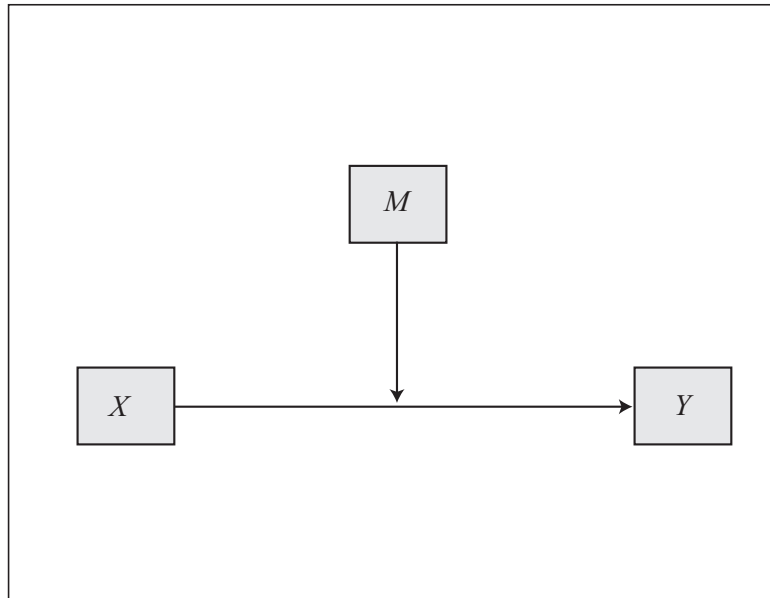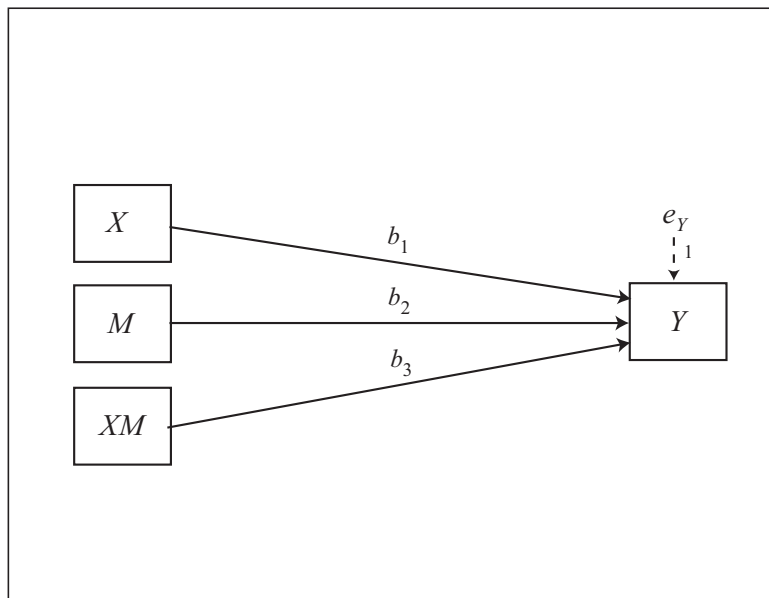# Model 1

Conceptual Diagram

Statistical Diagram

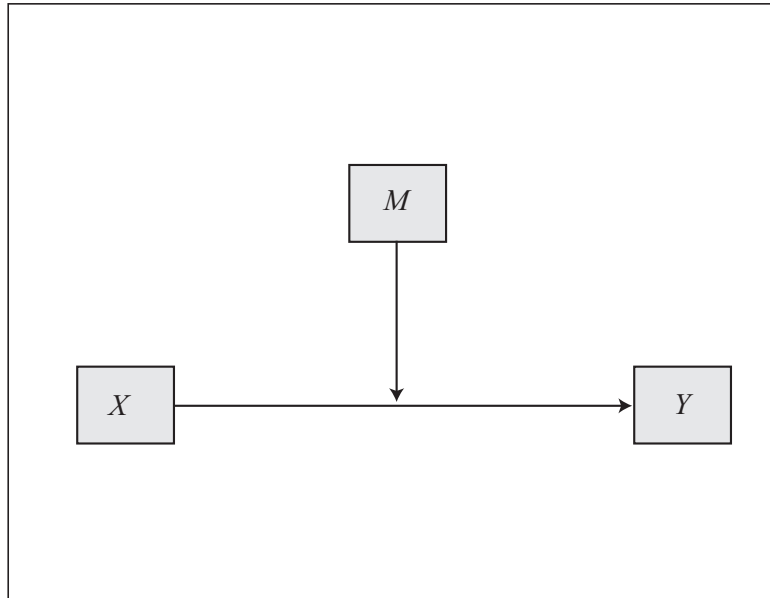
Conditional effect of X on $Y = b_1 + b_3M$

Model 1

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

Conceptual Diagram

Statistical Diagram

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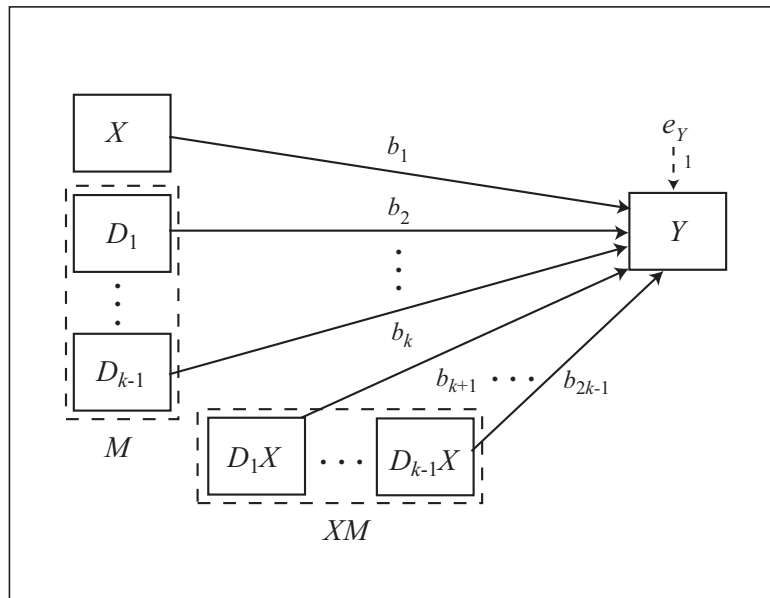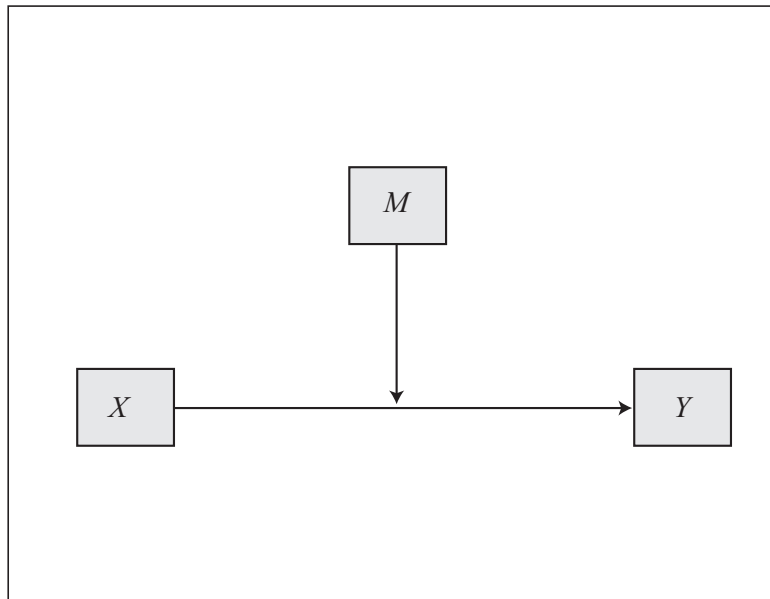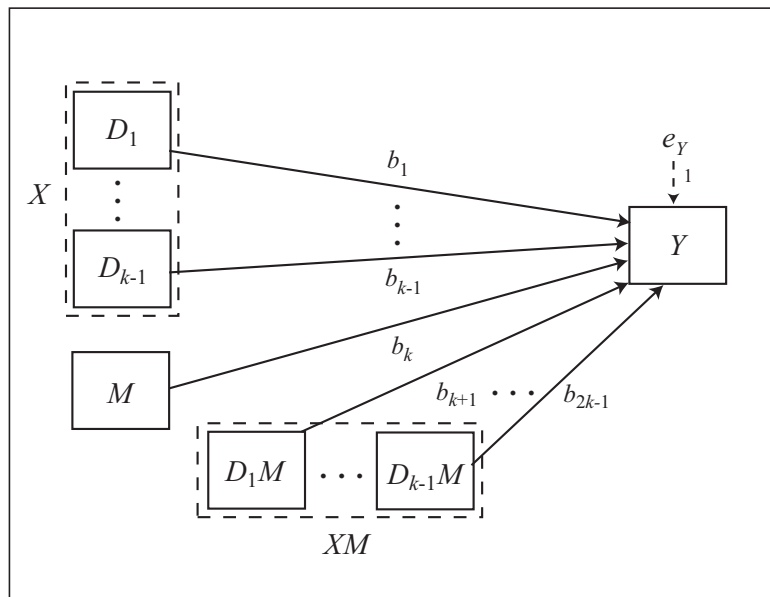
Model 1

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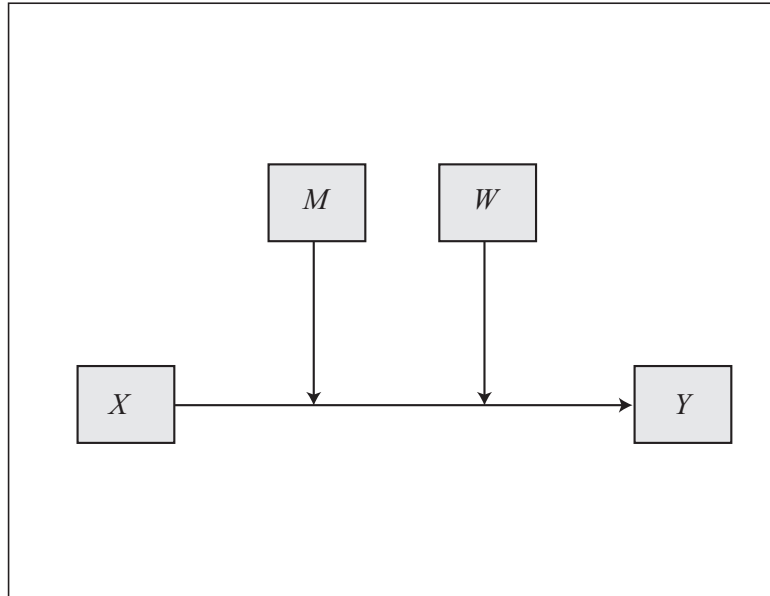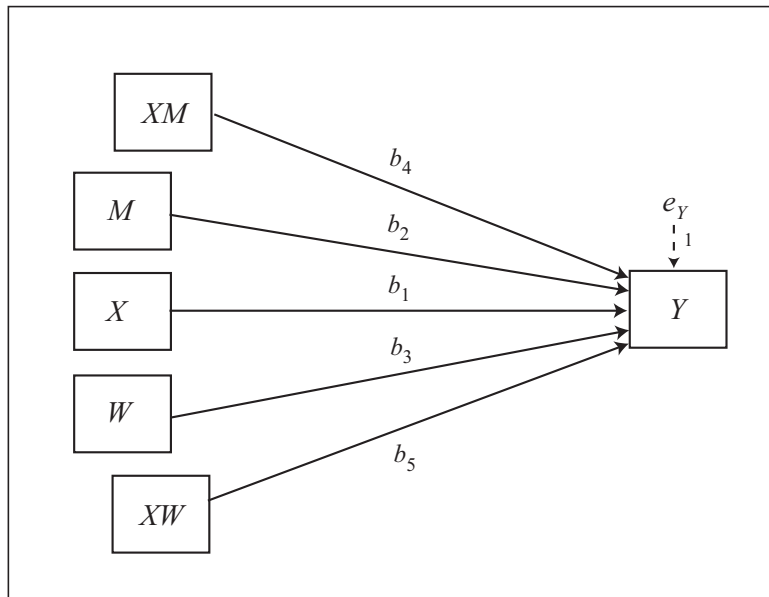
Conceptual Diagram

