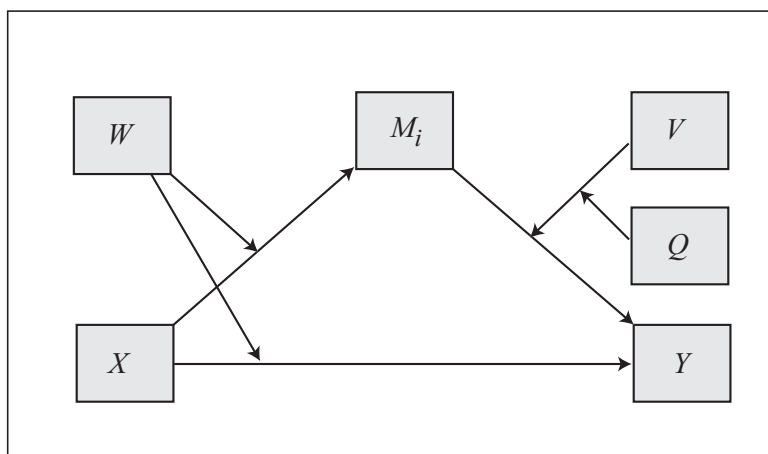
Conditional direct effect of X on $Y = c_{1'} + c_{3'}W + c_{6'}V + c_{7'}Q$

*Model 41 allows up to 10 mediators operating in parallel

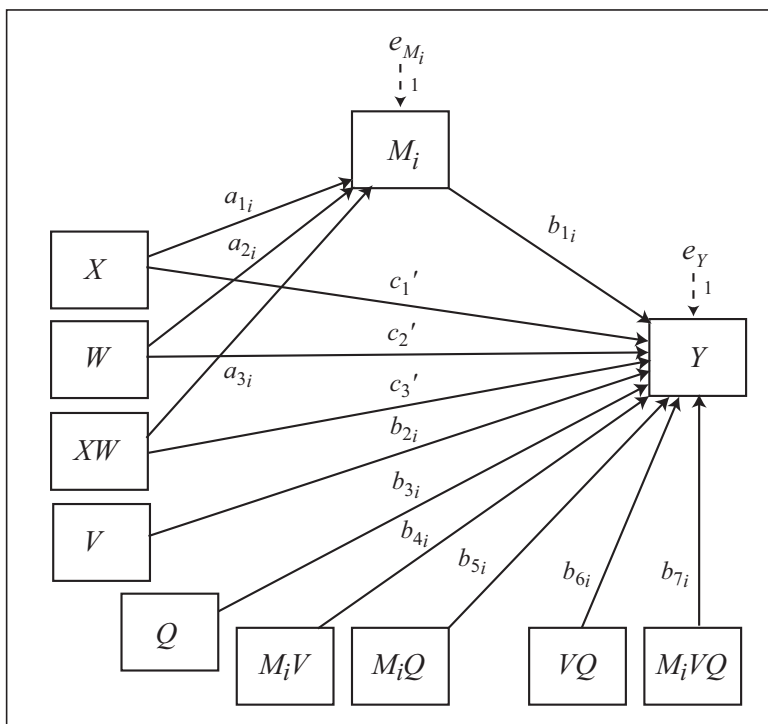
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Model 42

Conceptual Diagram



Statistical Diagram



Conditional indirect effect of X on Y through $M_i = (a_{1i} + a_{3i}W)(b_{1i} + b_{4i}V + b_{5i}Q + b_{7i}VQ)$

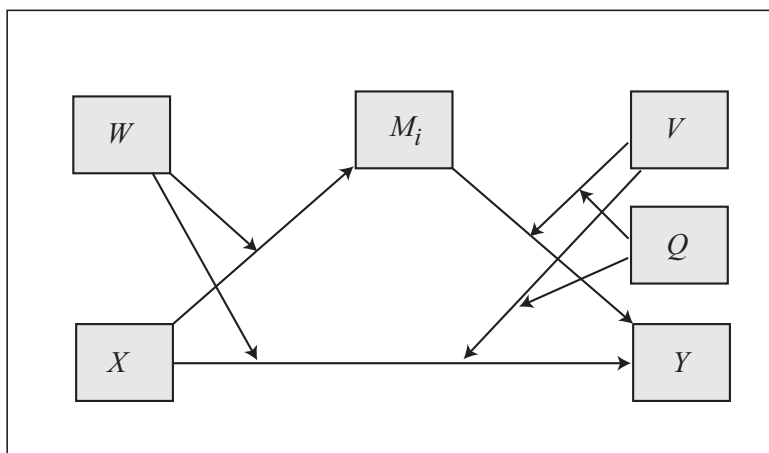
Conditional direct effect of X on $Y = c_1' + c_3'W$

*Model 42 allows up to 10 mediators operating in parallel

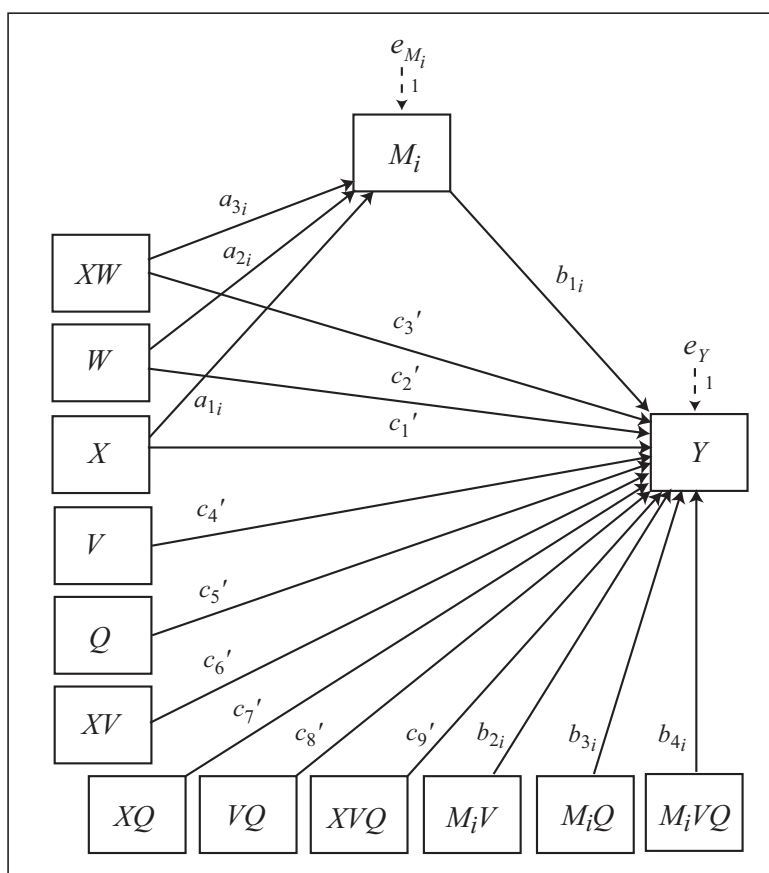
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Model 43

Conceptual Diagram



Statistical Diagram



Conditional indirect effect of X on Y through $M_i = (a_{1i} + a_{3i}W)(b_{1i} + b_{2i}V + b_{3i}Q + b_{4i}VQ)$

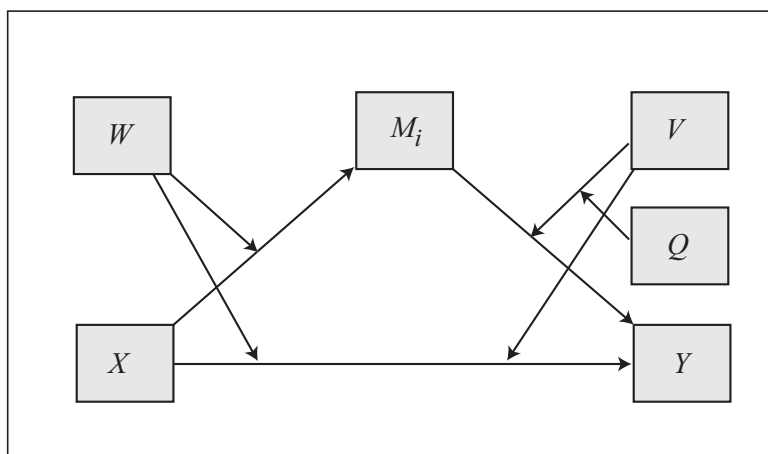
Conditional direct effect of X on $Y = c_{1'} + c_{3'}W + c_{6'}V + c_{7'}Q + c_{9'}VQ$

*Model 43 allows up to 10 mediators operating in parallel

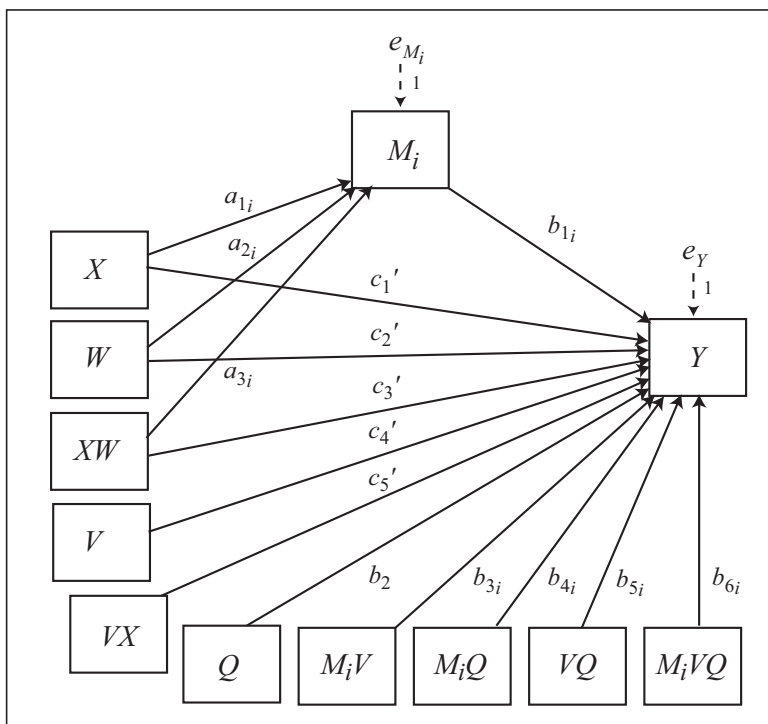
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Model 44

Conceptual Diagram



Statistical Diagram



Conditional indirect effect of X on Y through $M_i = (a_{1i} + a_{3i}W)(b_{1i} + b_{3i}V + b_{4i}Q + b_{6i}VQ)$

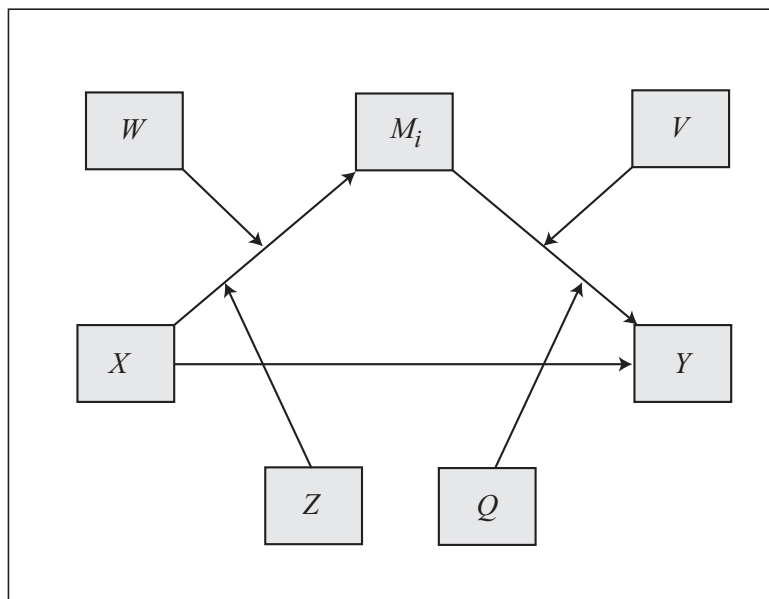
Conditional direct effect of X on $Y = c_1' + c_3'W + c_5'V$

*Model 44 allows up to 10 mediators operating in parallel

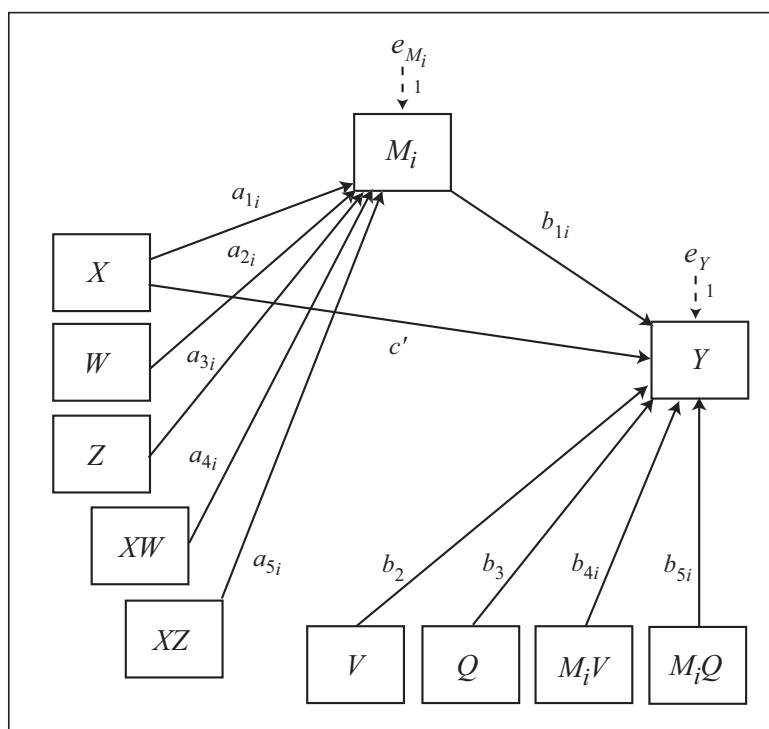
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Model 45

Conceptual Diagram



Statistical Diagram



Conditional indirect effect of X on Y through $M_i = (a_{1i} + a_{4i}W + a_{5i}Z)(b_{1i} + b_{4i}V + b_{5i}Q)$

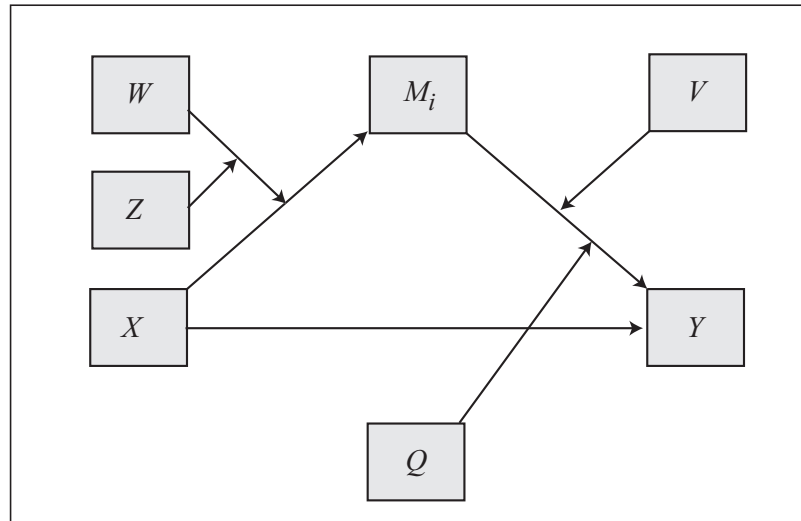
Direct effect of X on $Y = c'$

*Model 45 allows up to 10 mediators operating in parallel

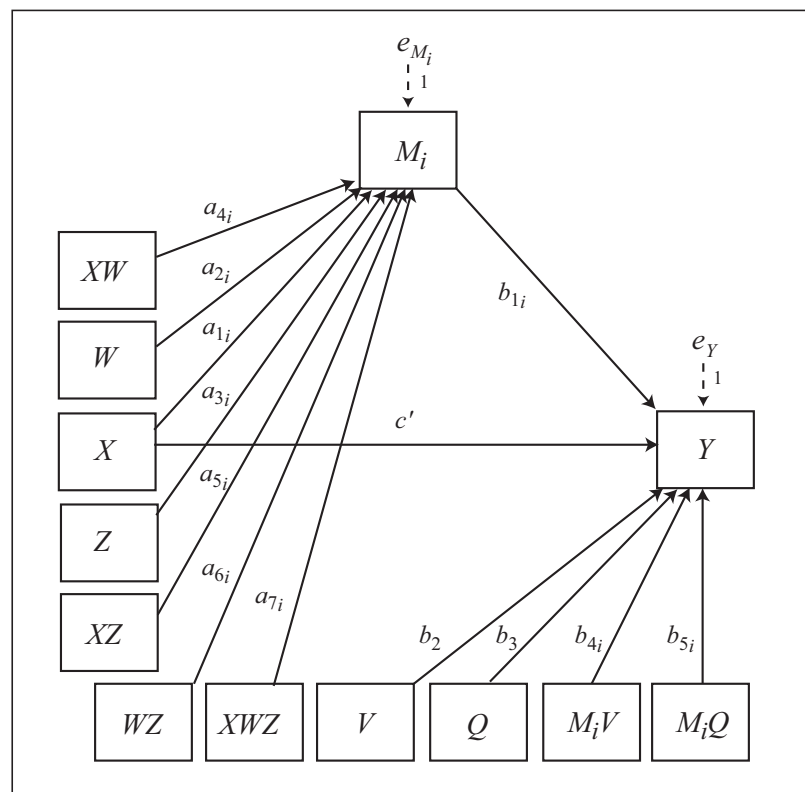
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Model 46

Conceptual Diagram



Statistical Diagram



Conditional indirect effect of X on Y through $M_i = (a_{1i} + a_{4i}W + a_{5i}Z + a_{7i}WZ)(b_{1i} + b_{4i}V + b_{5i}Q)$