Statistical Diagram

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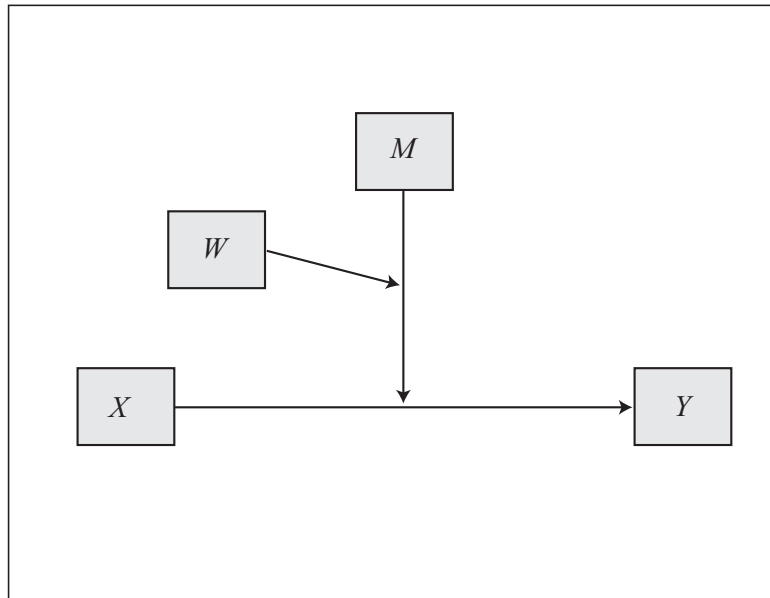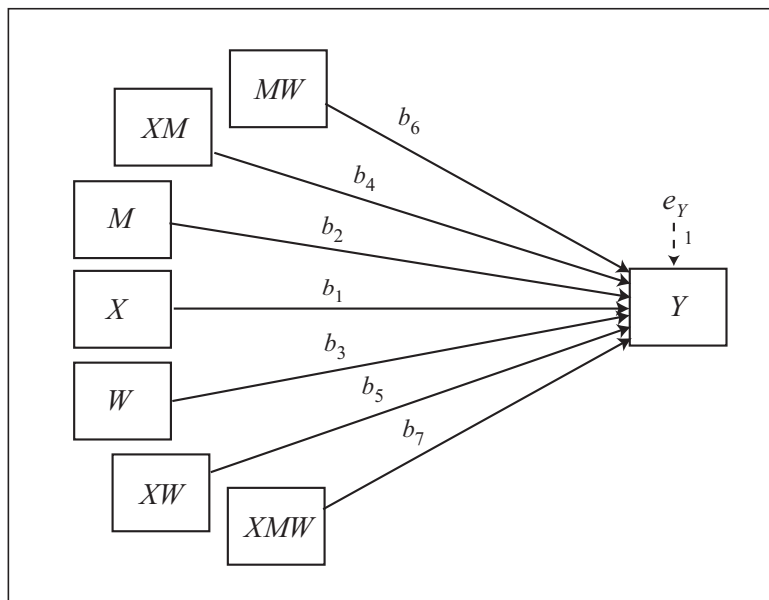
Model 2

Conceptual Diagram

Statistical Diagram

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

Model 3

Conceptual Diagram

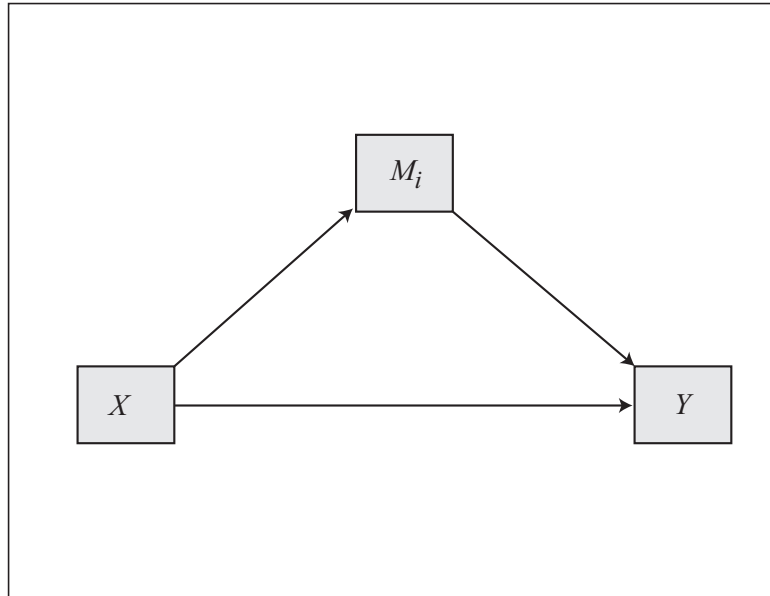### Statistical Diagram

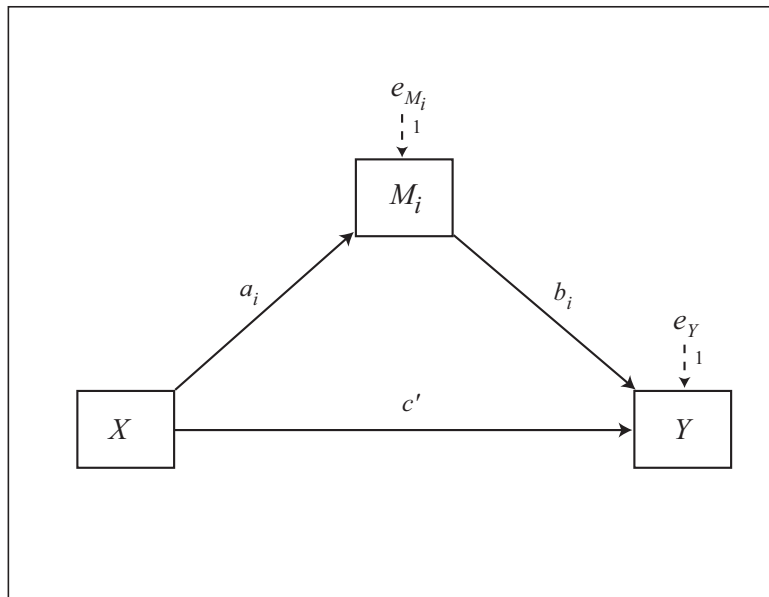

Conditional effect of X on $Y = b_1 + b_4M + b_5W + b_7MW$

Model 4

Conceptual Diagram

Statistical Diagram

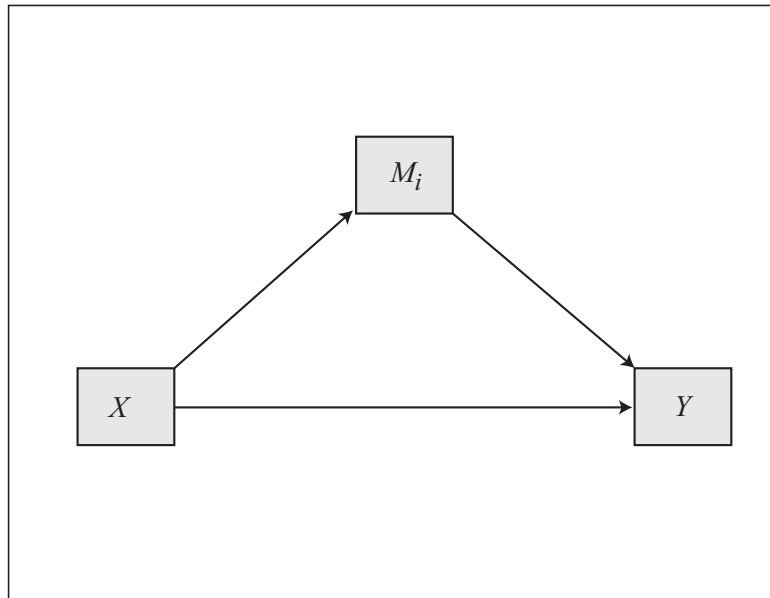Indirect effect of X on Y through $M_i = a_i b_i$

Direct effect of X on $Y = c'$

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

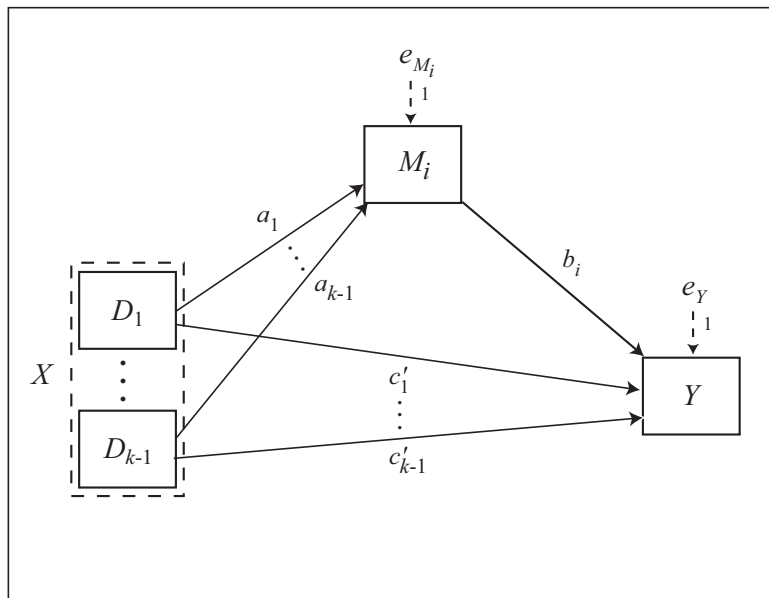**Model 4**
Multicategorical X with k categories
(PROCESS v2.15 or later)

Conceptual Diagram

Statistical Diagram

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

Relative direct effect of X on $Y = \begin{cases} c'_1 \\ \vdots \\ c'_{k-1} \end{cases}$
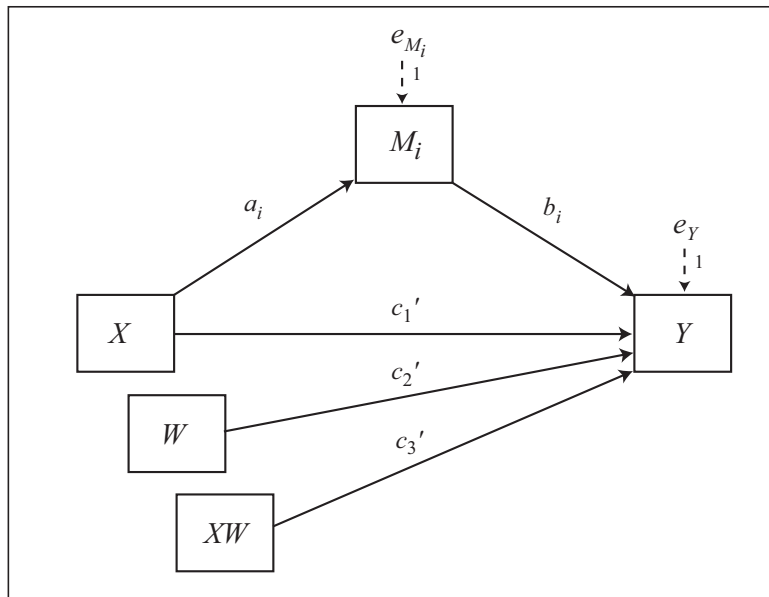
Note: Model 4 allows up to 10 mediators operating in parallel.

Model 5

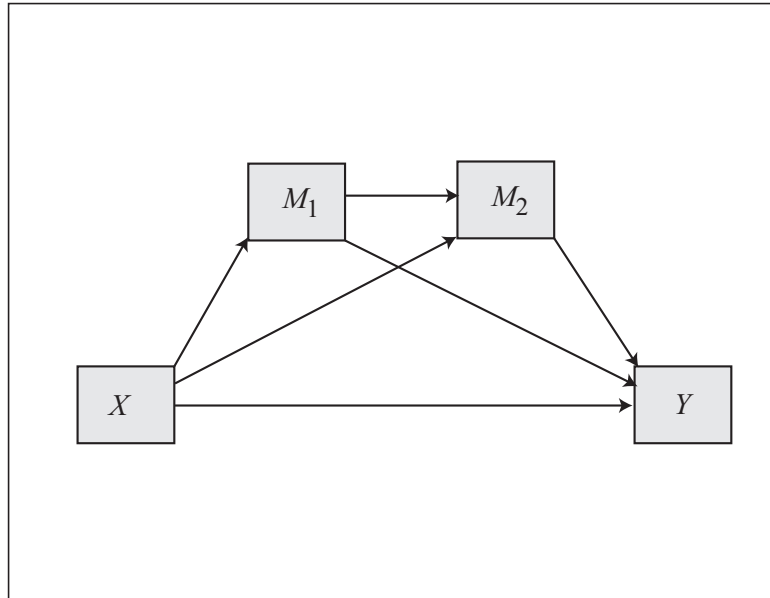## Conceptual Diagram

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

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 $= a_1 \, d_{21} \, b_2$
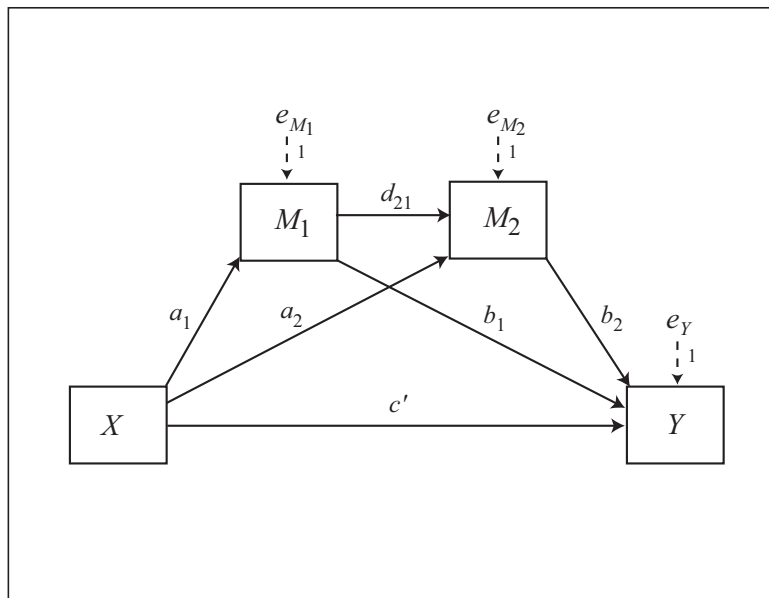Direct effect of X on $Y = c'$

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

Model 6
(3 mediators)

Conceptual Diagram

Statistical Diagram

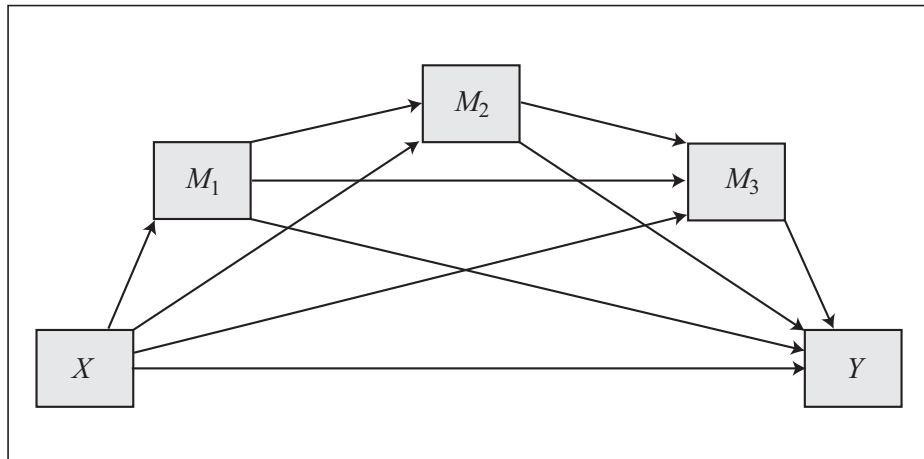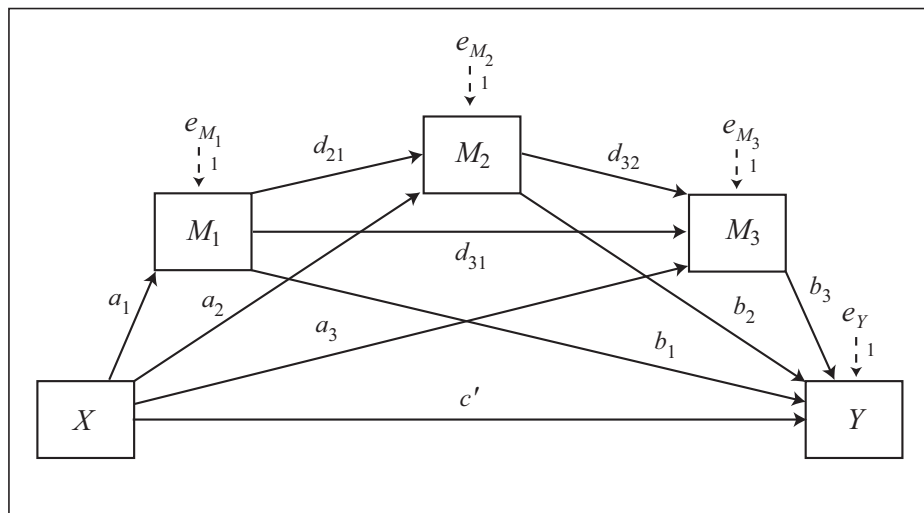Indirect effect of X on Y through M_i only = $a_i b_i$
Indirect effect of X on Y through M_1 and M_2 in serial = $a_1 d_{21} b_2$
Indirect effect of X on Y through M_1 and M_3 in serial = $a_1 d_{31} b_3$
Indirect effect of X on Y through M_2 and M_3 in serial = $a_2 d_{32} b_3$
Indirect effect of X 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'

Model 6
(4 mediators)
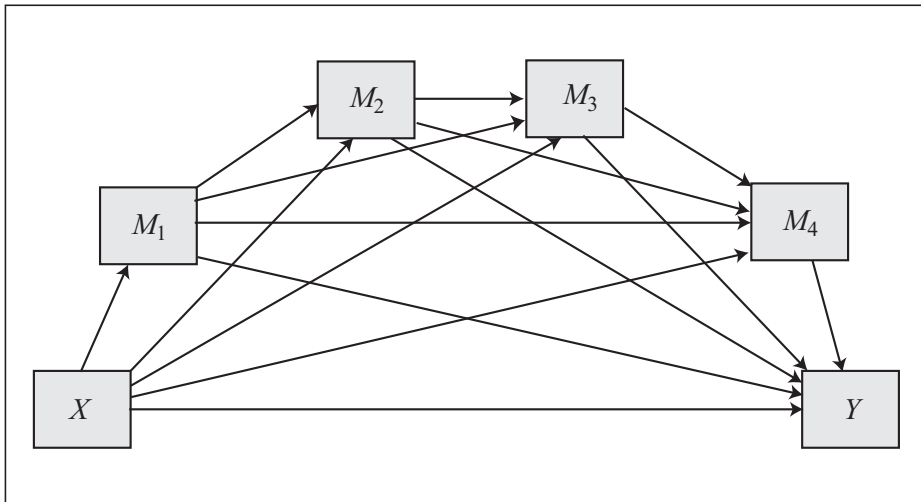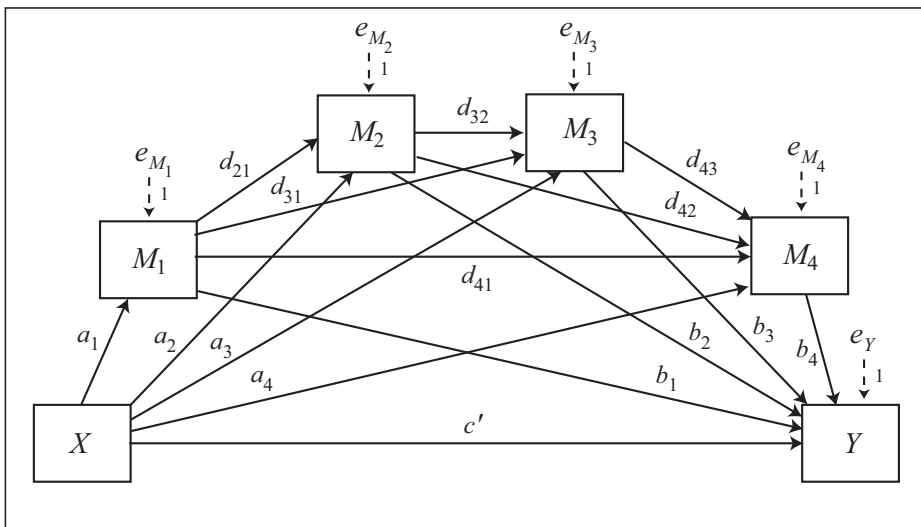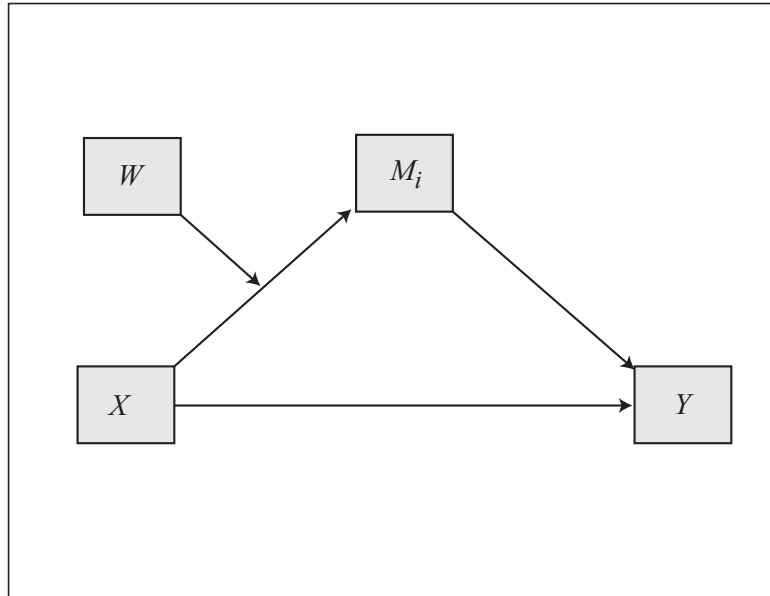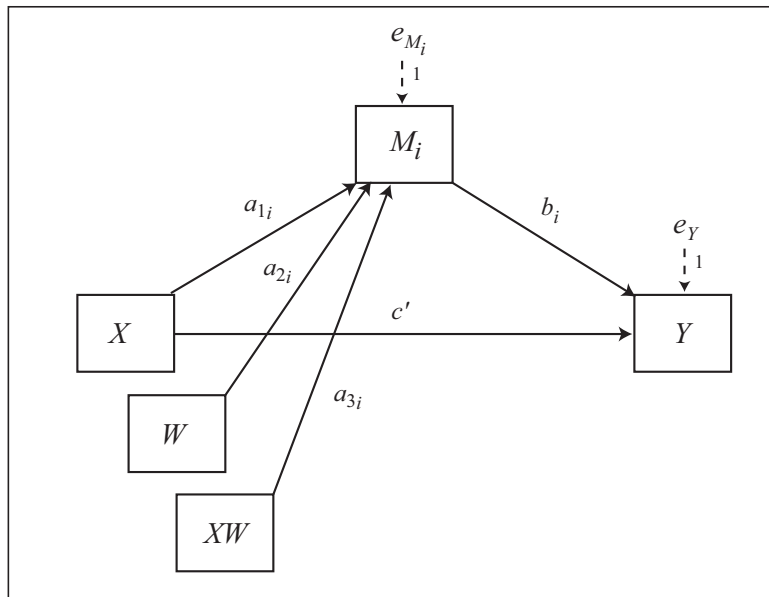
Conceptual Diagram