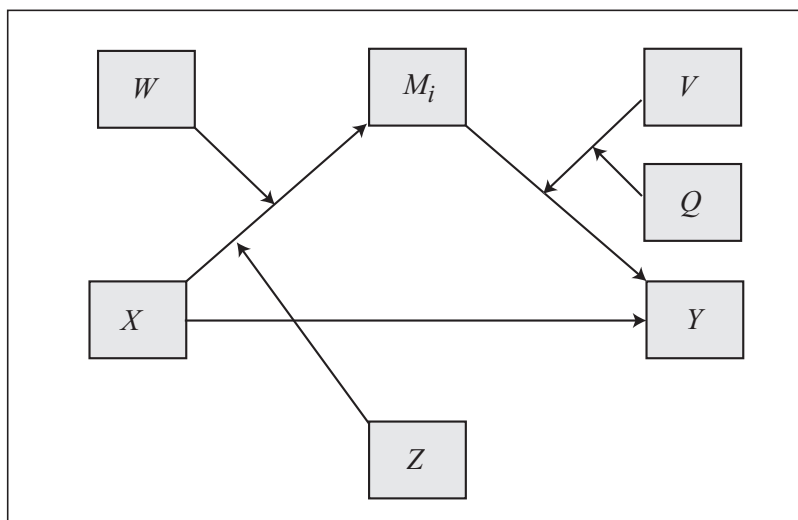
Direct effect of X on $Y = c'$

*Model 46 allows up to 10 mediators operating in parallel

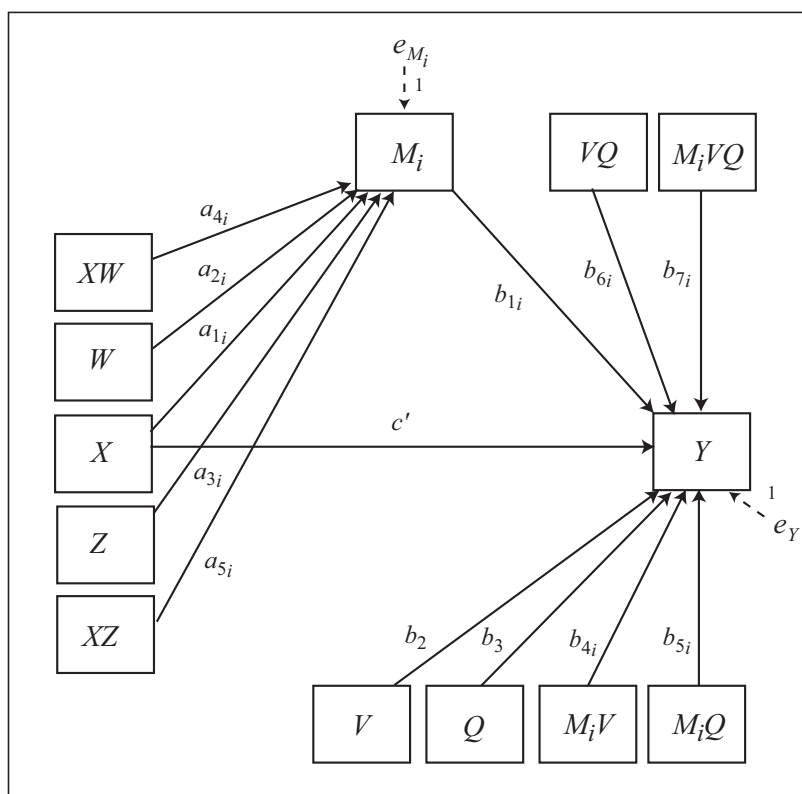
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Model 47

Conceptual Diagram



Statistical Diagram



Conditional indirect effect of X on Y through $M_i = (a_{1i} + a_{4i}W + a_{5i}Z)(b_{1i} + b_{4i}V + b_{5i}Q + b_{7i}VQ)$

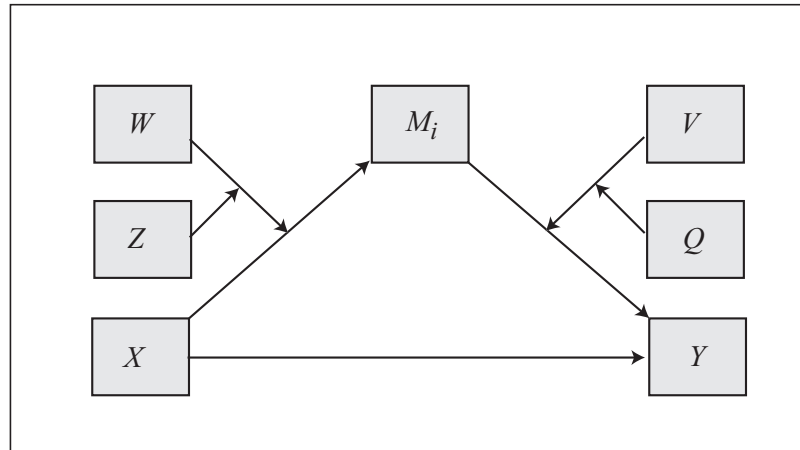
Direct effect of X on $Y = c'$

*Model 47 allows up to 10 mediators operating in parallel

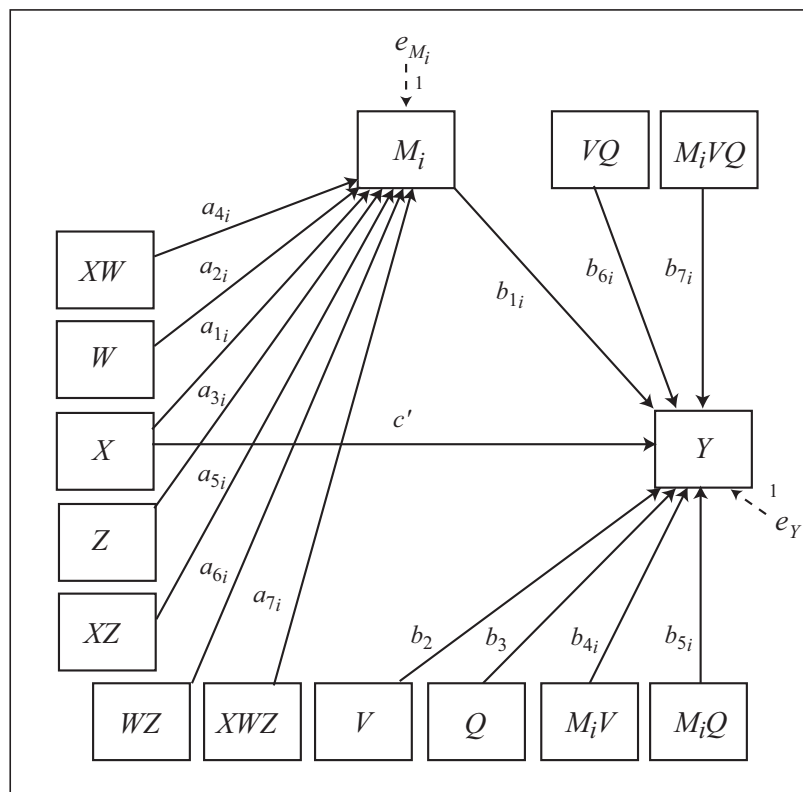
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Model 48

Conceptual Diagram



Statistical Diagram



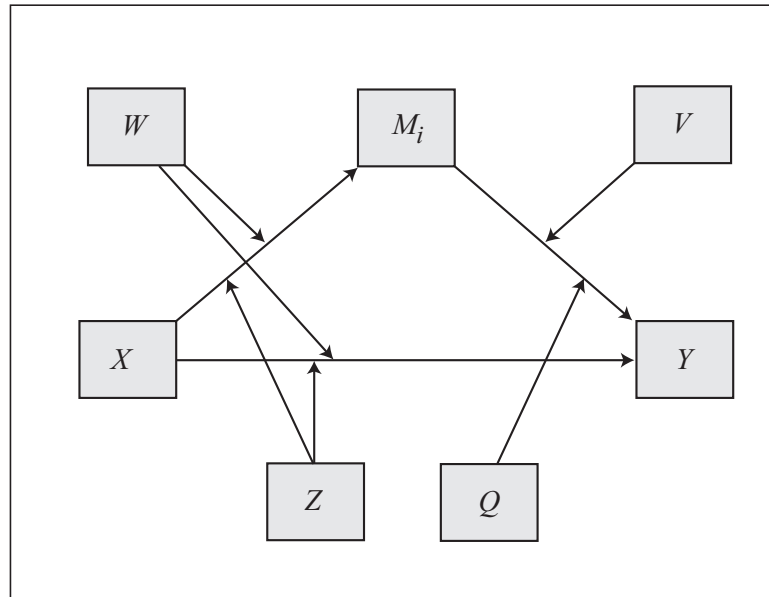
Conditional indirect effect of X on Y through $M_i = (a_{1i} + a_{4i}W + a_{5i}Z + a_{7i}WZ) \cdot (b_{1i} + b_{4i}V + b_{5i}Q + b_{7i}VQ)$
 Direct effect of X on $Y = c'$

*Model 48 allows up to 10 mediators operating in parallel

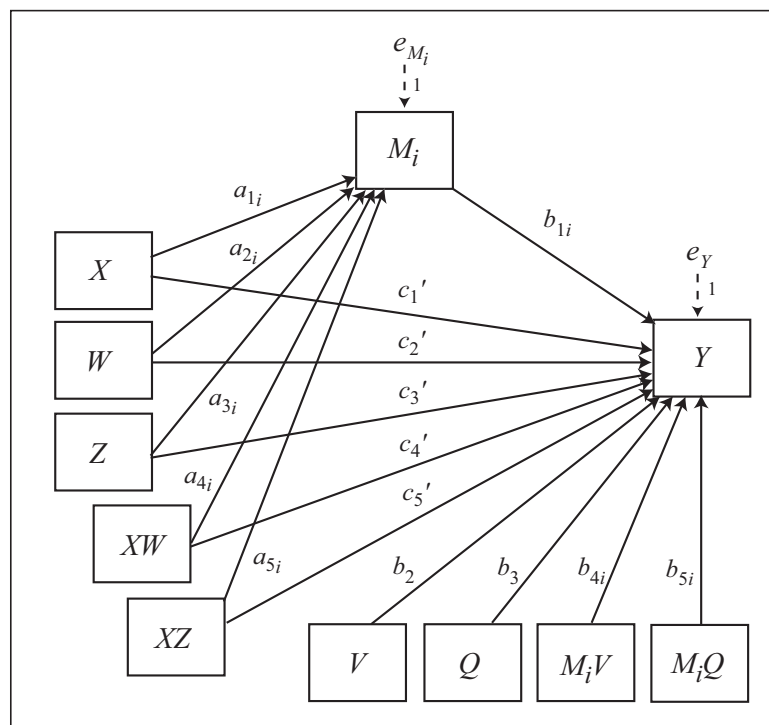
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Model 49

Conceptual Diagram



Statistical Diagram



Conditional indirect effect of X on Y through $M_i = (a_{1i} + a_{4i}W + a_{5i}Z)(b_{1i} + b_{4i}V + b_{5i}Q)$

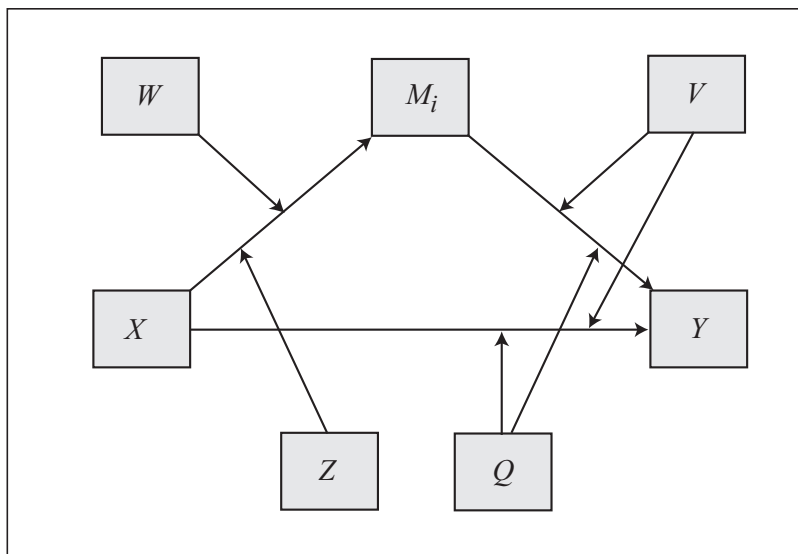
Conditional direct effect of X on $Y = + c_1' + c_4'W + c_5'Z$

*Model 49 allows up to 10 mediators operating in parallel

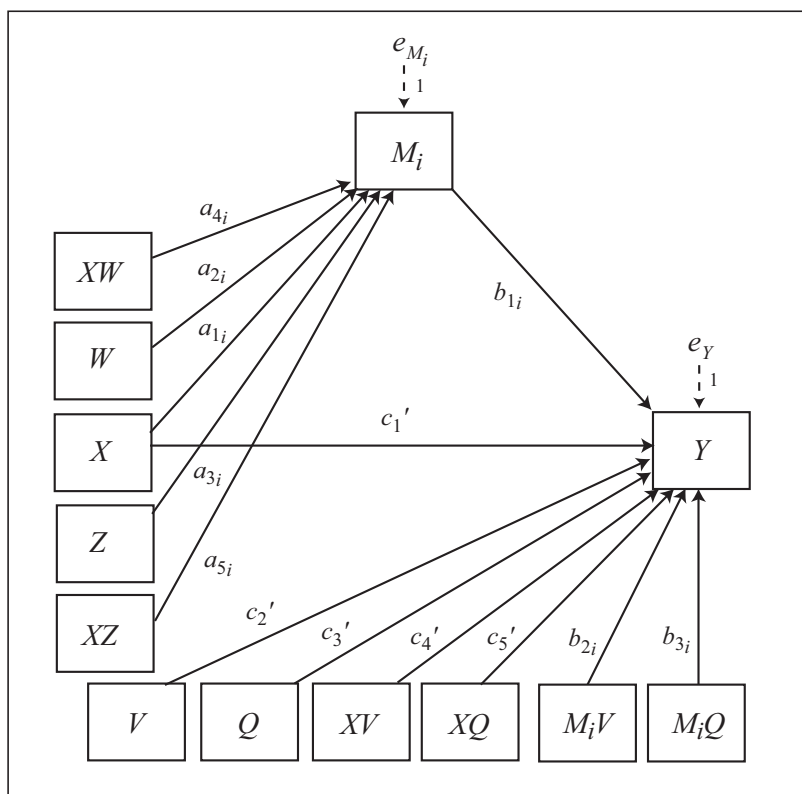
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Model 50

Conceptual Diagram



Statistical Diagram



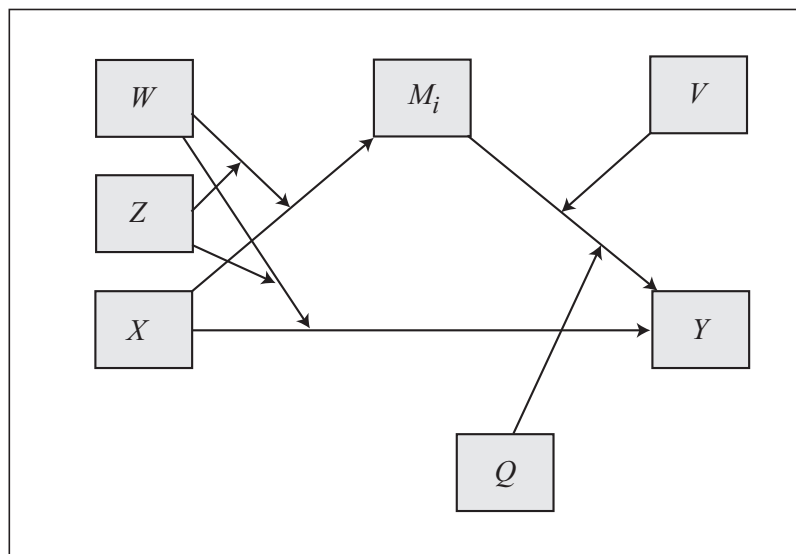
Conditional indirect effect of X on Y through $M_i = (a_{1i} + a_{4i}W + a_{5i}Z)(b_{1i} + b_{2i}V + b_{3i}Q)$
 Conditional direct effect of X on $Y = c_1' + c_4'V + c_5'Q$

*Model 50 allows up to 10 mediators operating in parallel

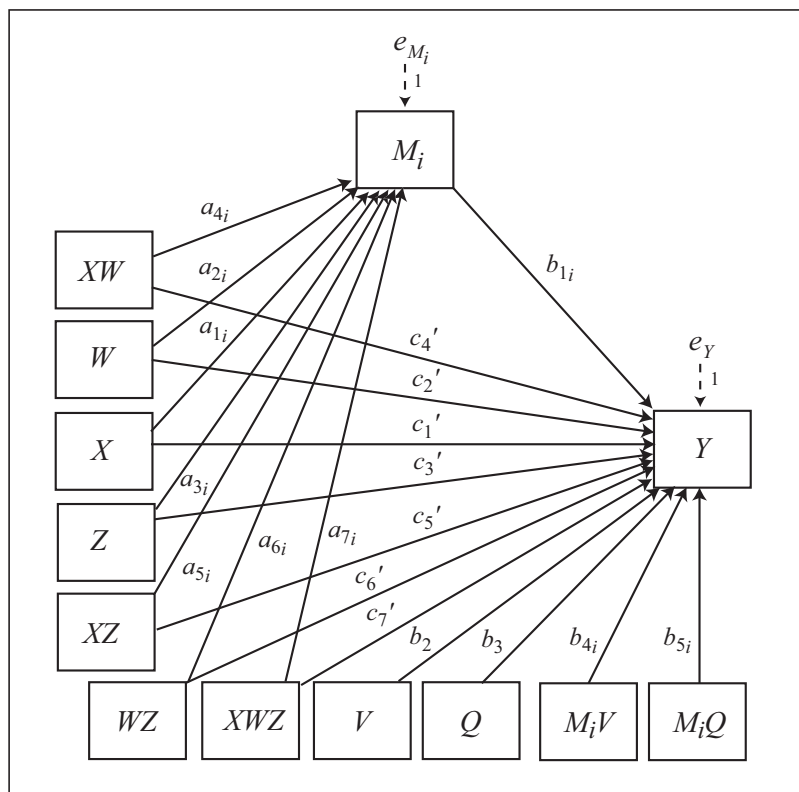
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Model 51