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 $Y = c'$

Model 7

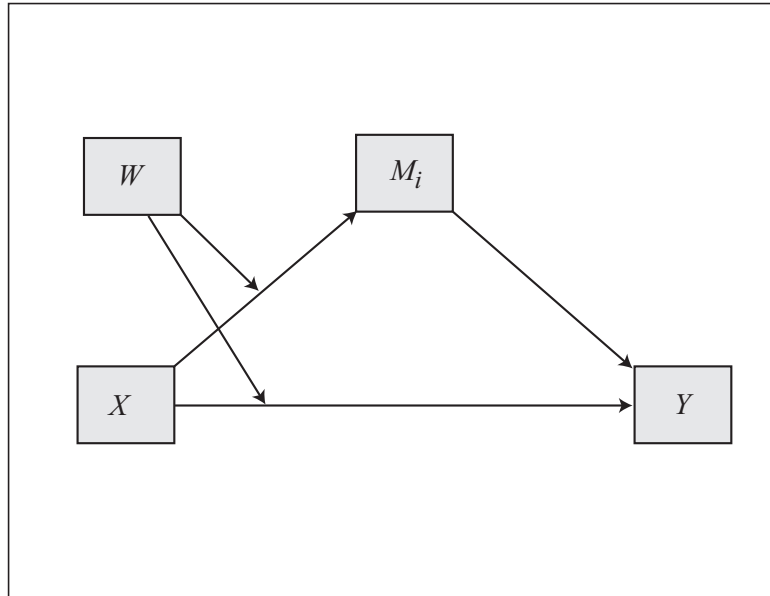### Conceptual Diagram

Statistical Diagram

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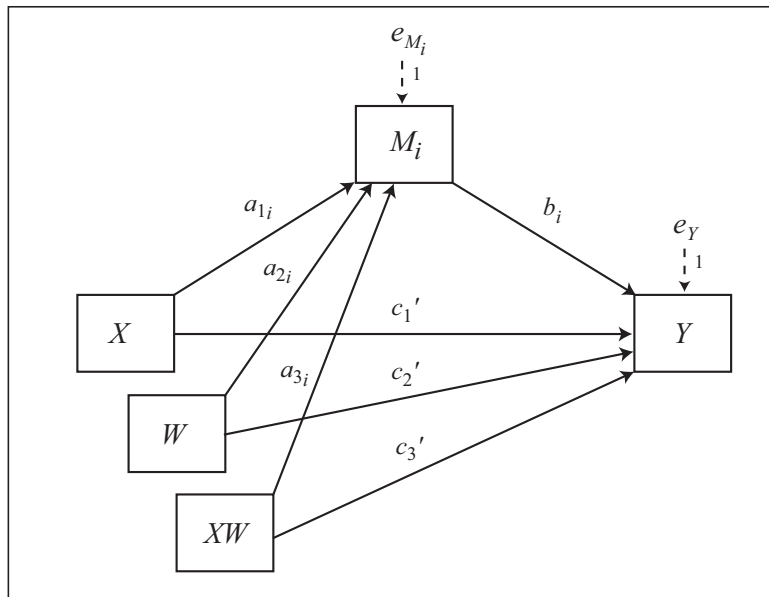
Direct effect of X on $Y = c'$

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

Model 8

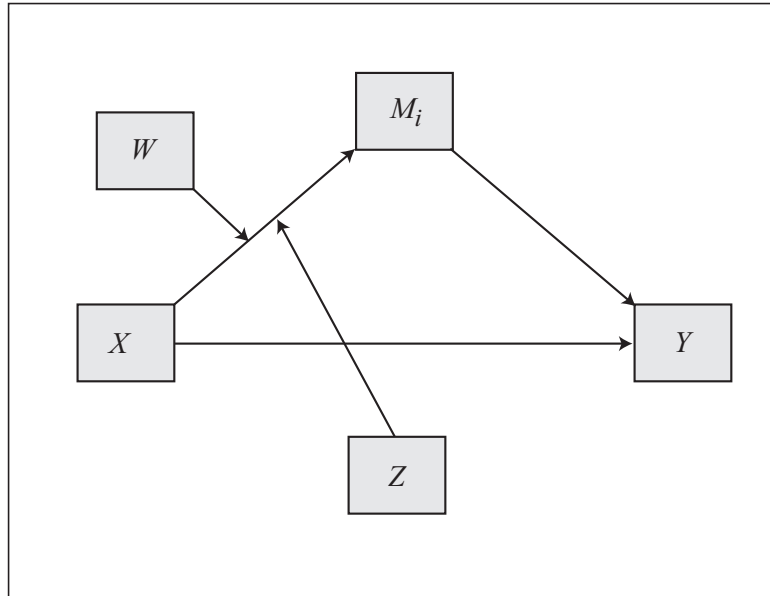### Conceptual Diagram

Statistical Diagram

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

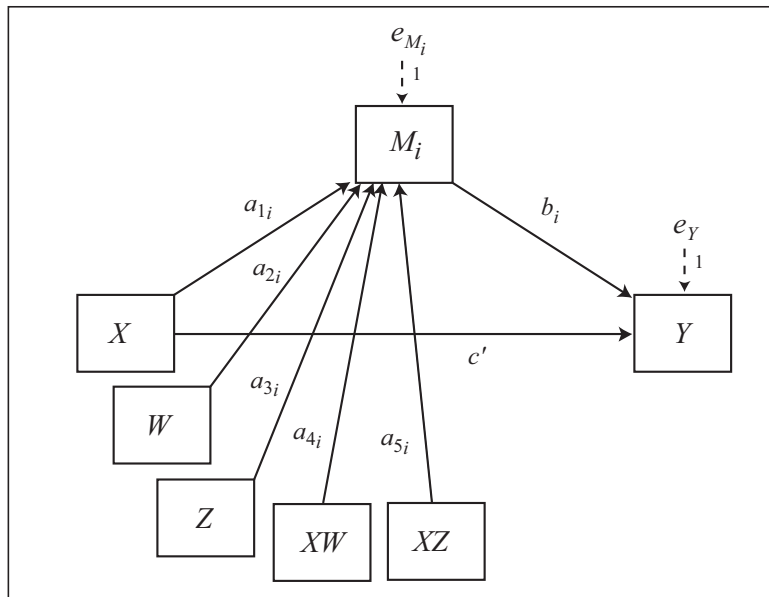Conditional direct effect of X on $Y = c_1' + c_3'W$

Note: Model 8 allows up to 10 mediators operating in parallel.
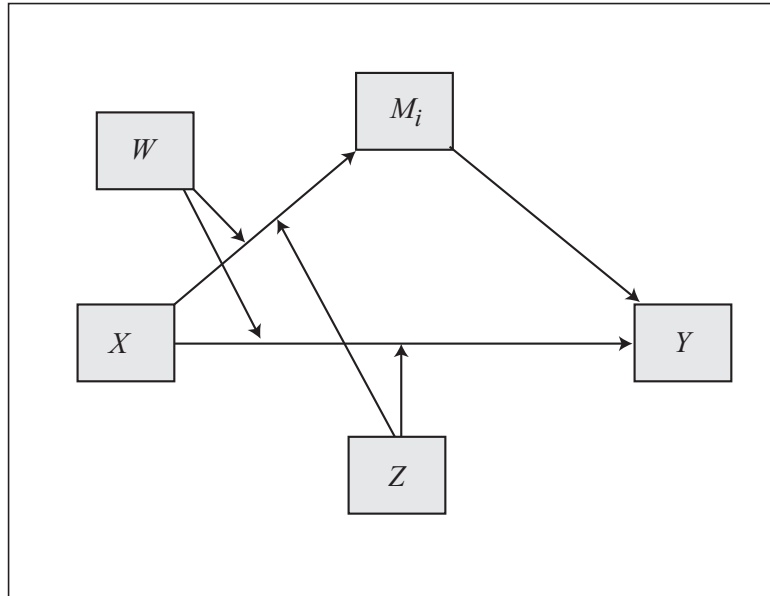
Model 9

Conceptual Diagram

Statistical Diagram

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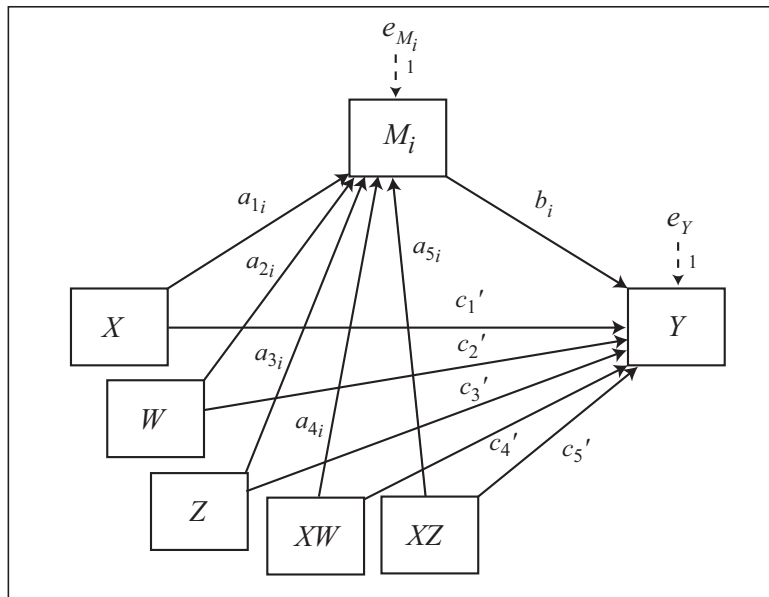
Direct effect of X on $Y = c'$

*Model 9 allows up to 10 mediators operating in parallel

Model 10

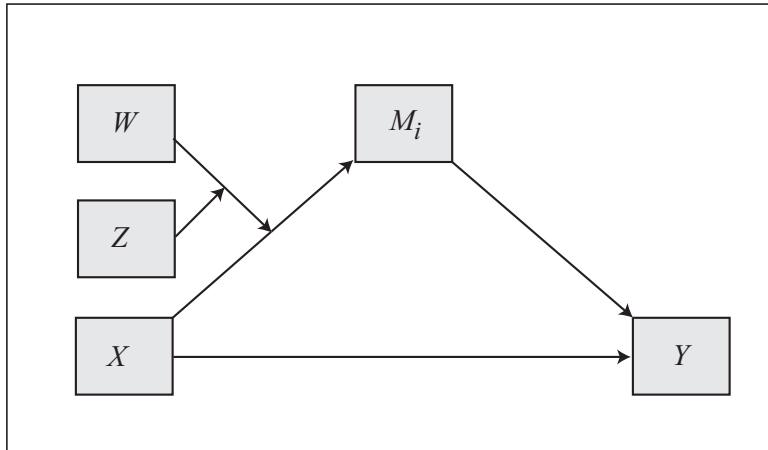### Conceptual Diagram

Statistical Diagram

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

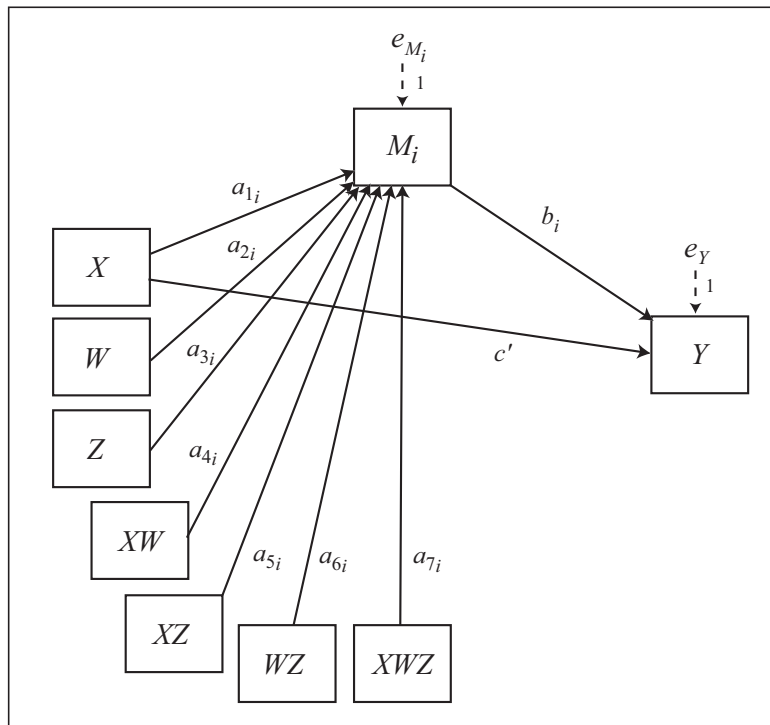Conditional direct effect of X on $Y = c_1' + c_4'W + c_5'Z$

*Model 10 allows up to 10 mediators operating in parallel

Model 11

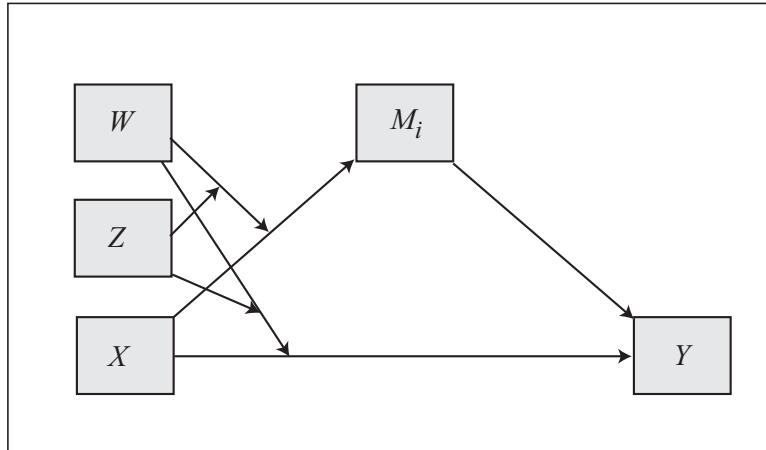### Conceptual Diagram

Statistical Diagram

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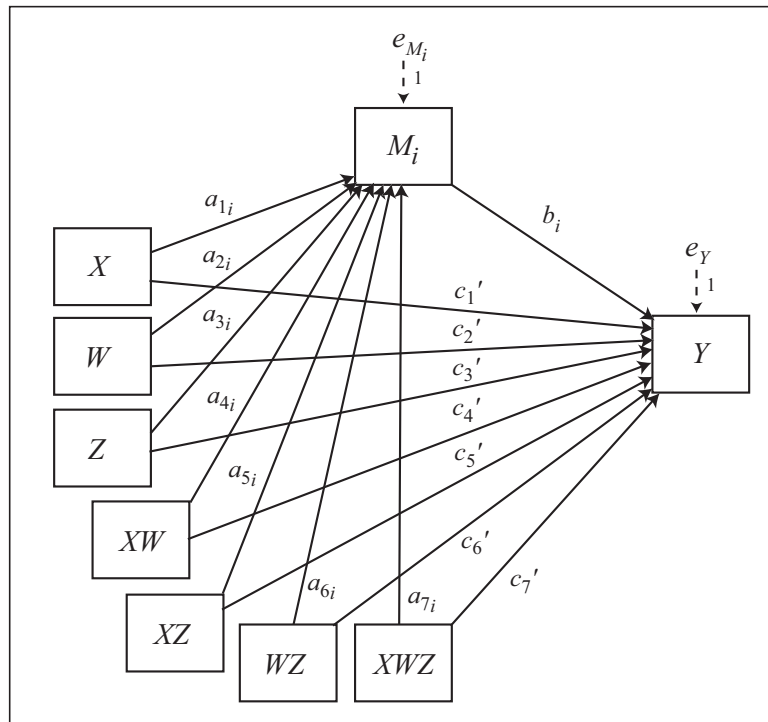
Direct effect of X on $Y = c'$

*Model 11 allows up to 10 mediators operating in parallel

Model 12

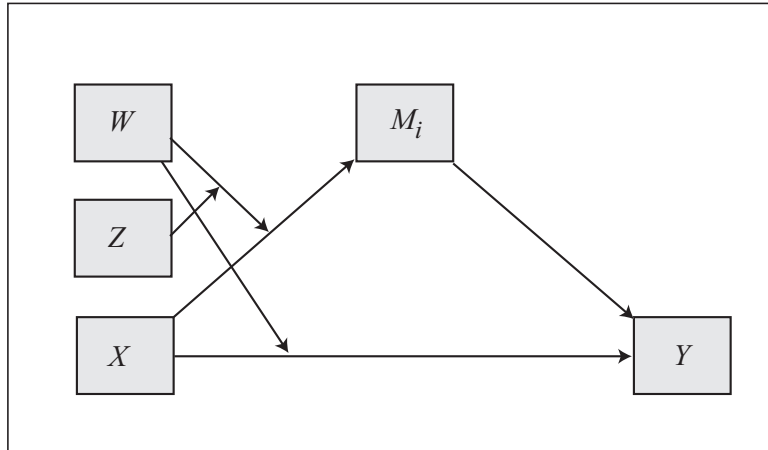### Conceptual Diagram

Statistical Diagram

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

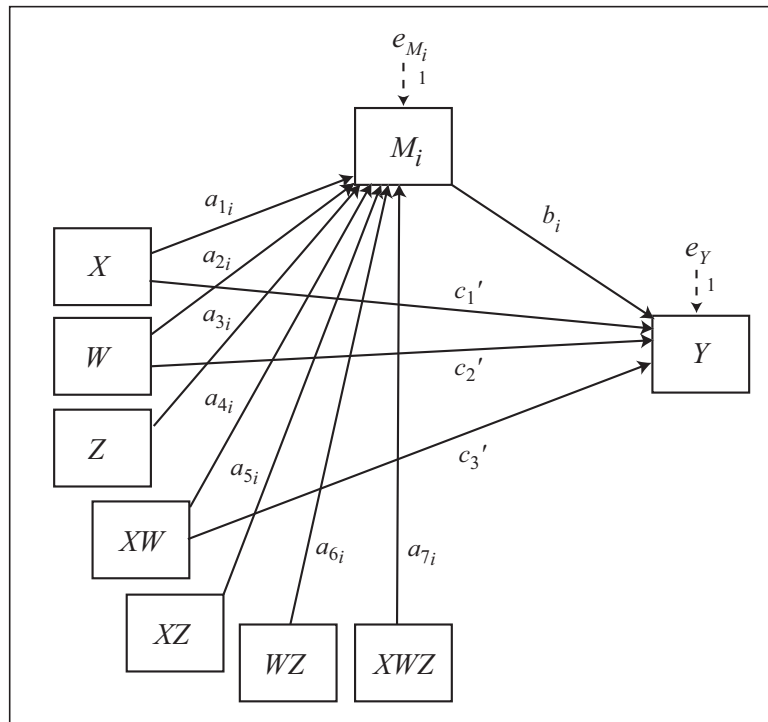Conditional direct effect of X on $Y = c_1' + c_4'W + c_5'Z + c_7'WZ$

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

Model 13

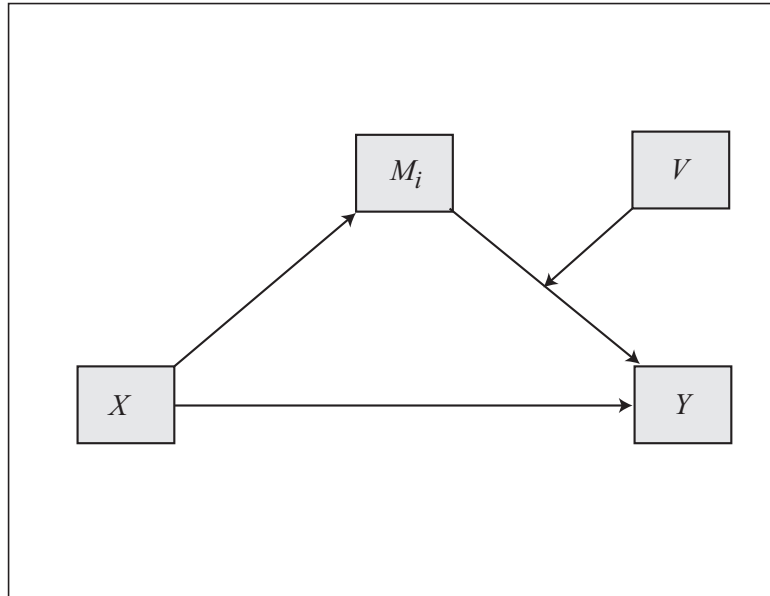### Conceptual Diagram

Statistical Diagram

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

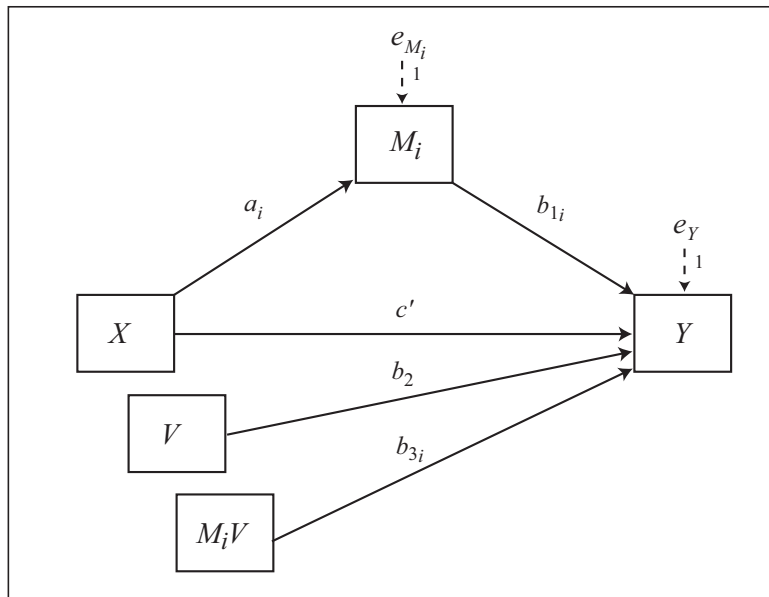Conditional direct effect of X on $Y = c_1' + c_3'W$

*Model 13 allows up to 10 mediators operating in parallel

Model 14

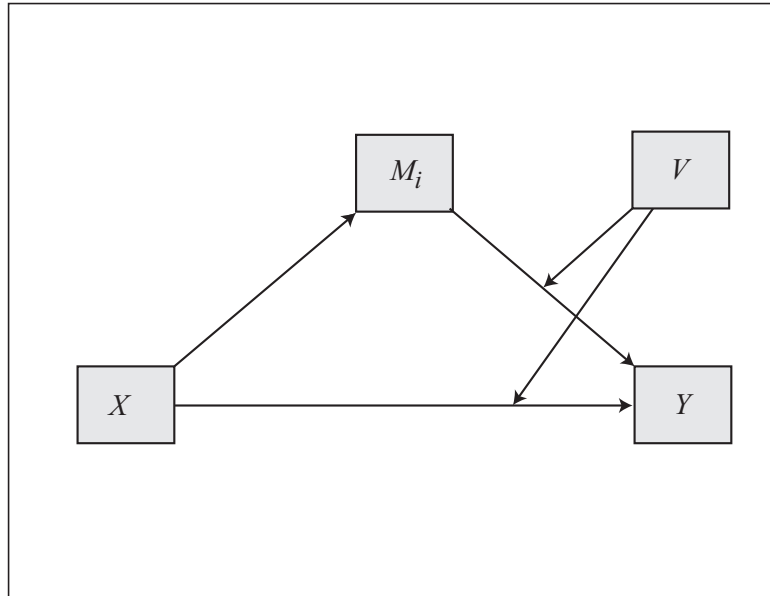### Conceptual Diagram

Statistical Diagram

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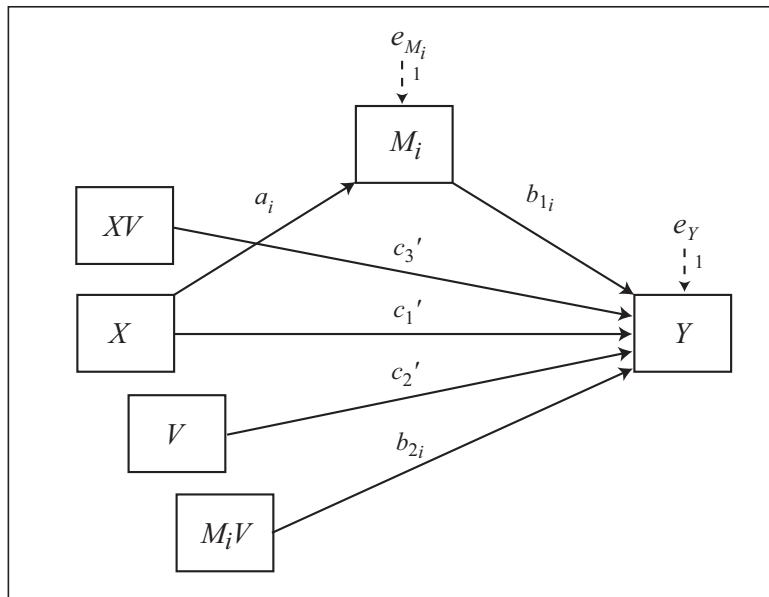
Direct effect of X on $Y = c'$