Conceptual Diagram



Statistical Diagram



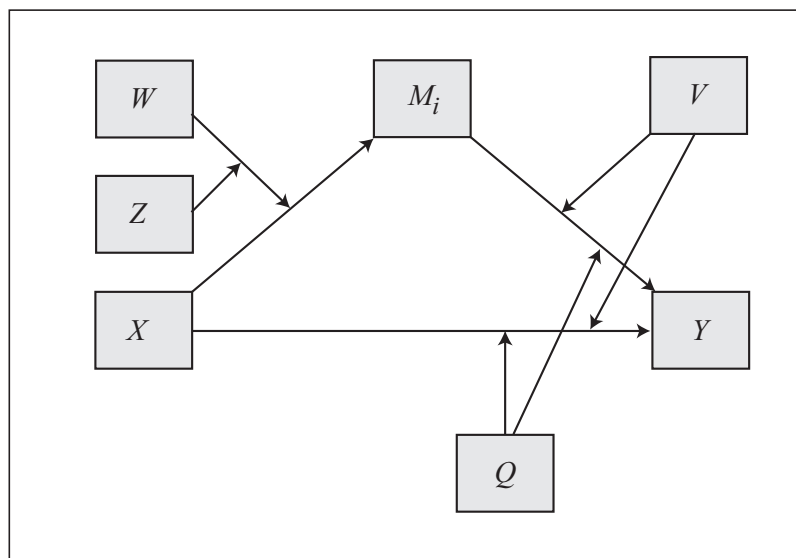
Conditional indirect effect of X on Y through $M_i = (a_{1i} + a_{4i}W + a_{5i}Z + a_{7i}WZ)(b_{1i} + b_{4i}V + b_{5i}Q)$
 Conditional direct effect of X on $Y = c_1' + c_4'W + c_5'Z + c_7'WZ$

*Model 51 allows up to 10 mediators operating in parallel

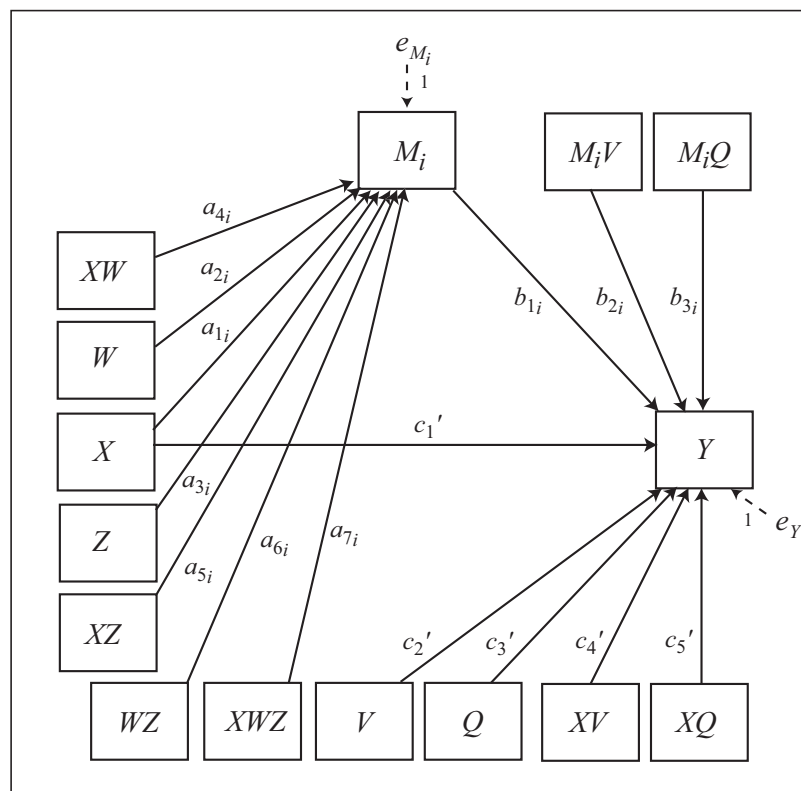
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Model 52

Conceptual Diagram



Statistical Diagram



Conditional indirect effect of X on Y through $M_i = (a_{1i} + a_{4i}W + a_{5i}Z + a_{7i}WZ)(b_{1i} + b_{2i}V + b_{3i}Q)$

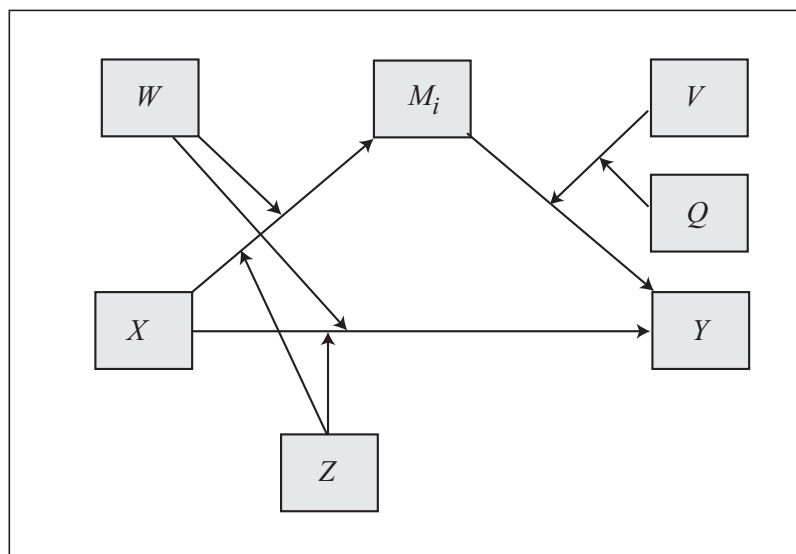
Conditional direct effect of X on $Y = c_{1'} + c_{4'}V + c_{5'}Q$

*Model 52 allows up to 10 mediators operating in parallel

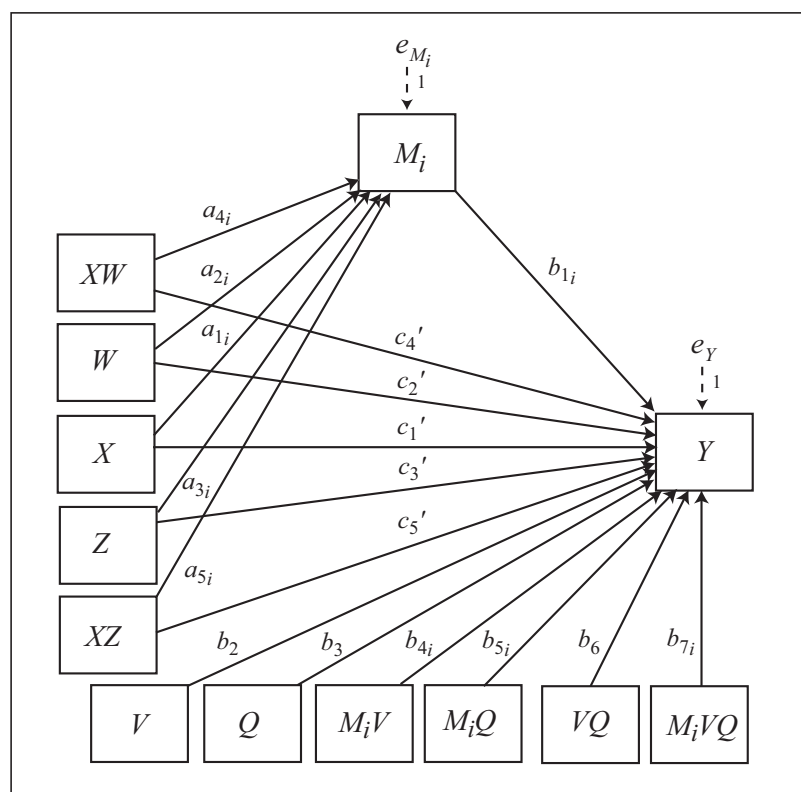
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Model 53

Conceptual Diagram



Statistical Diagram



Conditional indirect effect of X on Y through $M_i = (a_{1i} + a_{4i}W + a_{5i}Z)(b_{1i} + b_{4i}V + b_{5i}Q + b_{7i}VQ)$

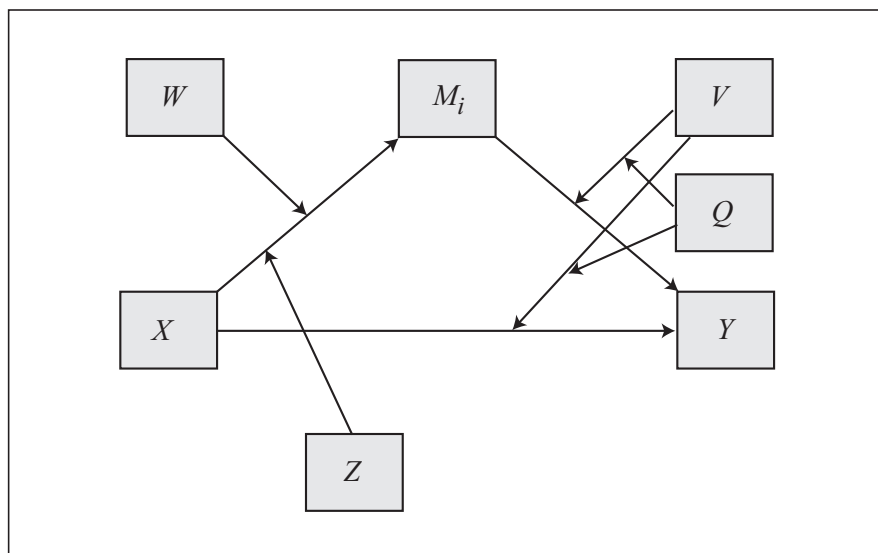
Conditional direct effect of X on $Y = c_1' + c_4'W + c_5'Z$

*Model 53 allows up to 10 mediators operating in parallel

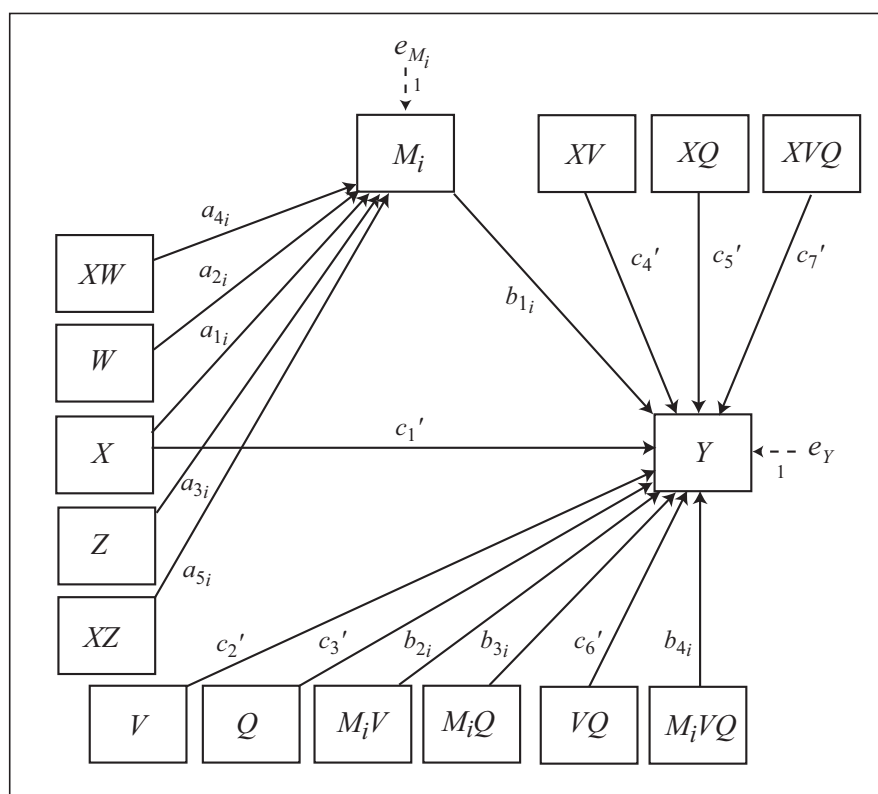
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Model 54

Conceptual Diagram



Statistical Diagram



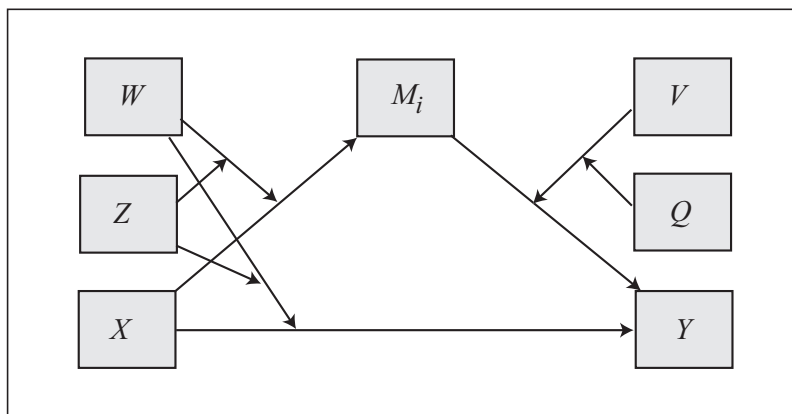
Conditional indirect effect of X on Y through $M_i = (a_{1i} + a_{4i}W + a_{5i}Z)(b_{1i} + b_{2i}V + b_{3i}Q + b_{4i}VQ)$
 Conditional direct effect of X on $Y = c_1' + c_4'V + c_5'Q + c_7'VQ$

*Model 54 allows up to 10 mediators operating in parallel

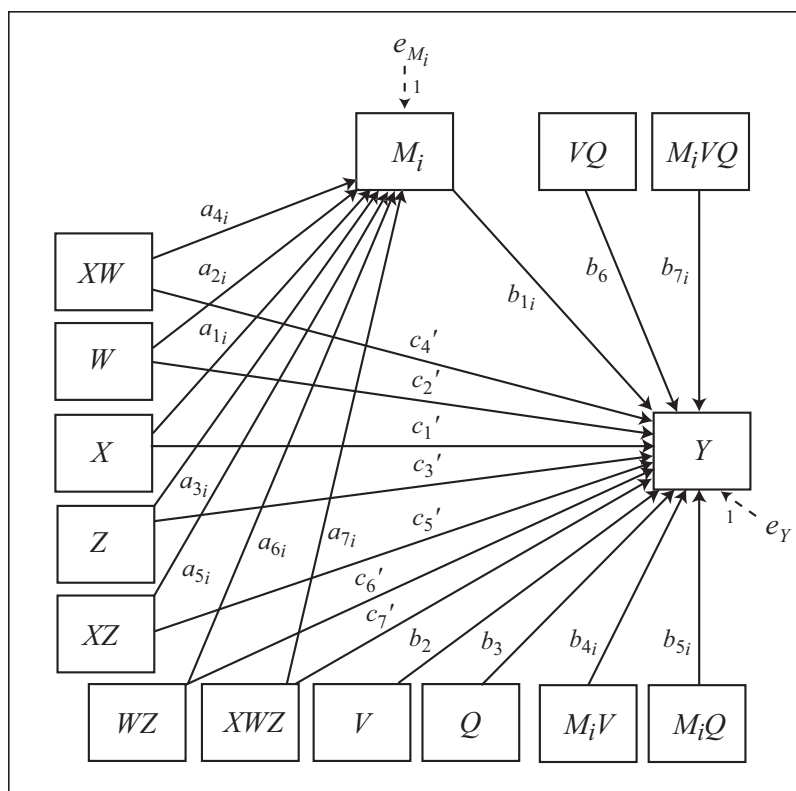
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Model 55

Conceptual Diagram



Statistical Diagram



Conditional indirect effect of X on Y through $M_i = (a_{1i} + a_{4i}W + a_{5i}Z + a_{7i}WZ) \cdot (b_{1i} + b_{4i}V + b_{5i}Q + b_{7i}VQ)$

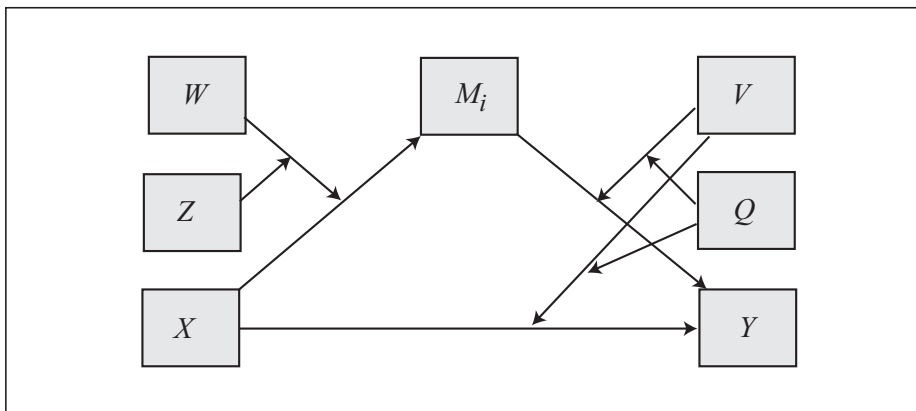
Conditional direct effect of X on $Y = c_1' + c_4'W + c_5'Z + c_7'WZ$