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

Model 15

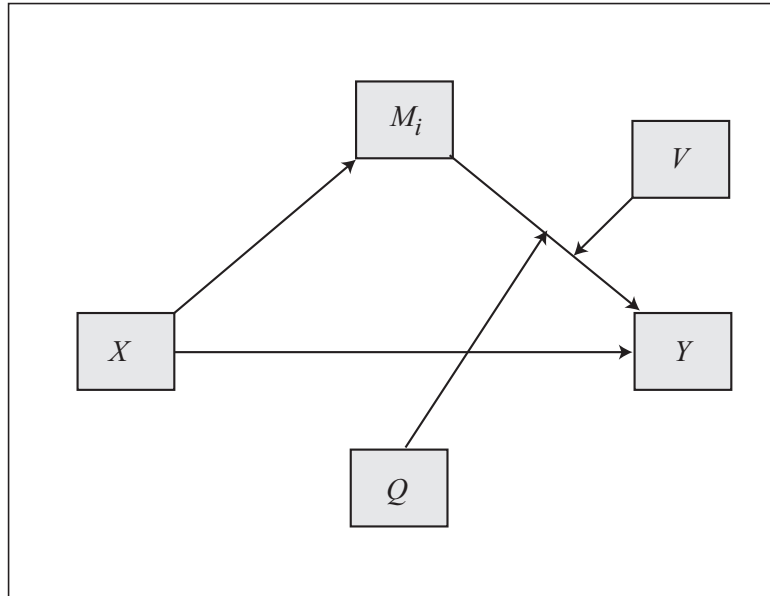### Conceptual Diagram

Statistical Diagram

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

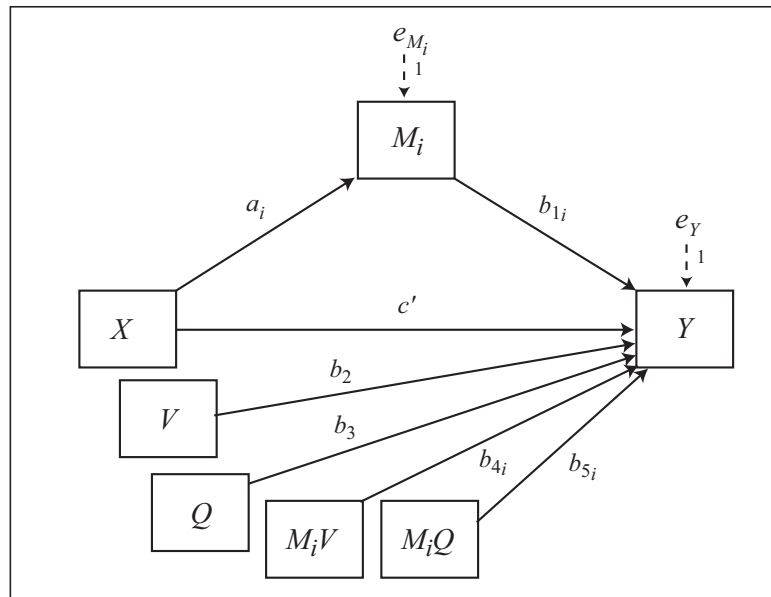Conditional direct effect of X on $Y = c_1' + c_3'V$

Note: Model 15 allows up to 10 mediators operating in parallel.
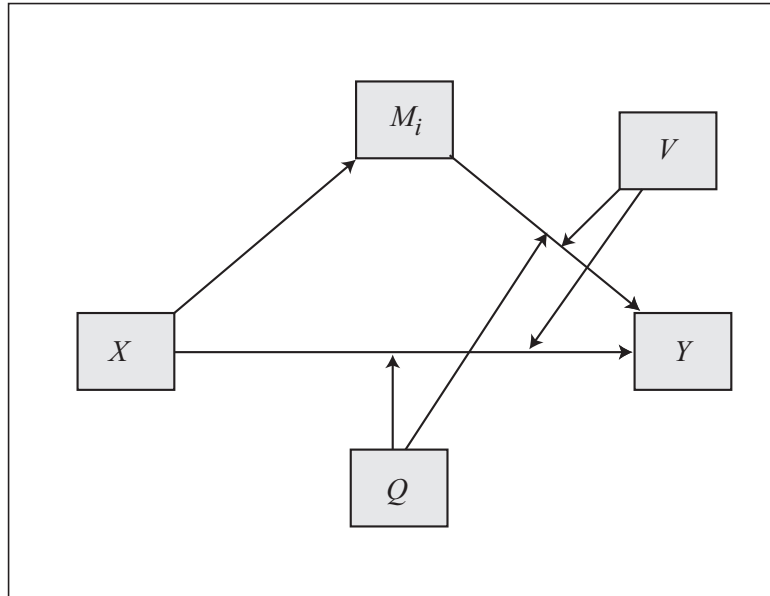
Model 16

Conceptual Diagram

Statistical Diagram

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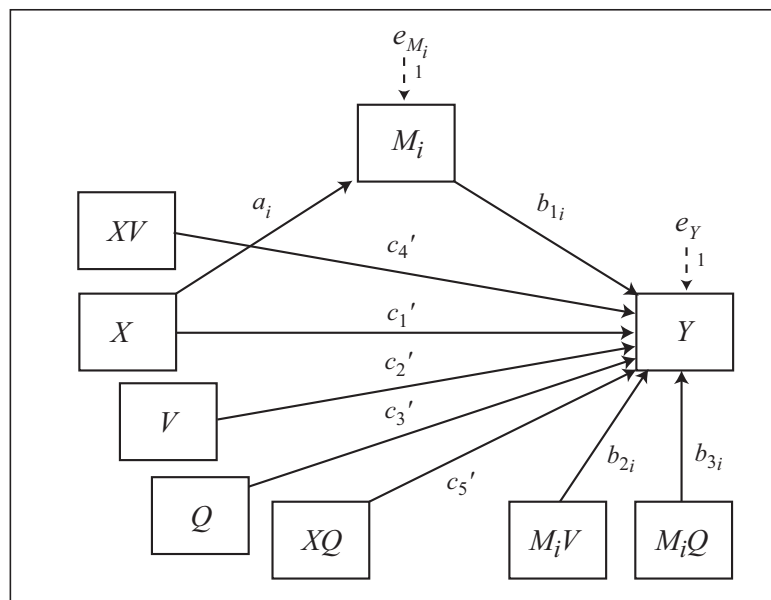
Direct effect of X on $Y = c'$

*Model 16 allows up to 10 mediators operating in parallel

Model 17

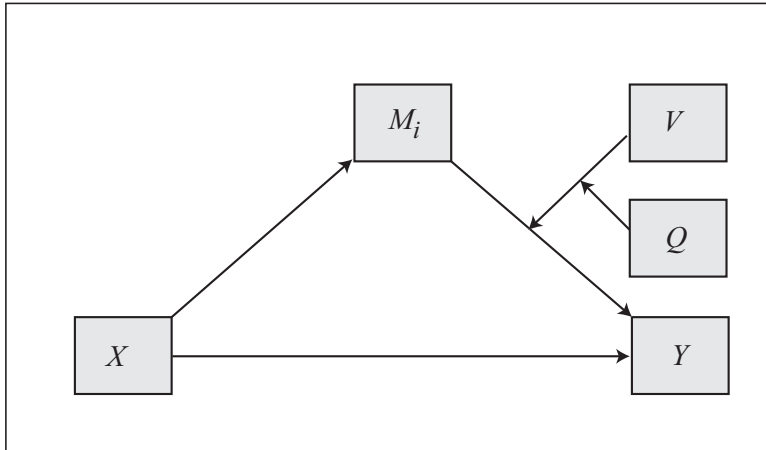### Conceptual Diagram

Statistical Diagram

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

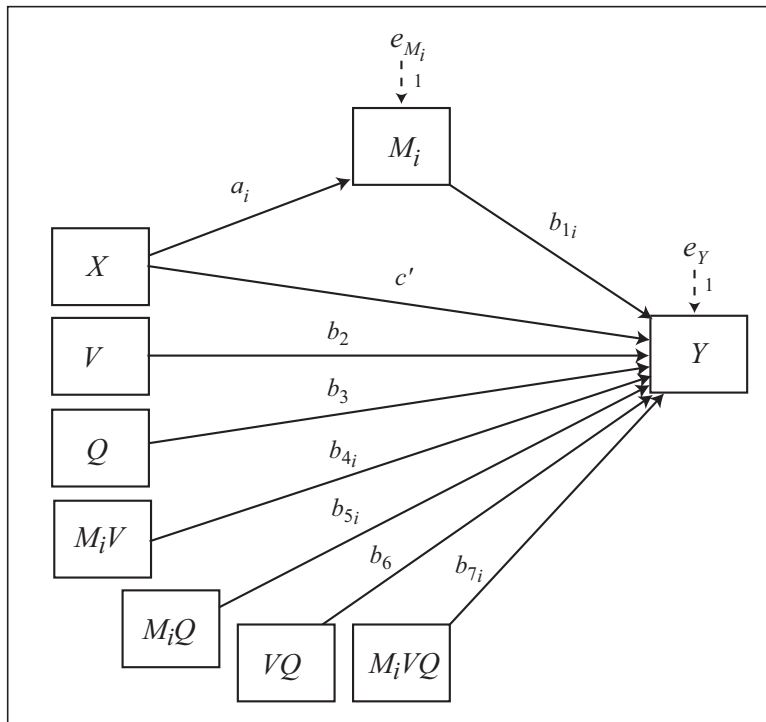Conditional direct effect of X on $Y = c_1' + c_4'V + c_5'Q$

*Model 17 allows up to 10 mediators operating in parallel
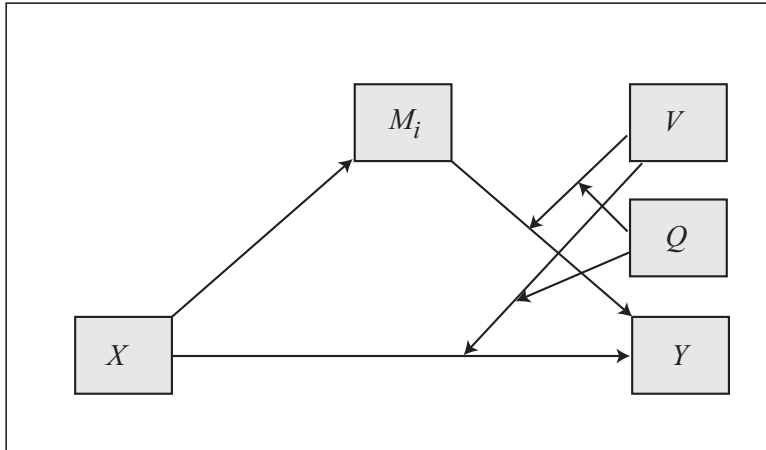
Model 18