*Model 55 allows up to 10 mediators operating in parallel

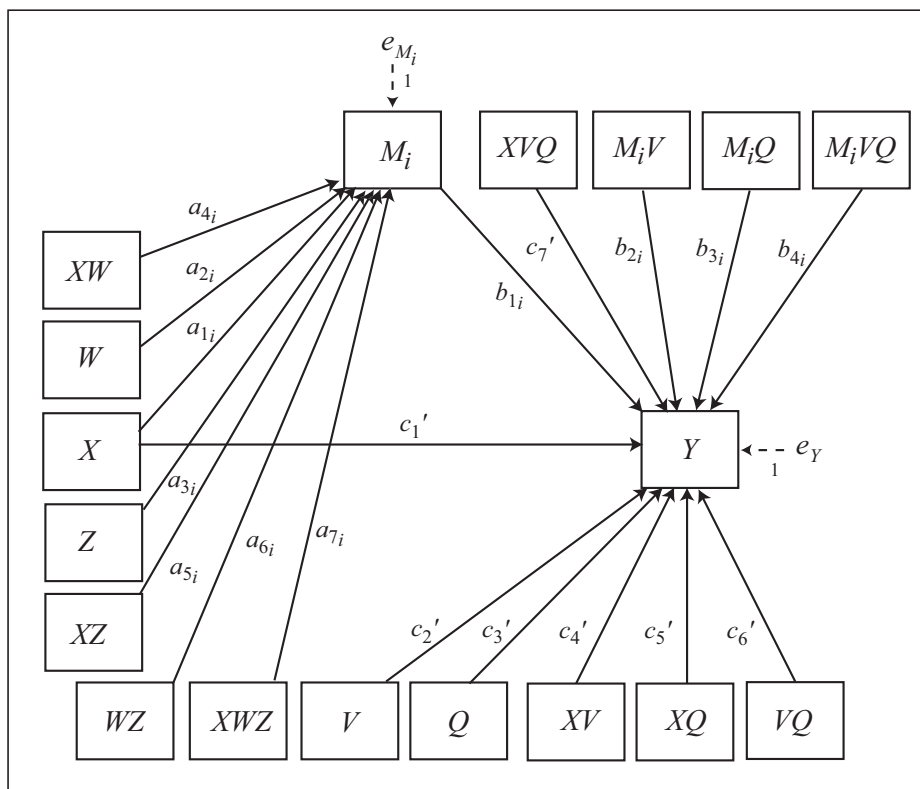
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Model 56

Conceptual Diagram



Statistical Diagram



Conditional indirect effect of X on Y through $M_i = (a_{1i} + a_{4i}W + a_{5i}Z + a_{7i}WZ) \cdot (b_{1i} + b_{2i}V + b_{3i}Q + b_{4i}VQ)$

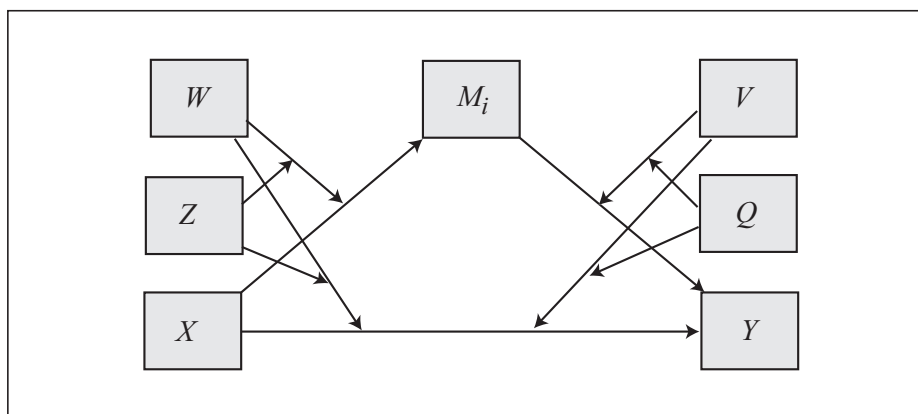
Conditional direct effect of X on $Y = (c_1' + c_4'V + c_5'Q + c_7'VQ)$

*Model 56 allows up to 10 mediators operating in parallel

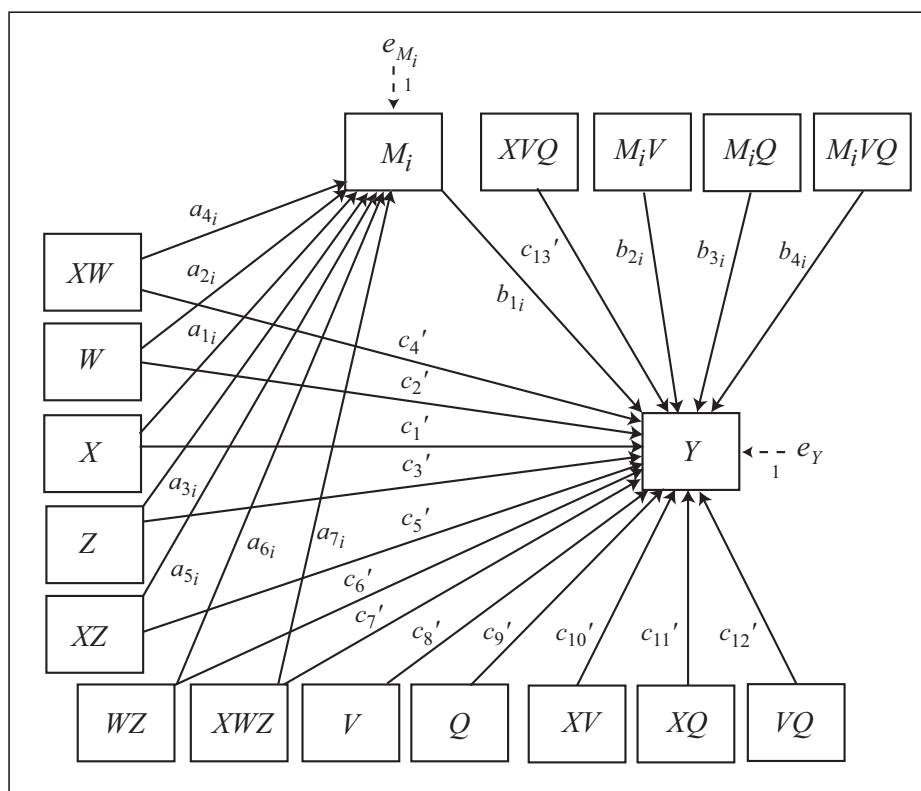
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Model 57

Conceptual Diagram



Statistical Diagram



Conditional indirect effect of X on Y through $M_i = (a_{1i} + a_{4i}W + a_{5i}Z + a_{7i}WZ) \cdot (b_{1i} + b_{2i}V + b_{3i}Q + b_{4i}VQ)$

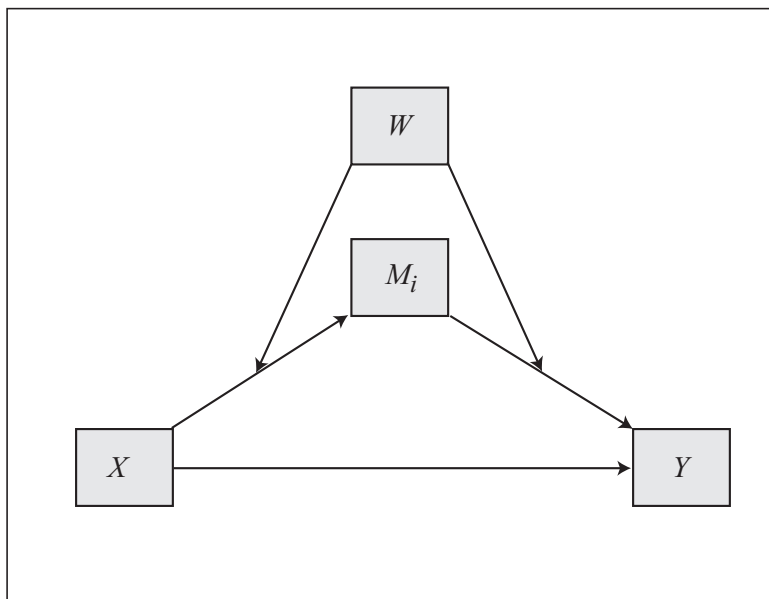
Conditional direct effect of X on $Y = (c_1' + c_4'W + c_5'Z + c_7'WZ + c_{10}'V + c_{11}'Q + c_{13}'VQ)$

*Model 57 allows up to 10 mediators operating in parallel

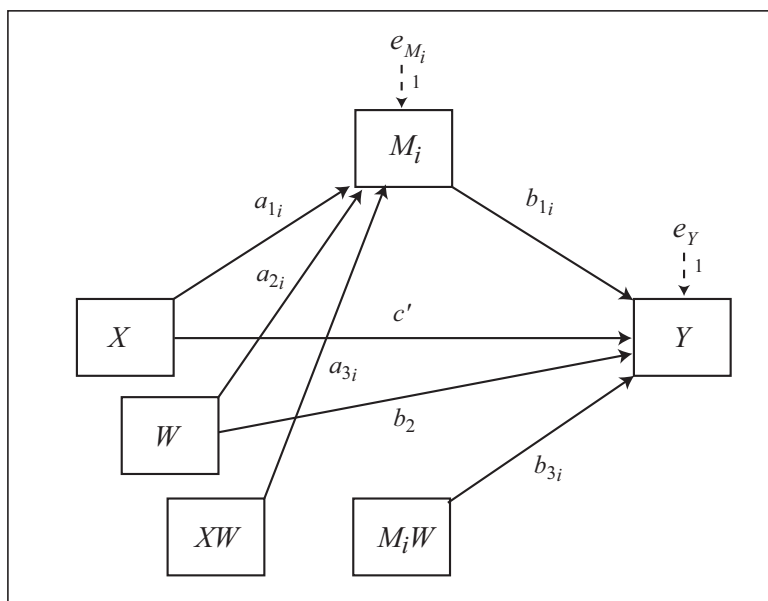
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Model 58

Conceptual Diagram



Statistical Diagram



Conditional indirect effect of X on Y through $M_i = (a_{1i} + a_{3i}W) (b_{1i} + b_{3i}W)$

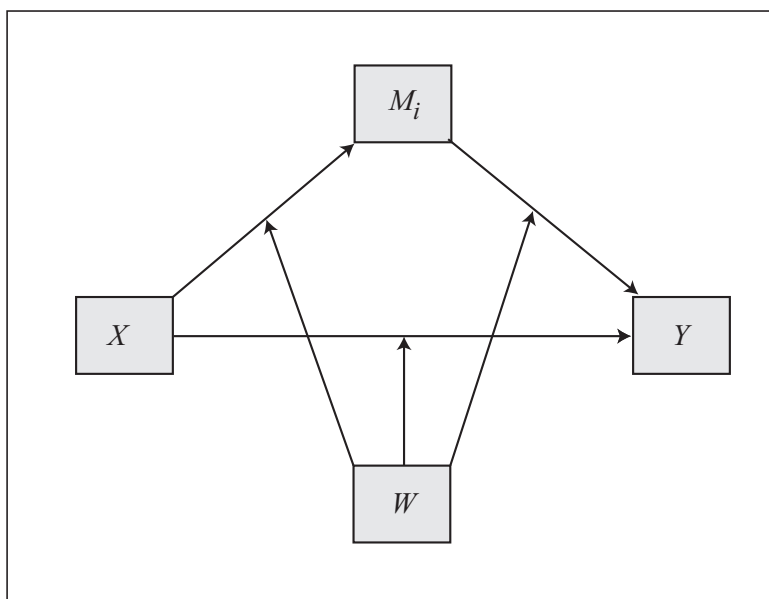
Direct effect of X on $Y = c'$

Note: Model 58 allows up to 10 mediators operating in parallel.

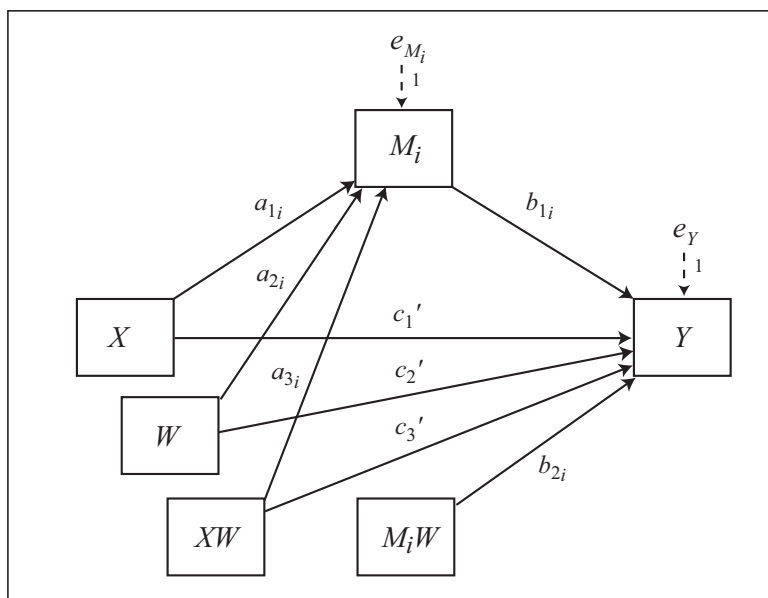
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Model 59

Conceptual Diagram



Statistical Diagram



Conditional indirect effect of X on Y through $M_i = (a_{1i} + a_{3i}W) (b_{1i} + b_{2i}W)$

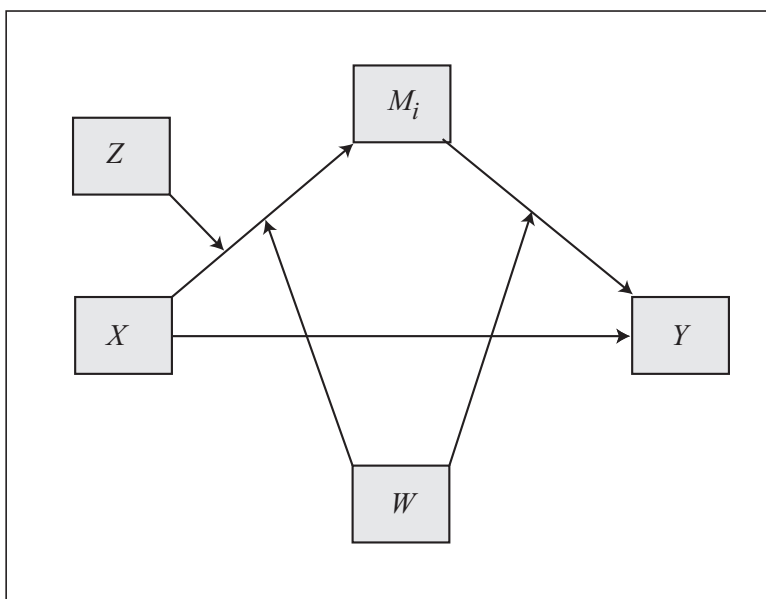
Conditional direct effect of X on $Y = c_1' + c_3'W$

Note: Model 59 allows up to 10 mediators operating in parallel.

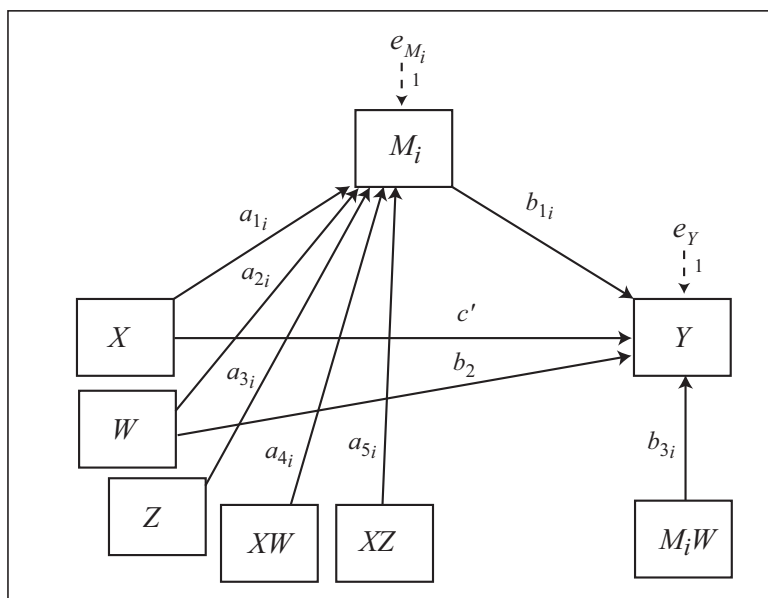
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Model 60

Conceptual Diagram



Statistical Diagram



Conditional indirect effect of X on Y through $M_i = (a_{1i} + a_{4i}W + a_{5i}Z)(b_{1i} + b_{3i}W)$