Conceptual Diagram

Statistical Diagram

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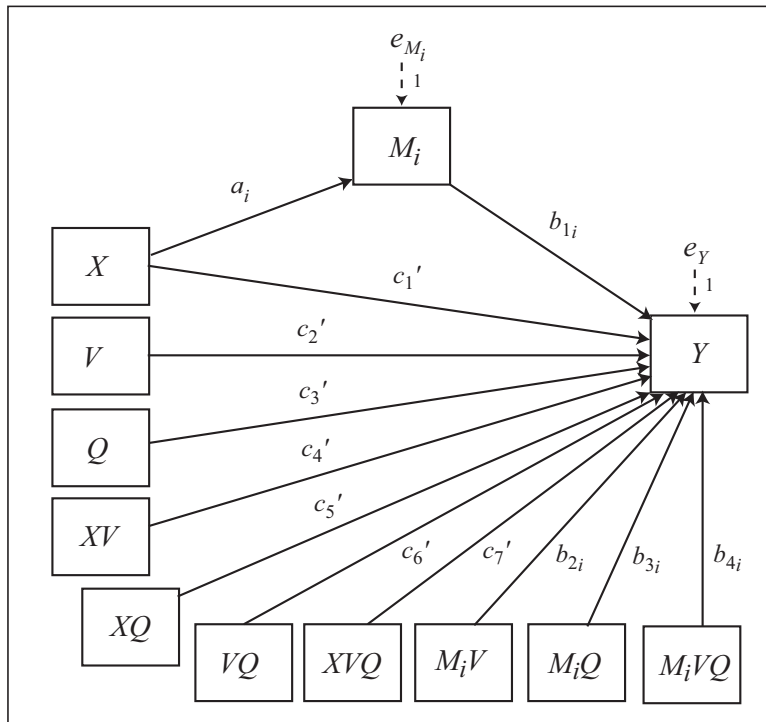
Direct effect of X on $Y = c'$

*Model 18 allows up to 10 mediators operating in parallel
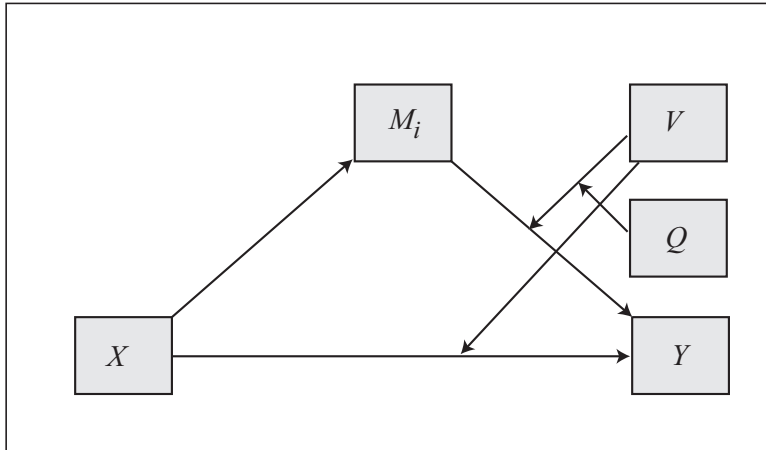
Model 19

Conceptual Diagram

Statistical Diagram

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

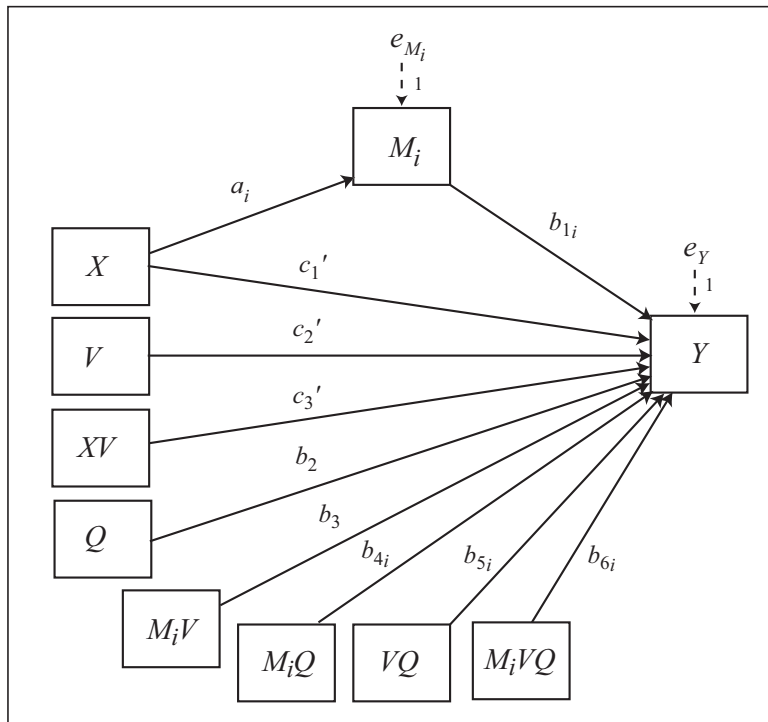Conditional direct effect of X on $Y = c_1' + c_4'V + c_5'Q + c_7'VQ$

*Model 19 allows up to 10 mediators operating in parallel

Model 20

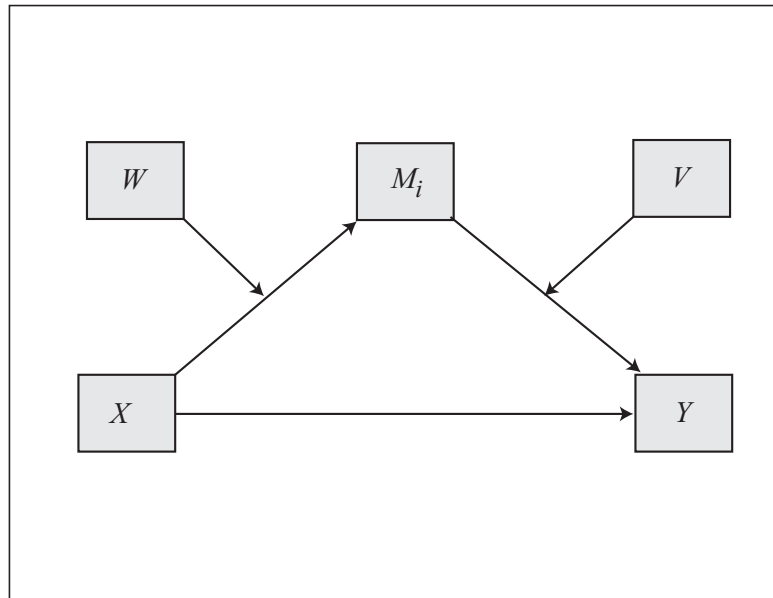### Conceptual Diagram

Statistical Diagram

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

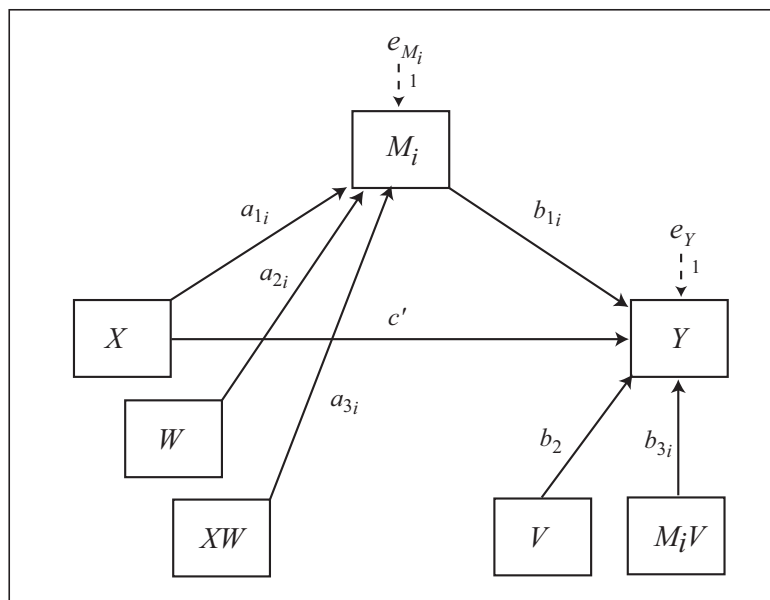Conditional direct effect of X on $Y = c_1' + c_3'V$

*Model 20 allows up to 10 mediators operating in parallel

Model 21

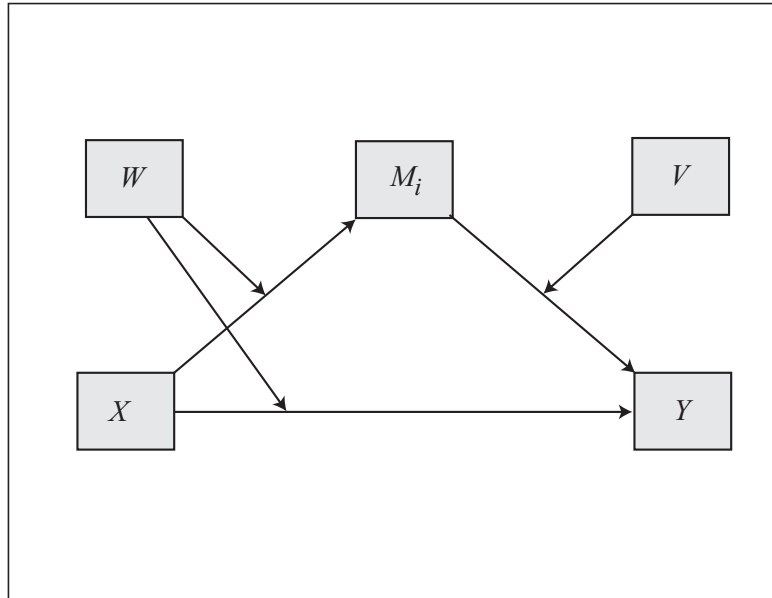### Conceptual Diagram

Statistical Diagram

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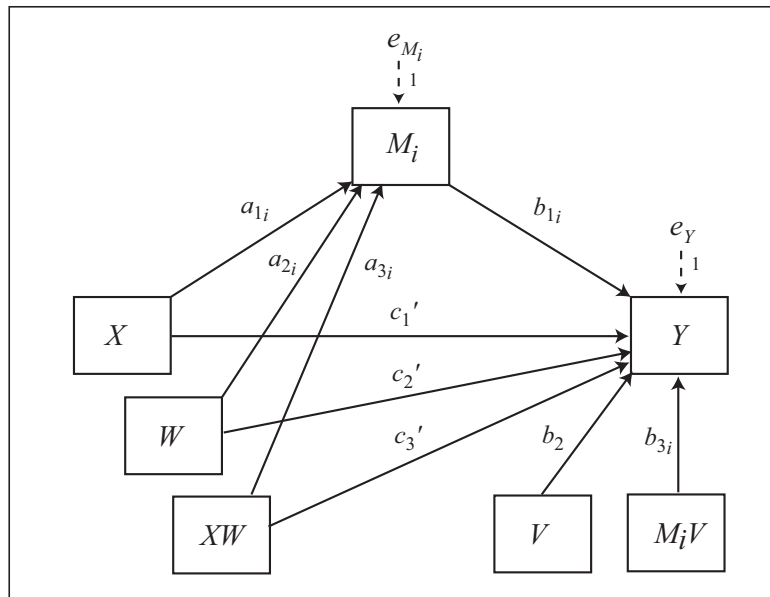
Direct effect of X on $Y = c'$

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

Model 22

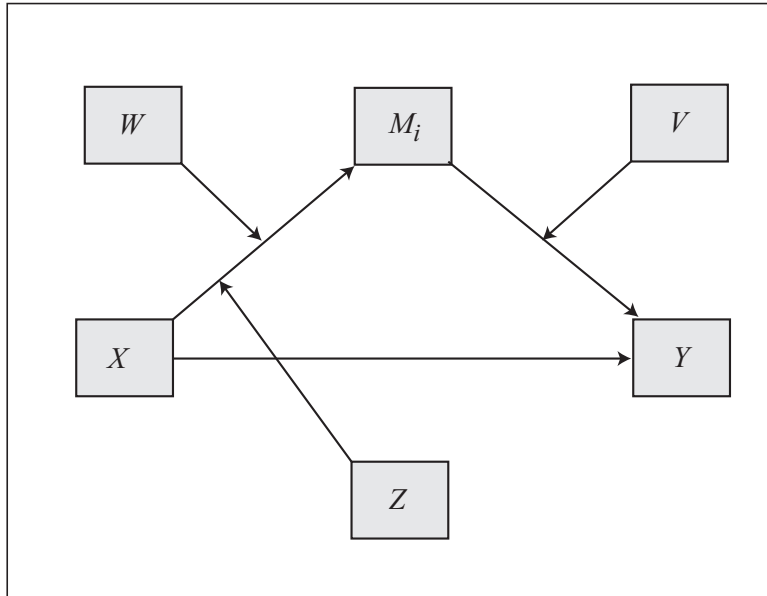### Conceptual Diagram

Statistical Diagram

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

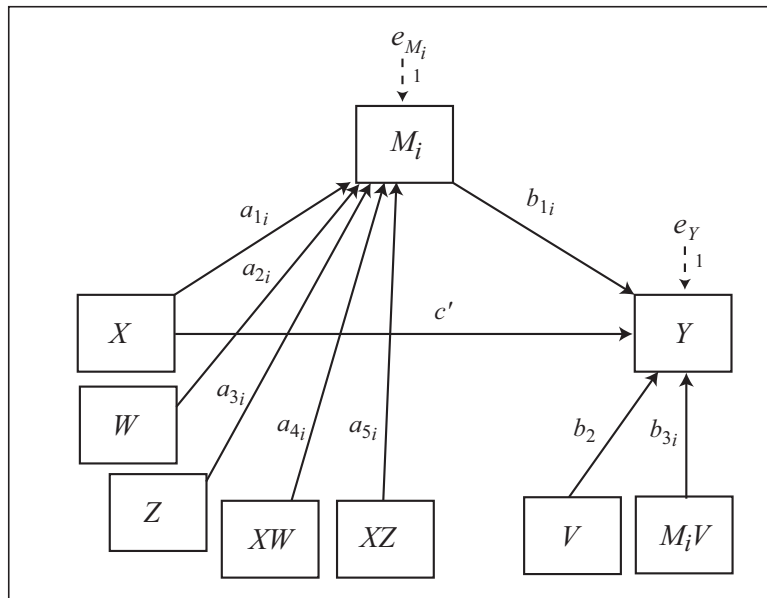Conditional direct effect of X on $Y = c_1' + c_3'W$