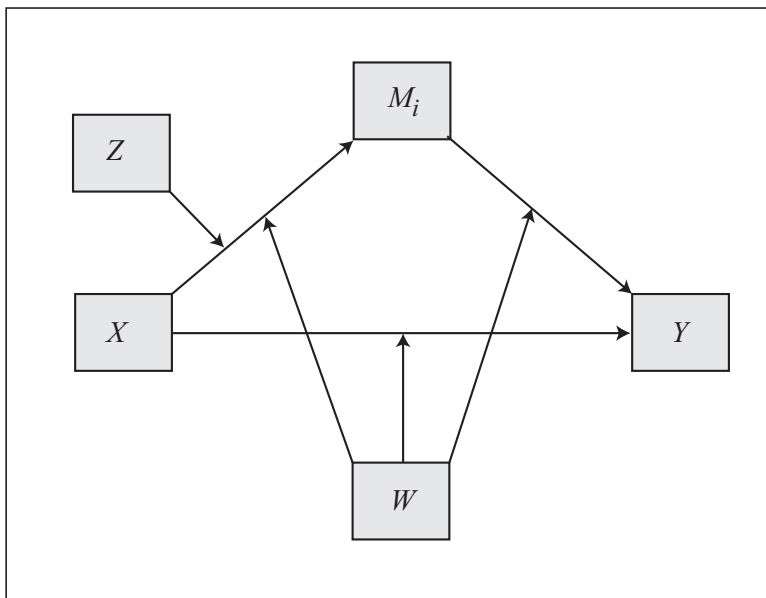
Direct effect of X on $Y = c'$

*Model 60 allows up to 10 mediators operating in parallel

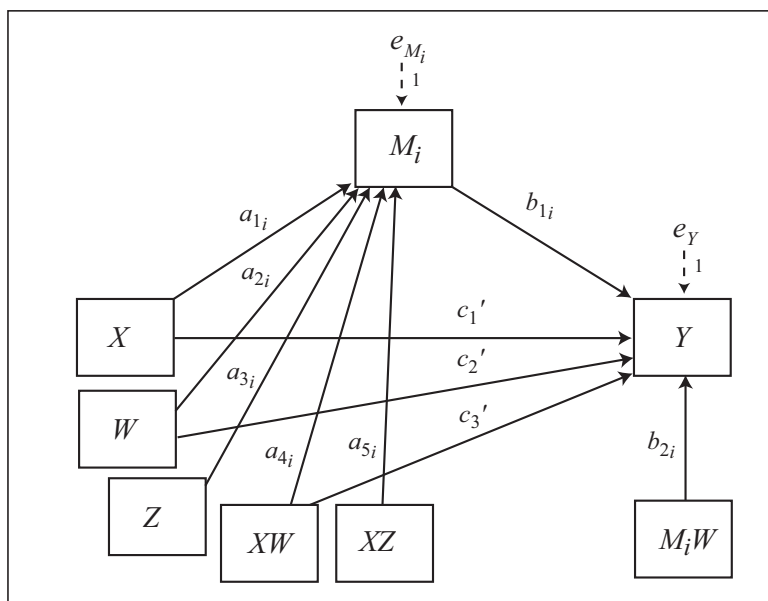
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Model 61

Conceptual Diagram



Statistical Diagram



Conditional indirect effect of X on Y through $M_i = (a_{1i} + a_{4i}W + a_{5i}Z)(b_{1i} + b_{2i}W)$

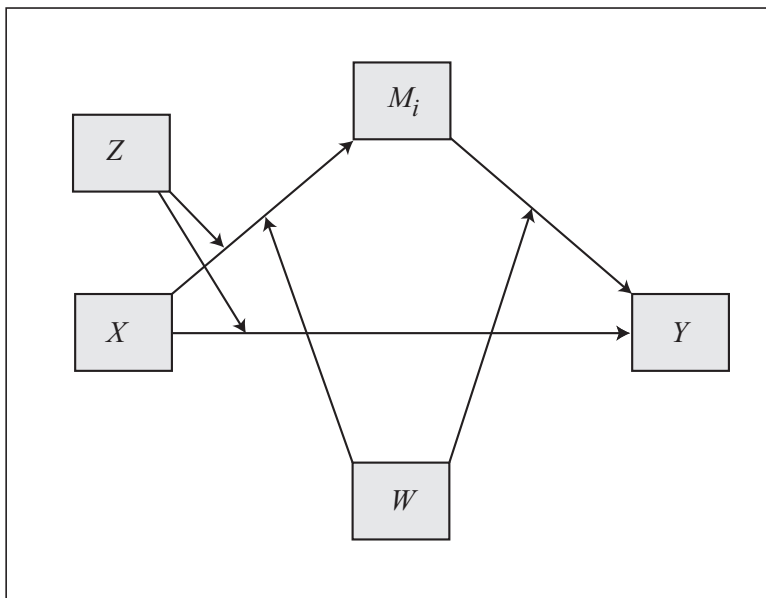
Conditional direct effect of X on Y = $c_1' + c_3'W$

*Model 61 allows up to 10 mediators operating in parallel

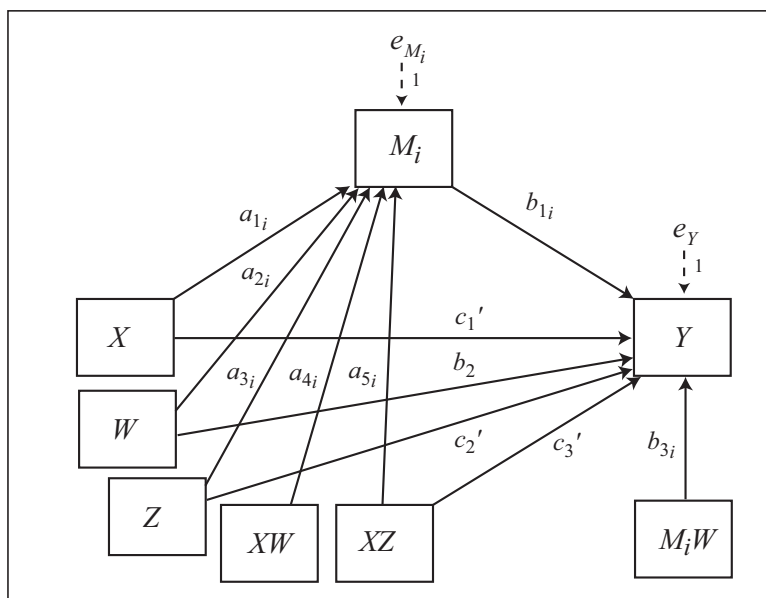
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Model 62

Conceptual Diagram



Statistical Diagram



Conditional indirect effect of X on Y through $M_i = (a_{1i} + a_{4i}W + a_{5i}Z)(b_{1i} + b_{3i}W)$

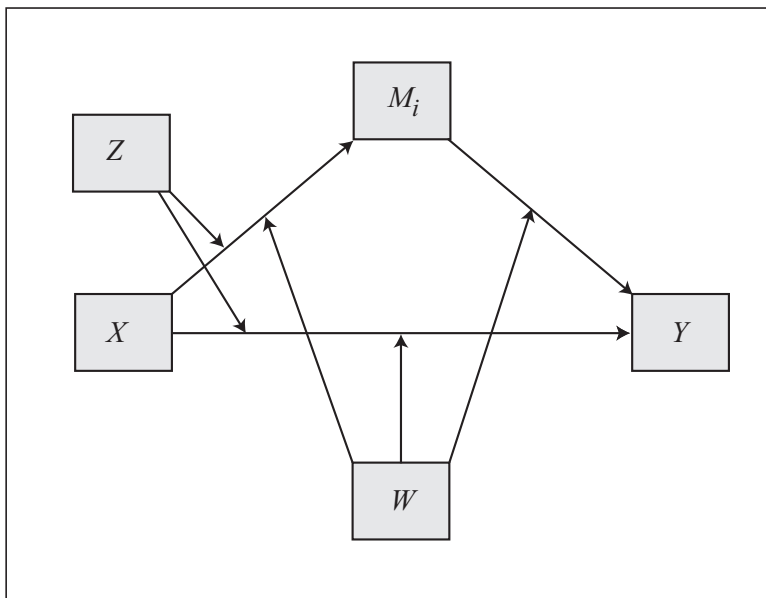
Conditional direct effect of X on Y = $c_1' + c_3'Z$

*Model 62 allows up to 10 mediators operating in parallel

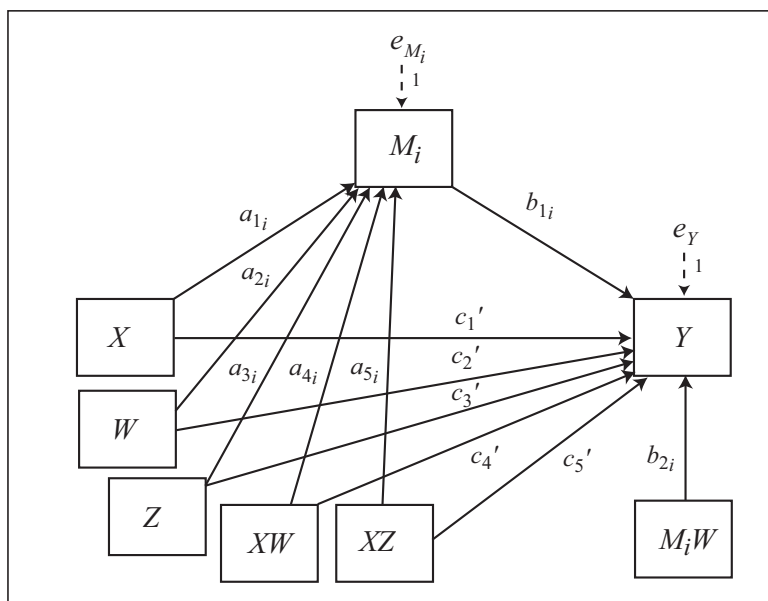
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Model 63

Conceptual Diagram



Statistical Diagram



Conditional indirect effect of X on Y through $M_i = (a_{1i} + a_{4i}W + a_{5i}Z)(b_{1i} + b_{2i}W)$

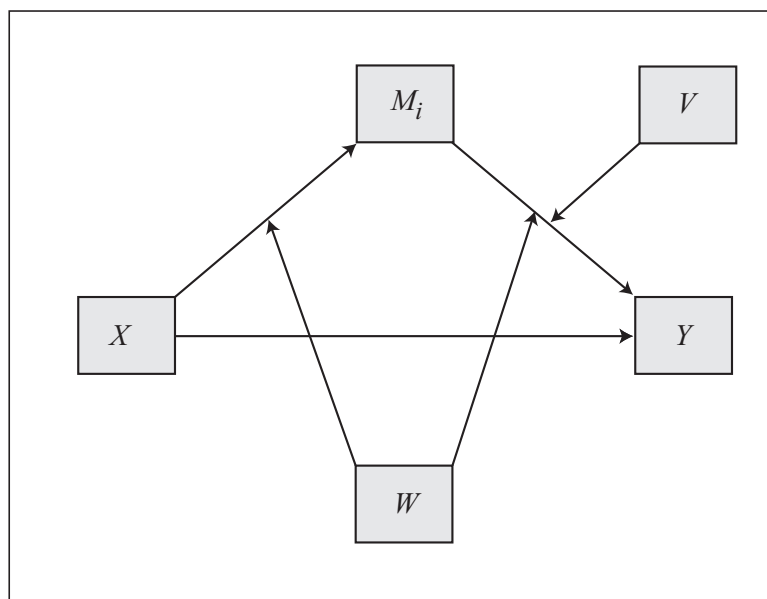
Conditional direct effect of X on Y = $c_{1'} + c_{4'}W + c_{5'}Z$

*Model 63 allows up to 10 mediators operating in parallel

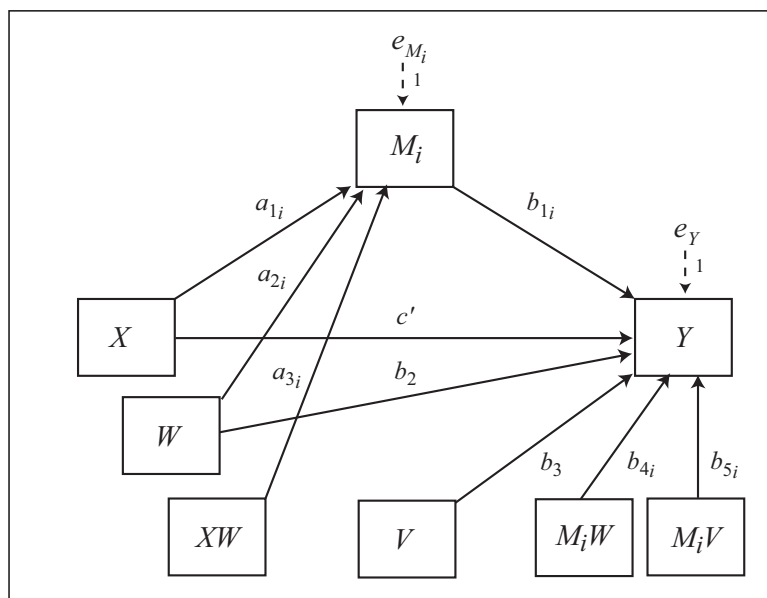
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Model 64

Conceptual Diagram



Statistical Diagram



Conditional indirect effect of X on Y through $M_i = (a_{1i} + a_{3i}W)(b_{1i} + b_{4i}W + b_{5i}V)$

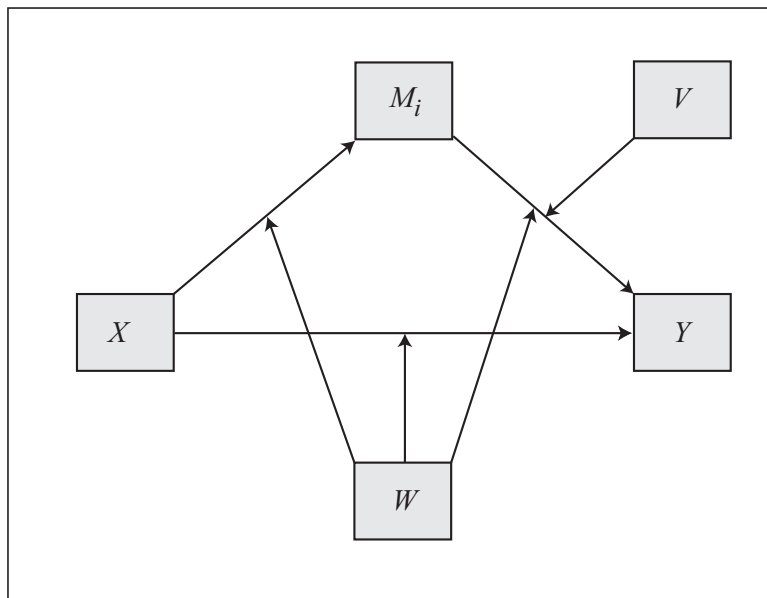
Direct effect of X on $Y = c'$

*Model 64 allows up to 10 mediators operating in parallel

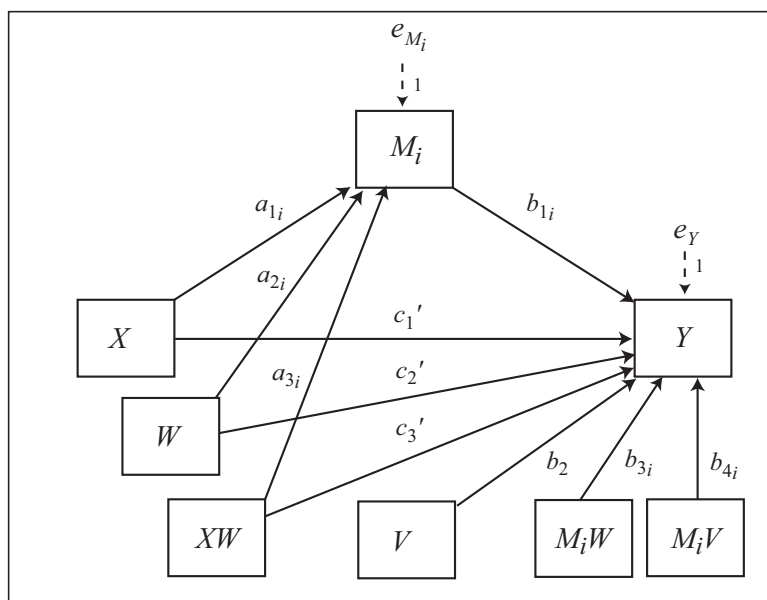
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Model 65

Conceptual Diagram



Statistical Diagram



Conditional indirect effect of X on Y through $M_i = (a_{1i} + a_{3i}W)(b_{1i} + b_{3i}W + b_{4i}V)$

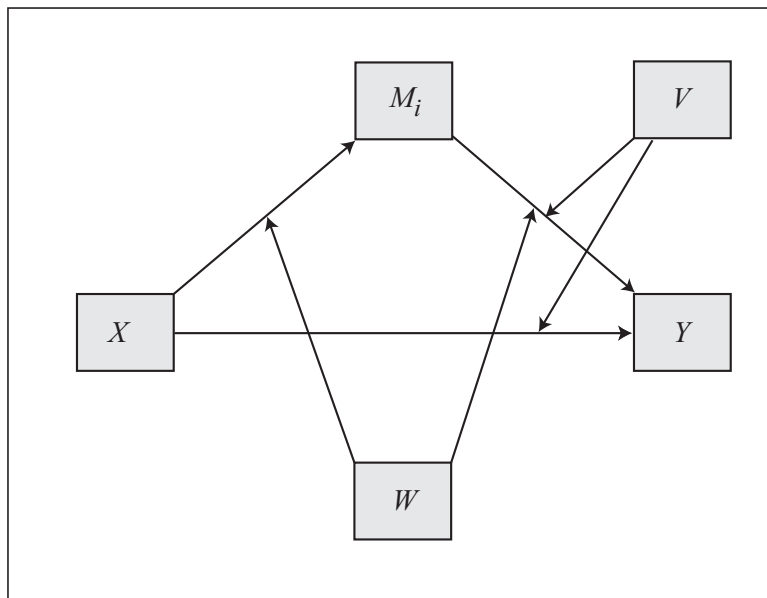
Conditional direct effect of X on $Y = c_1' + c_3'W$

*Model 65 allows up to 10 mediators operating in parallel

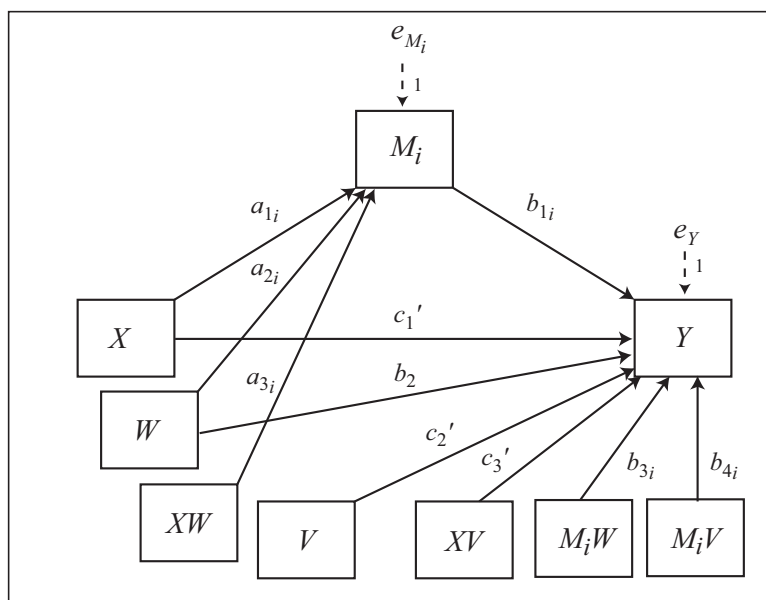
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Model 66

Conceptual Diagram



Statistical Diagram



Conditional indirect effect of X on Y through $M_i = (a_{1i} + a_{3i}W)(b_{1i} + b_{3i}W + b_{4i}V)$

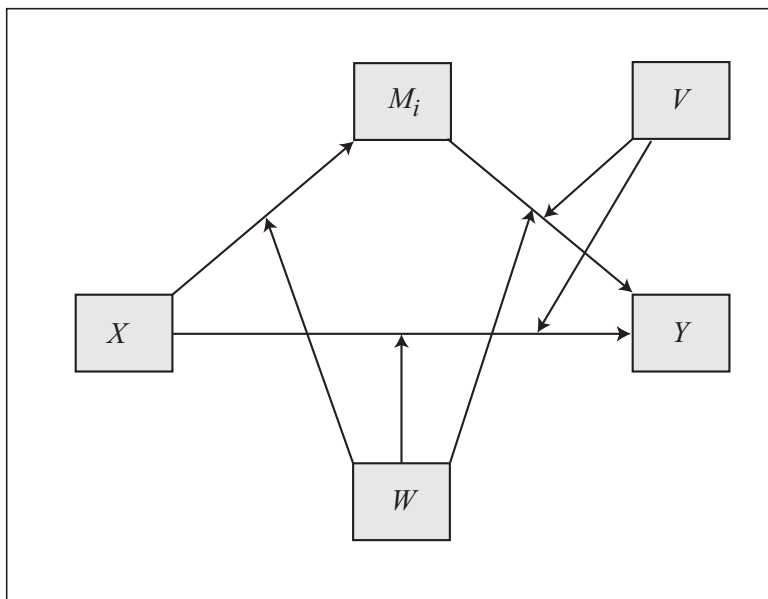
Conditional direct effect of X on $Y = c_1' + c_3'V$

*Model 66 allows up to 10 mediators operating in parallel

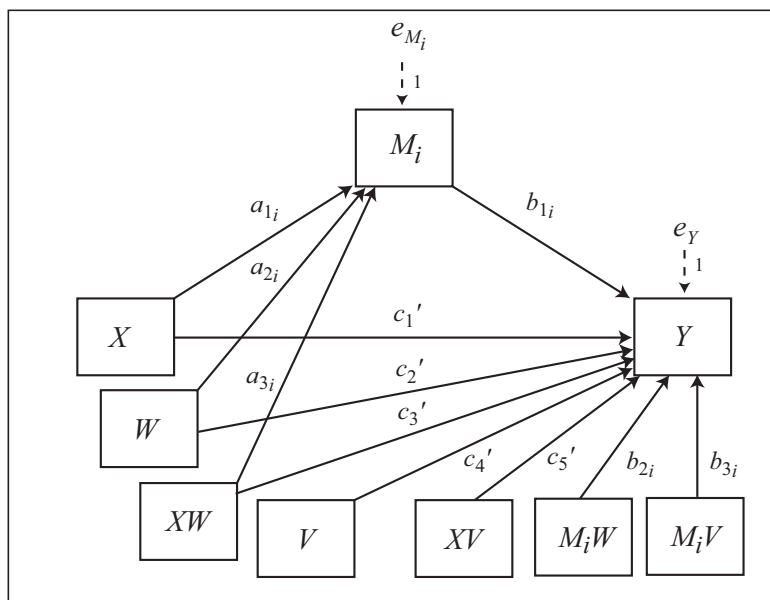
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Model 67

Conceptual Diagram



Statistical Diagram



Conditional indirect effect of X on Y through $M_i = (a_{1i} + a_{3i}W)(b_{1i} + b_{2i}W + b_{3i}V)$

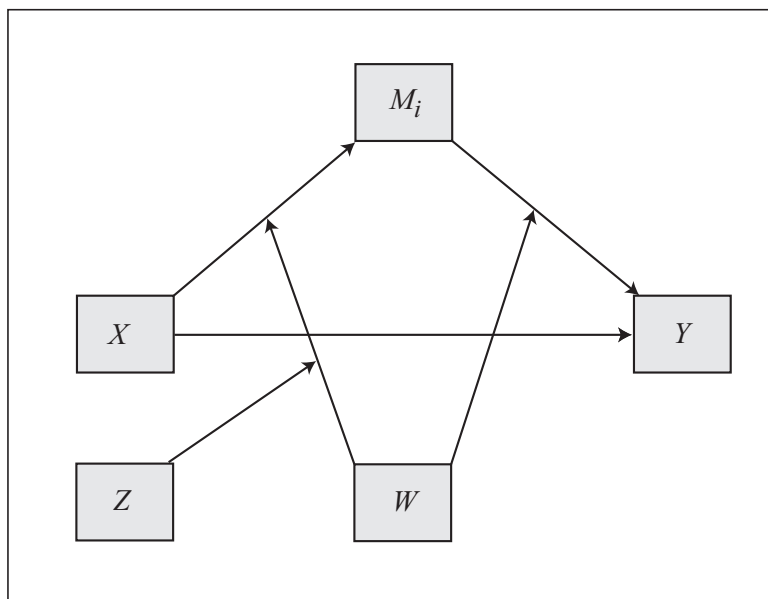
Conditional direct effect of X on $Y = c_1' + c_3'W + c_5'V$

*Model 67 allows up to 10 mediators operating in parallel

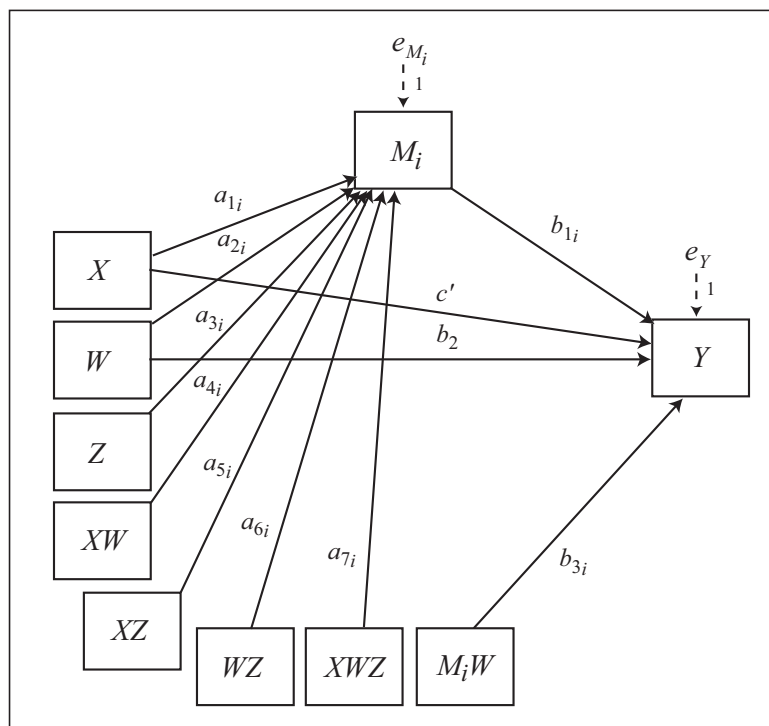
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Model 68

Conceptual Diagram



Statistical Diagram



Conditional indirect effect of X on Y through $M_i = (a_{1i} + a_{4i}W + a_{5i}Z + a_{7i}WZ)(b_{1i} + b_{3i}W)$

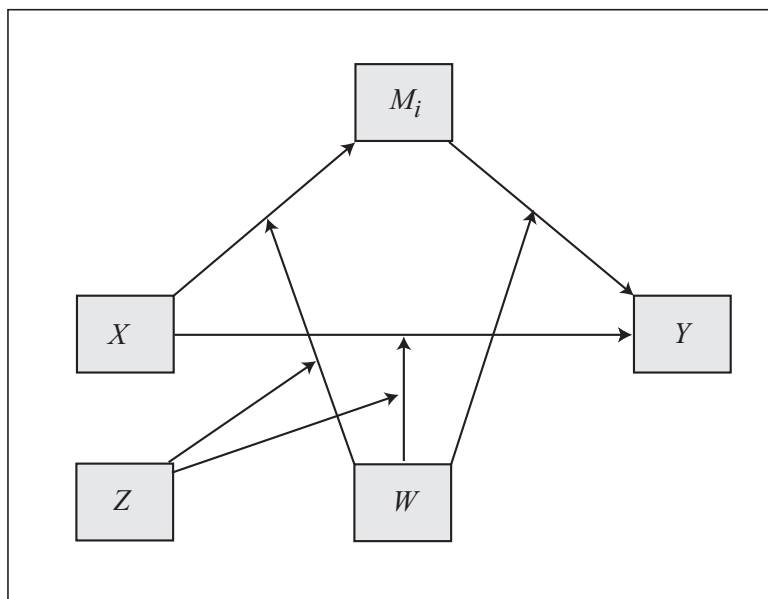
Direct effect of X on $Y = c'$

*Model 68 allows up to 10 mediators operating in parallel

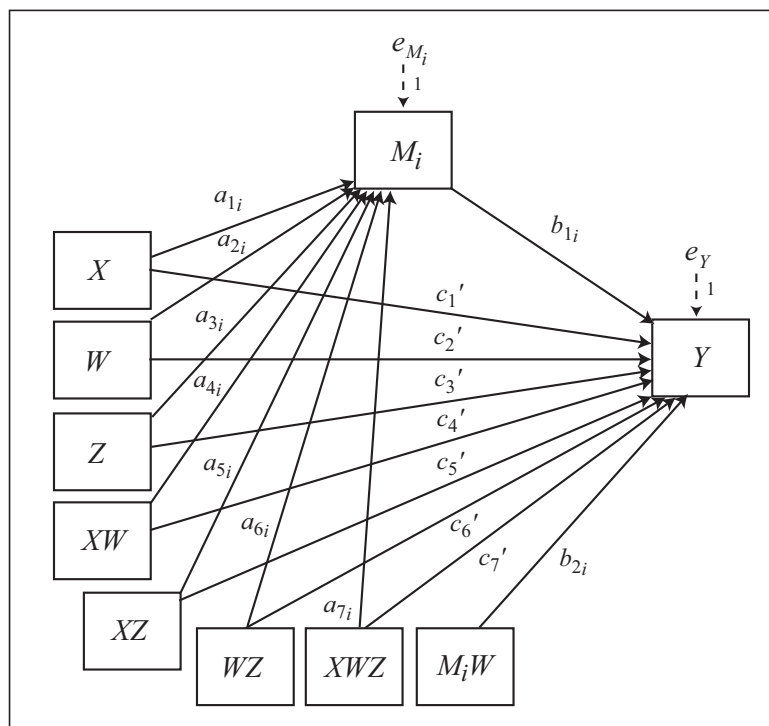
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Model 69

Conceptual Diagram



Statistical Diagram



Conditional indirect effect of X on Y through $M_i = (a_{1i} + a_{4i}W + a_{5i}Z + a_{7i}WZ)(b_{1i} + b_{2i}W)$

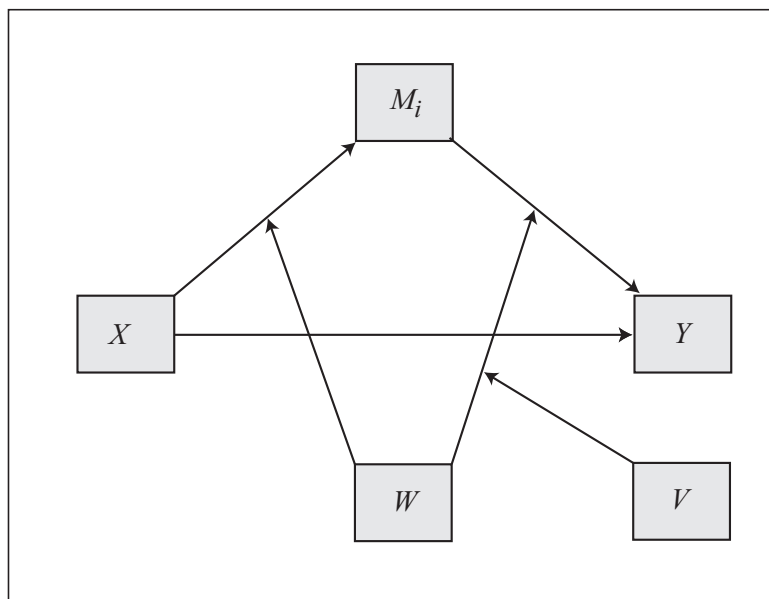
Conditional direct effect of X on $Y = c_1' + c_4'W + c_5'Z + c_7'WZ$

*Model 69 allows up to 10 mediators operating in parallel

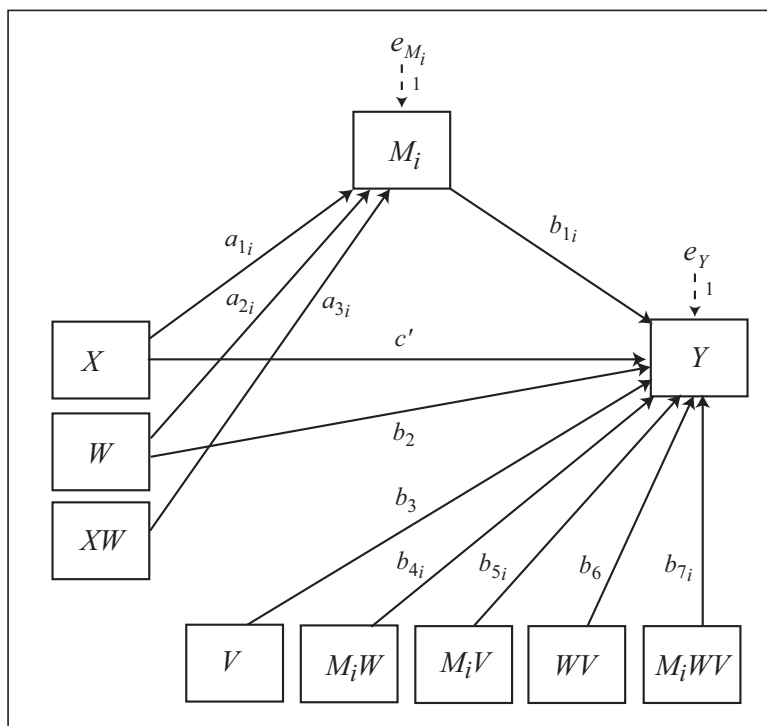
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Model 70

Conceptual Diagram



Statistical Diagram



Conditional indirect effect of X on Y through $M_i = (a_{1i} + a_{3i}W)(b_{1i} + b_{4i}W + b_{5i}V + b_{7i}WV)$

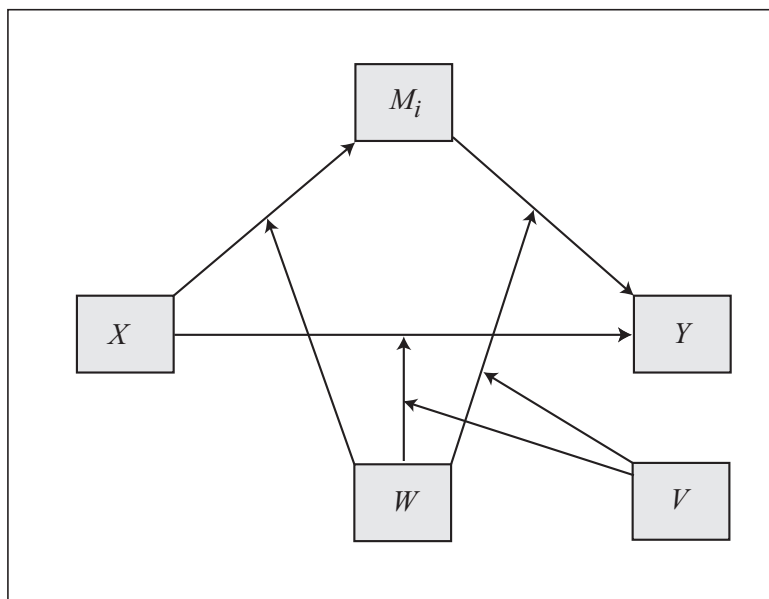
Direct effect of X on $Y = c'$

*Model 70 allows up to 10 mediators operating in parallel

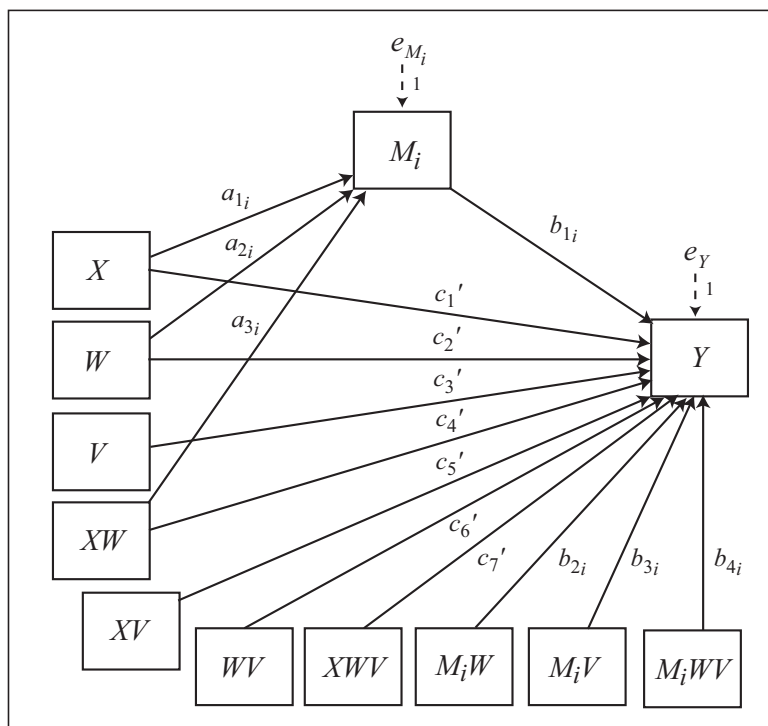
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Model 71

Conceptual Diagram



Statistical Diagram



Conditional indirect effect of X on Y through M_i = (a_{1i} + a_{3i}W)(b_{1i} + b_{2i}W + b_{3i}V + b_{4i}WV)

Conditional direct effect of X on Y = c_{1'} + c_{4'}W + c_{5'}V + c_{7'}WV

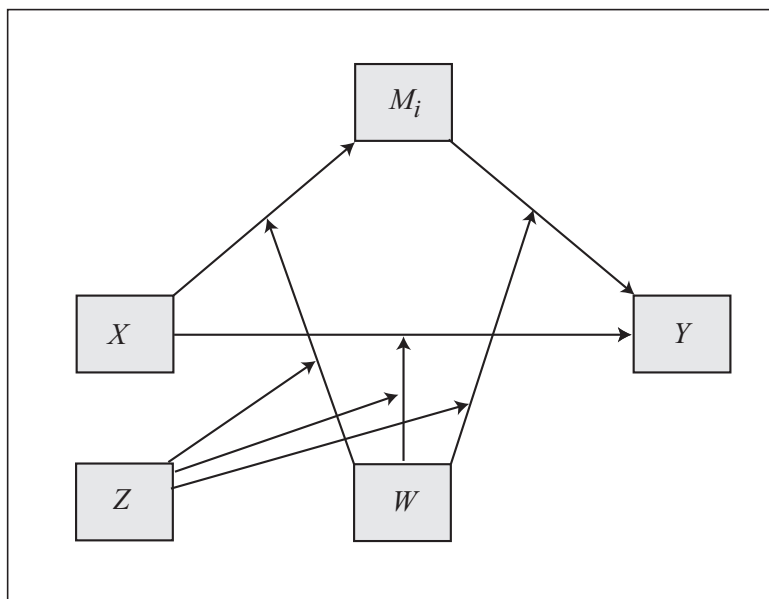
*Model 71 allows up to 10 mediators operating in parallel

*Model 72 allows up to 10 mediators operating in parallel

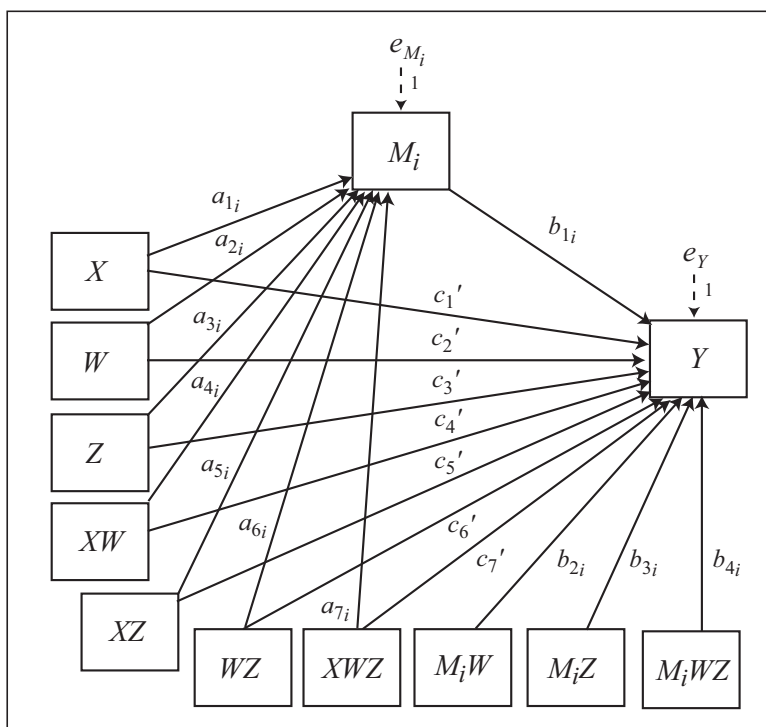
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Model 73

Conceptual Diagram



Statistical Diagram



Conditional indirect effect of X on Y through $M_i = (a_{1i} + a_{4i}W + a_{5i}Z + a_{7i}WZ) \cdot (b_{1i} + b_{2i}W + b_{3i}Z + b_{4i}WZ)$

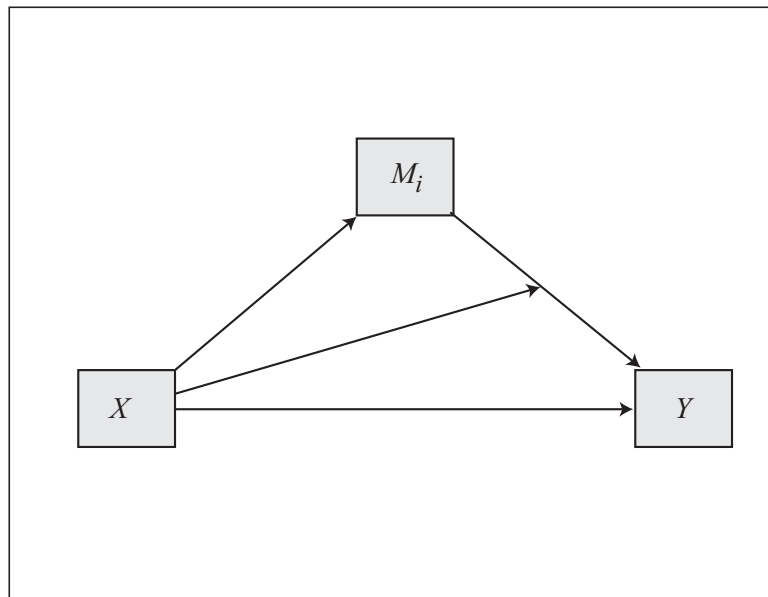
Conditional direct effect of X on $Y = c_{1'} + c_{4'}W + c_{5'}Z + c_{7'}WZ$

*Model 73 allows up to 10 mediators operating in parallel

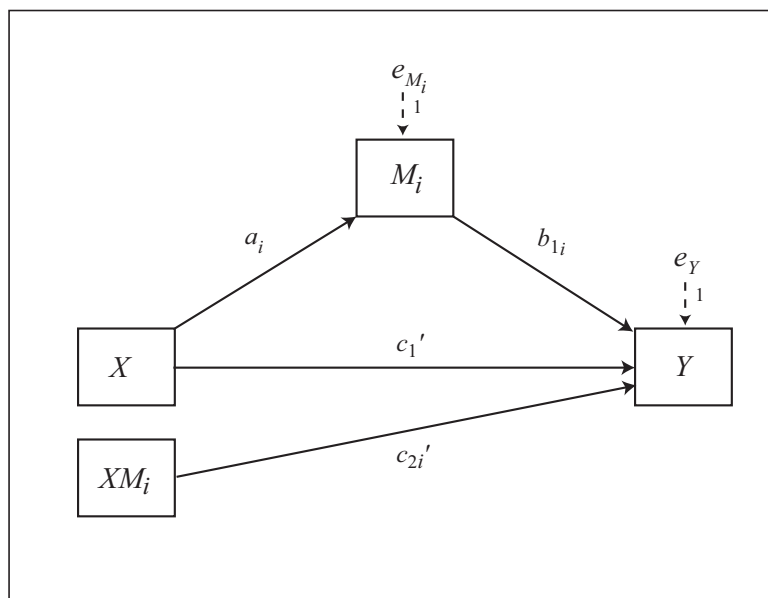
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Model 74

Conceptual Diagram



Statistical Diagram



Conditional indirect effect of X on Y through $M_i = a_i (b_{1i} + c_{2i}'X)$

Conditional direct effect of $X = c_1' + c_{2i}'M$

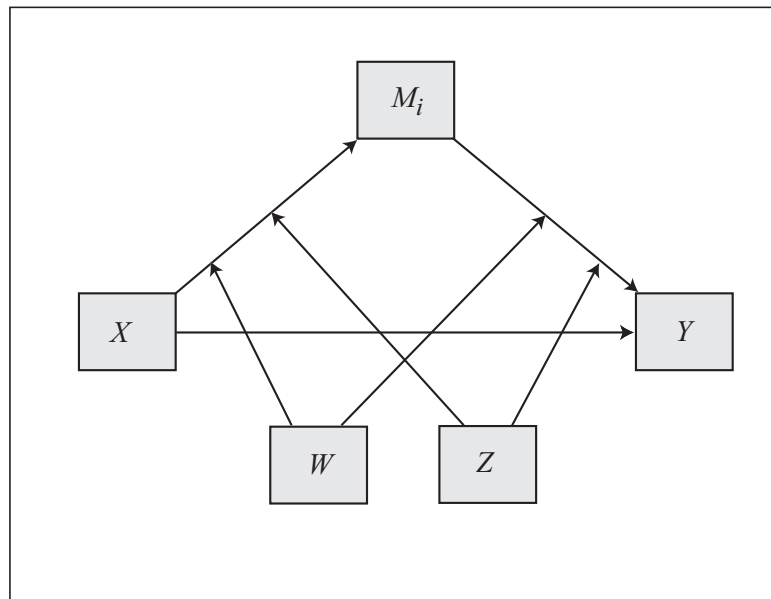
Note: Model 74 allows up to 10 mediators operating in parallel. PROCESS does not produce a table of conditional direct effects for model 74. With only one mediator, use model 1 to generate the conditional direct effects, specifying M as *moderator*.

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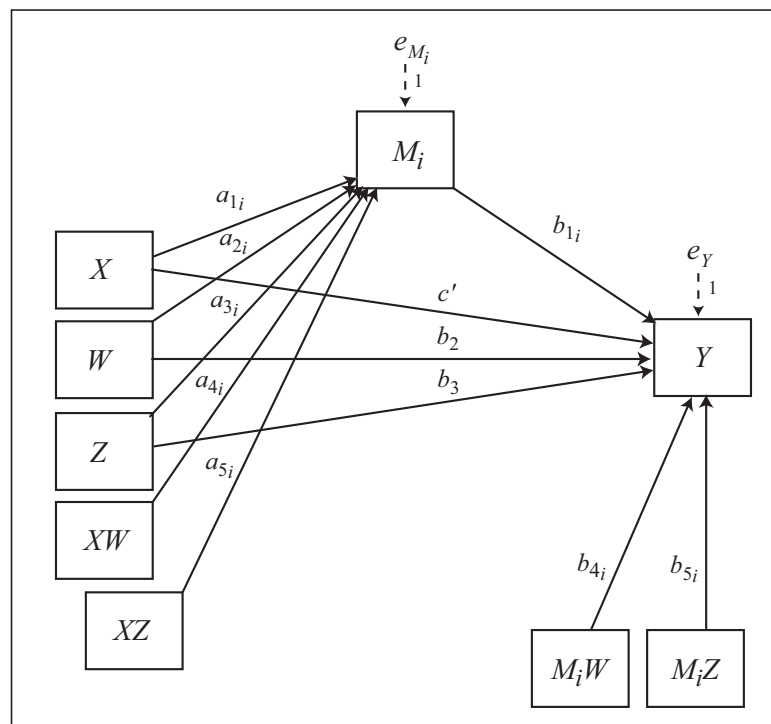
Model 75

(PROCESS v2.05 or later)

Conceptual Diagram



Statistical Diagram



Conditional indirect effect of X on Y through $M_i = (a_{1i} + a_{4i}W + a_{5i}Z)(b_{1i} + b_{4i}W + b_{5i}Z)$

Direct effect of X on $Y = c'$

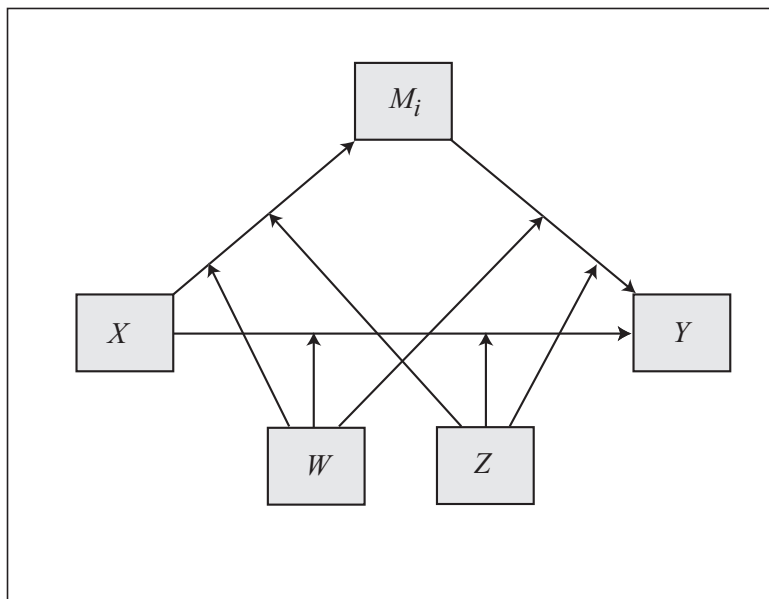
*Model 75 allows up to 10 mediators operating in parallel

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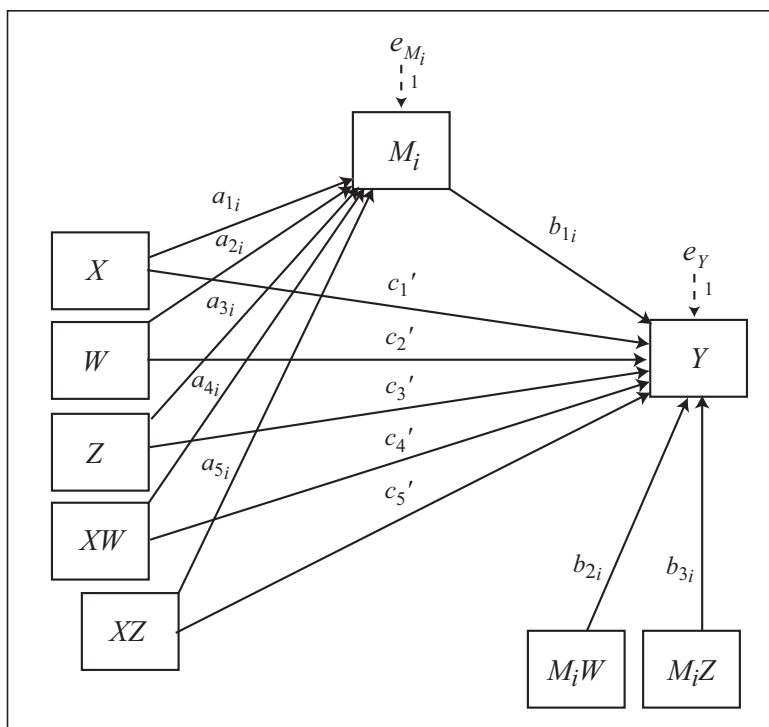
Model 76

(PROCESS v2.05 or later)

Conceptual Diagram



Statistical Diagram

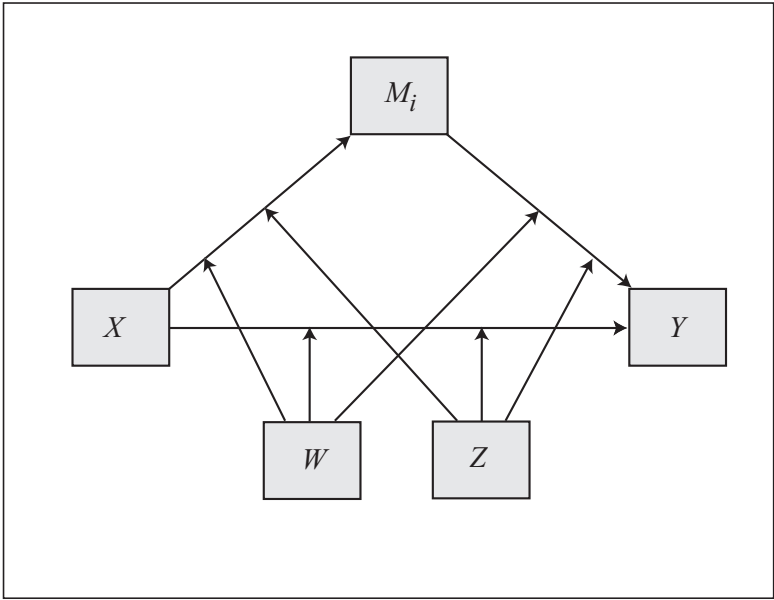


Conditional indirect effect of X on Y through $M_i = (a_{1i} + a_{4i}W + a_{5i}Z)(b_{1i} + b_{2i}W + b_{3i}Z)$

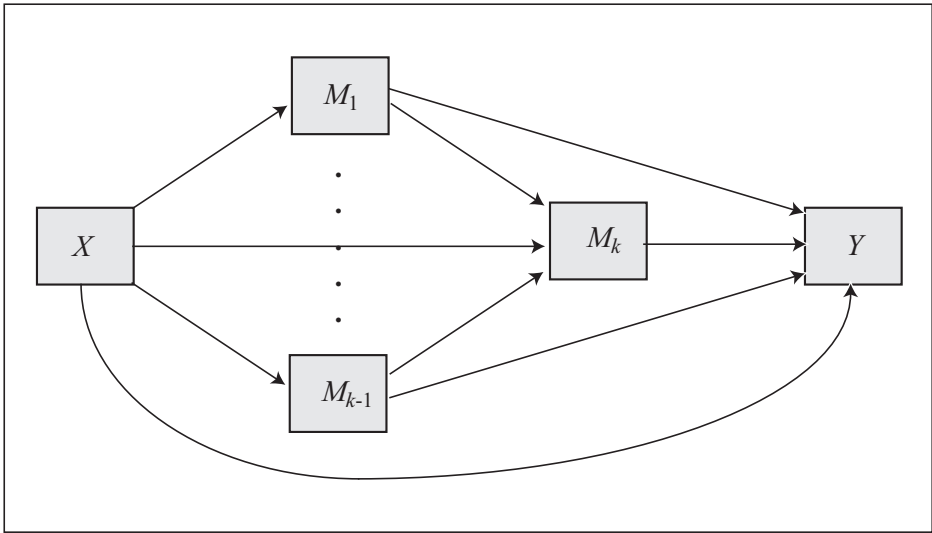
Conditional direct effect of X on $Y = c_1' + c_4'W + c_5'Z$

*Model 76 allows up to 10 mediators operating in parallel

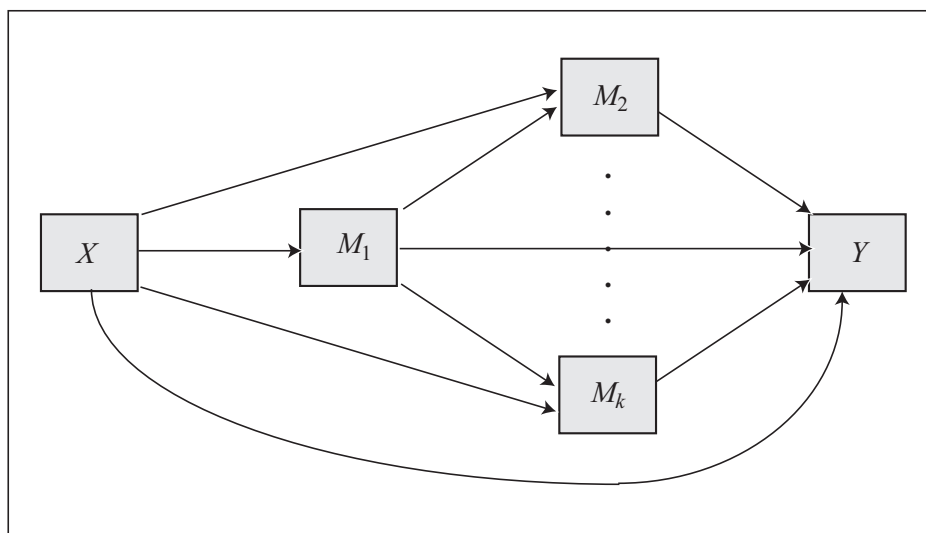
Model 76



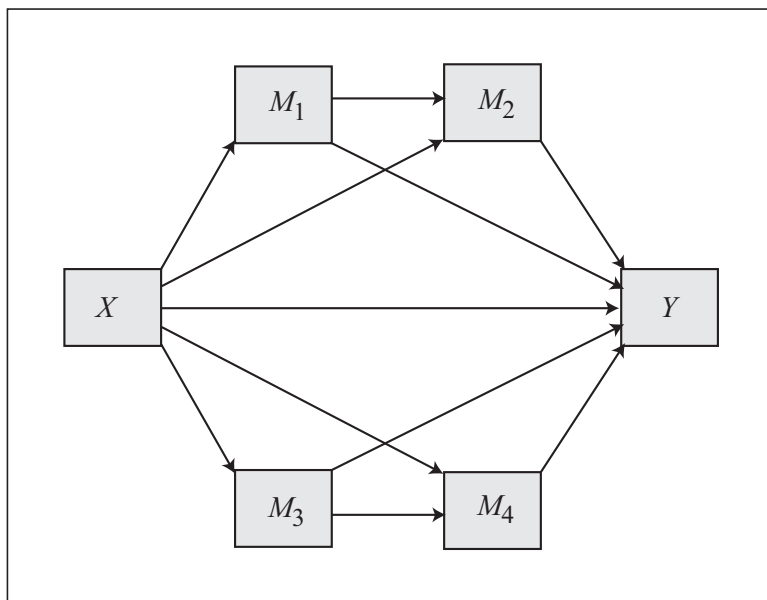
Model 80



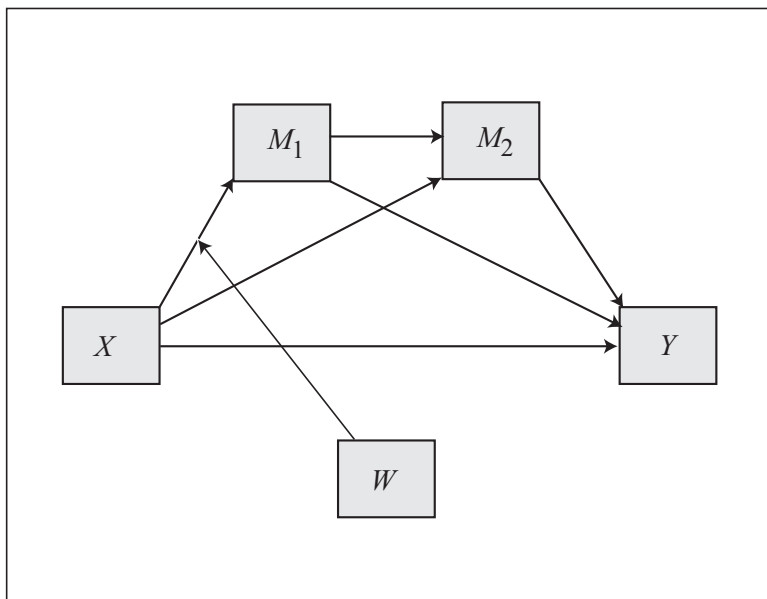
Model 81



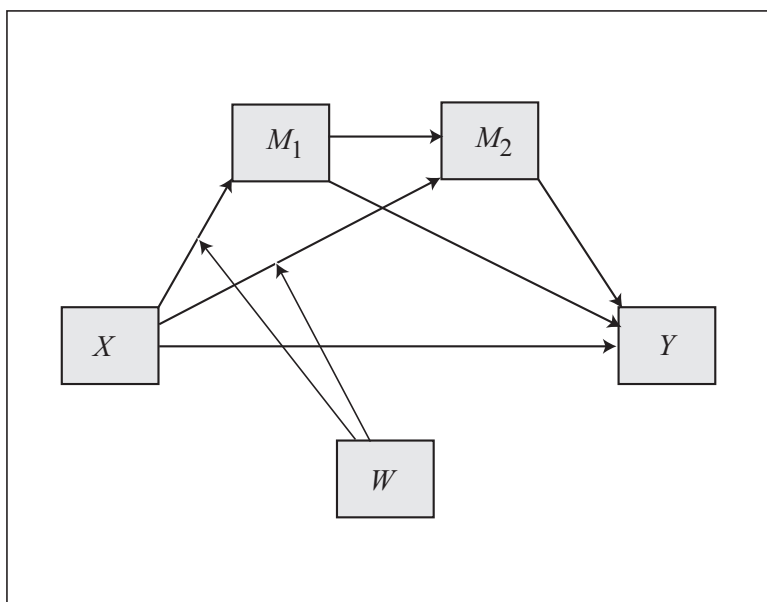
Model 82



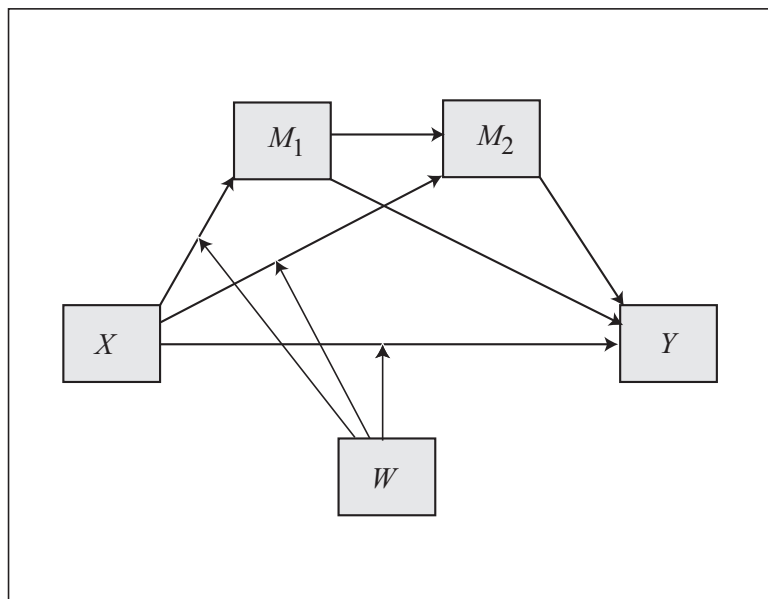
Model 83



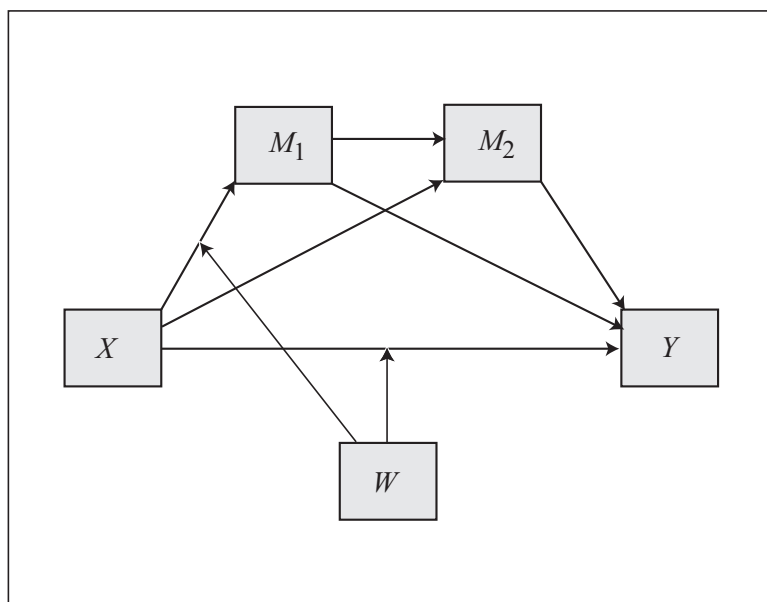
Model 84



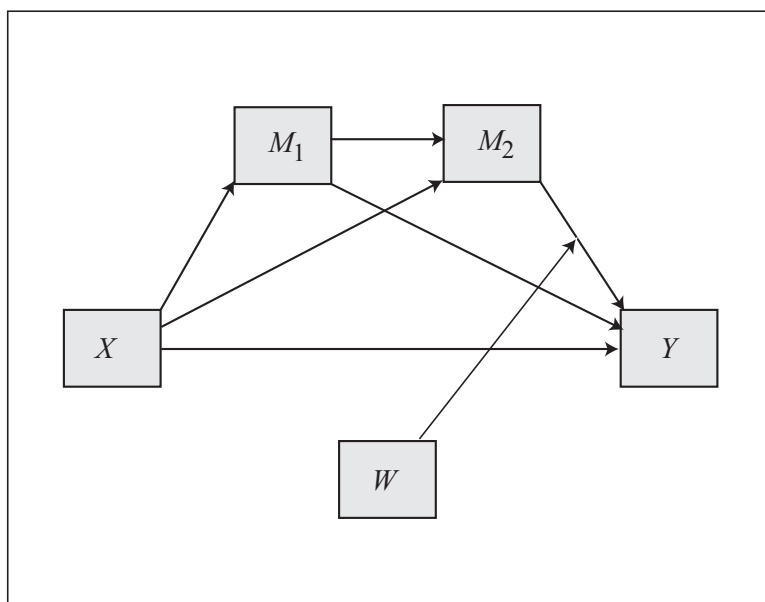
Model 85



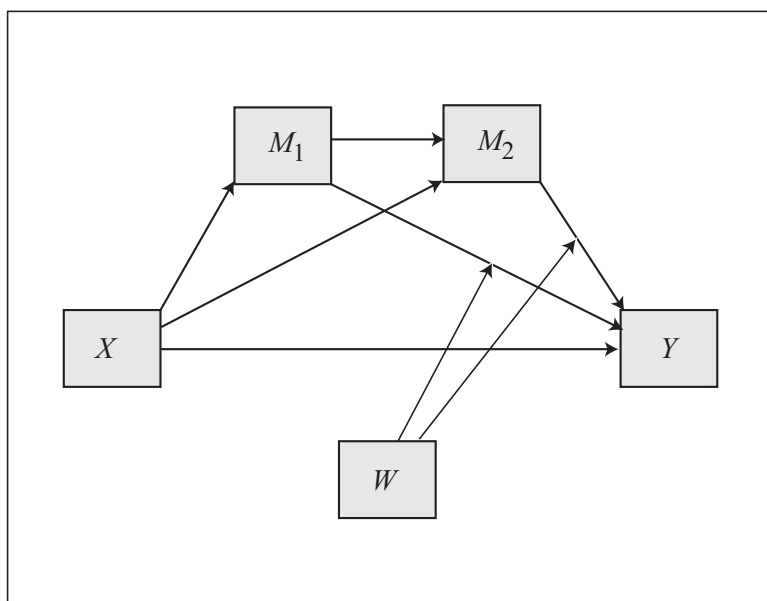
Model 86



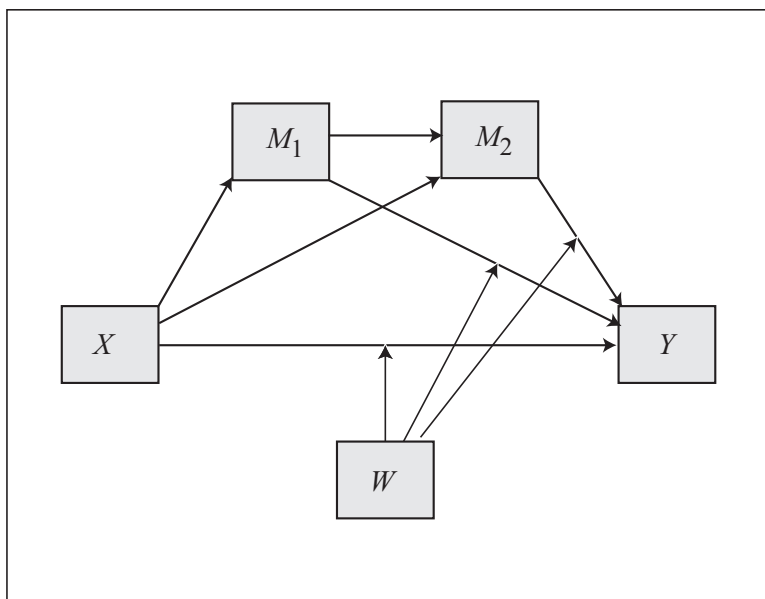
Model 87



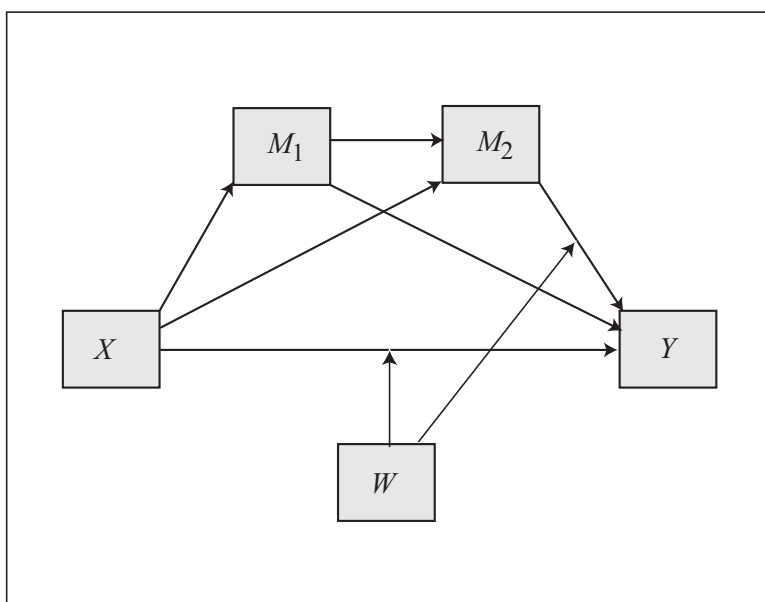
Model 88



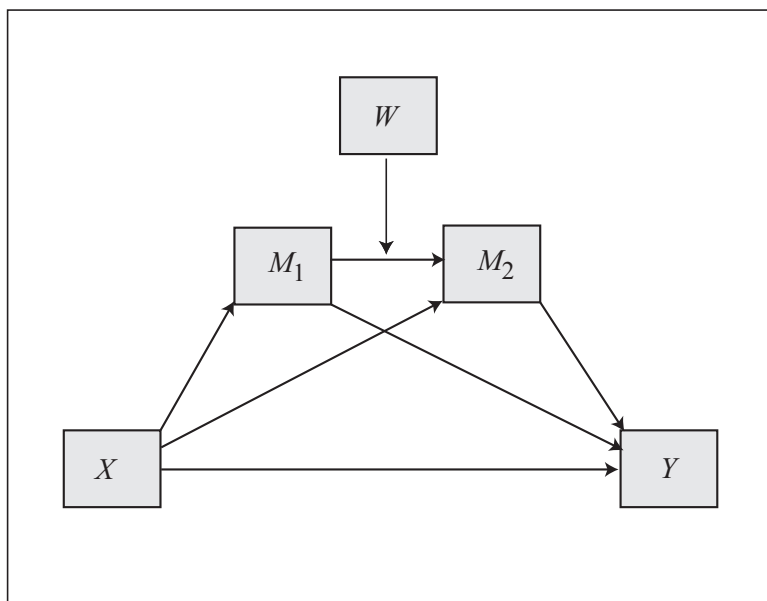
Model 89



Model 90



Model 91



Model 92