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

Model 23

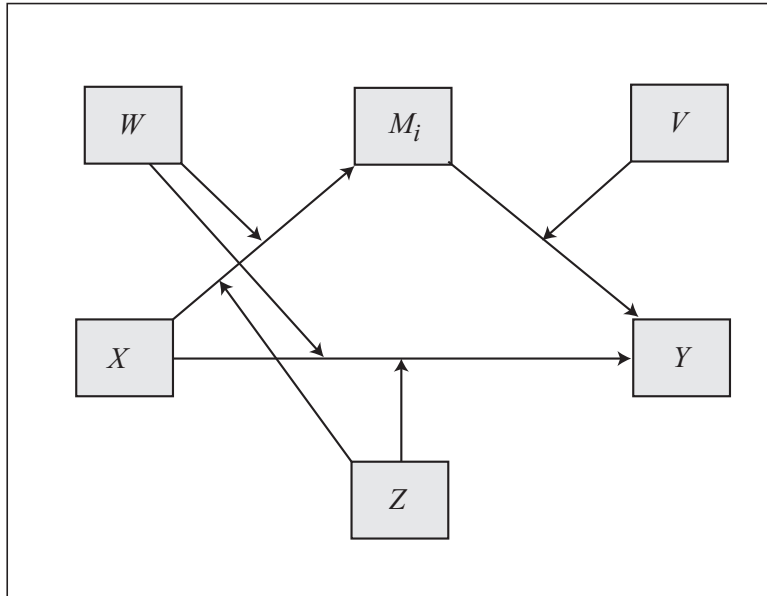### Conceptual Diagram

Statistical Diagram

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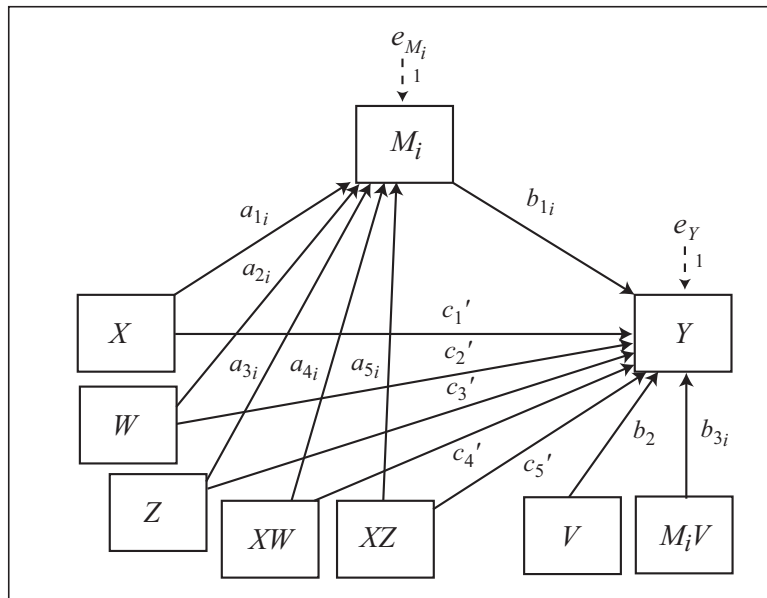
Direct effect of X on $Y = c'$

*Model 23 allows up to 10 mediators operating in parallel

Model 24

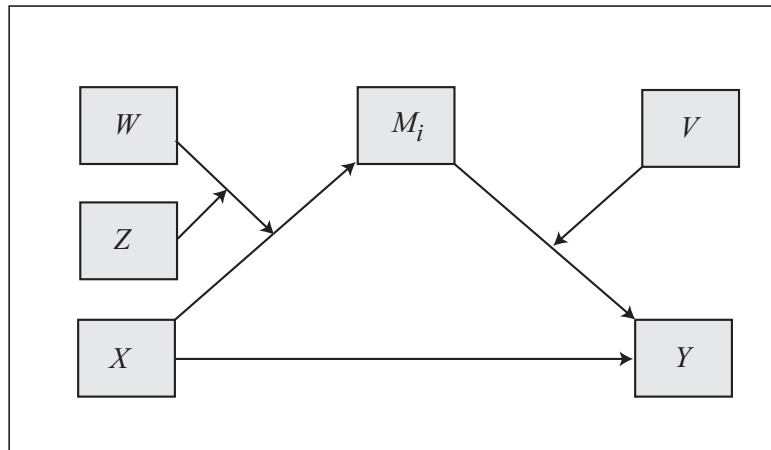Conceptual Diagram

Statistical Diagram

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

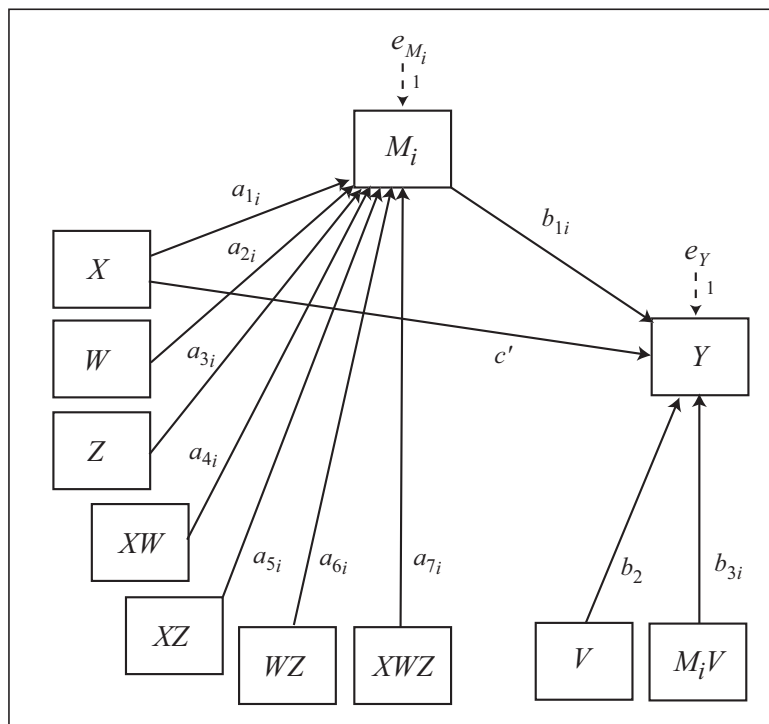Conditional direct effect of X on $Y = c_1' + c_4'W + c_5'Z$

*Model 24 allows up to 10 mediators operating in parallel

Model 25

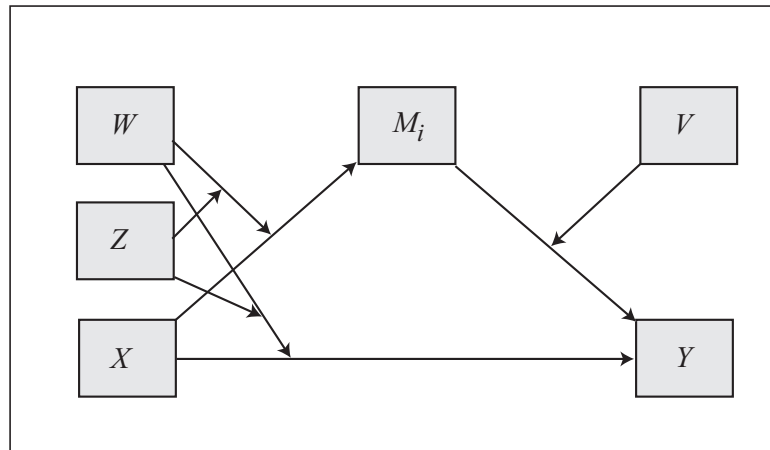### Conceptual Diagram

Statistical Diagram

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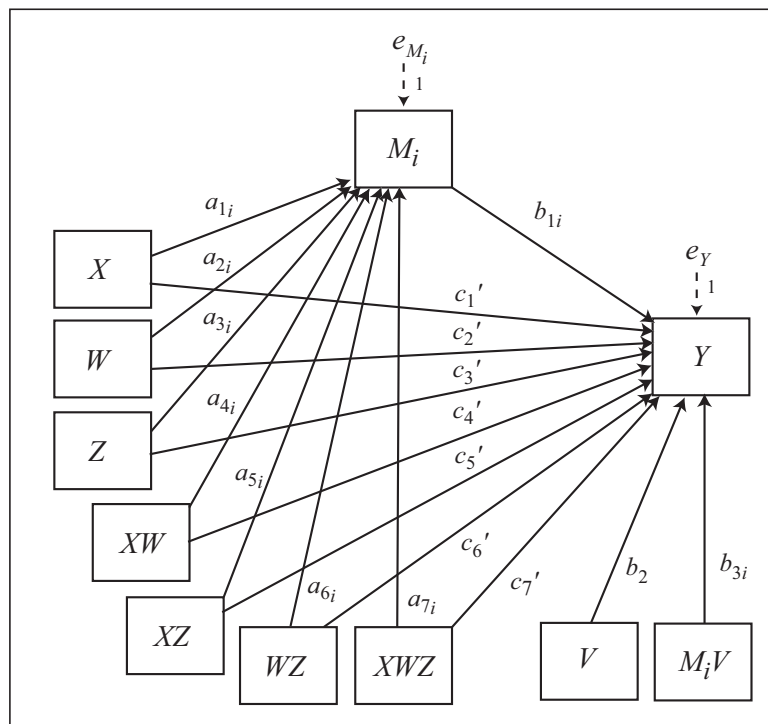
Direct effect of X on $Y = c'$

*Model 25 allows up to 10 mediators operating in parallel

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

Model 27

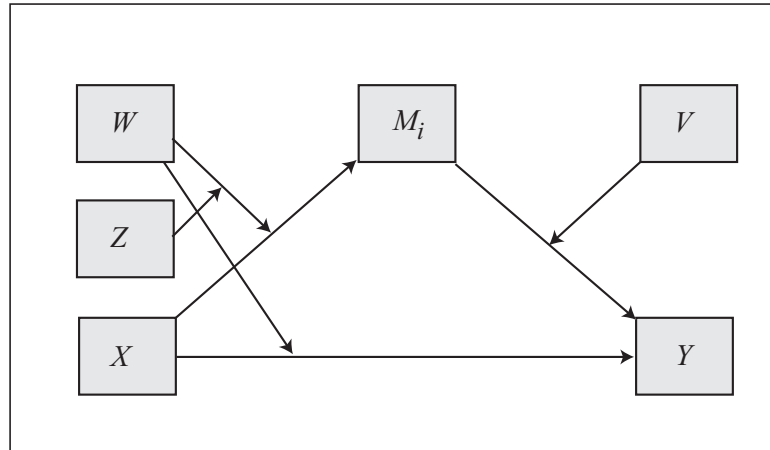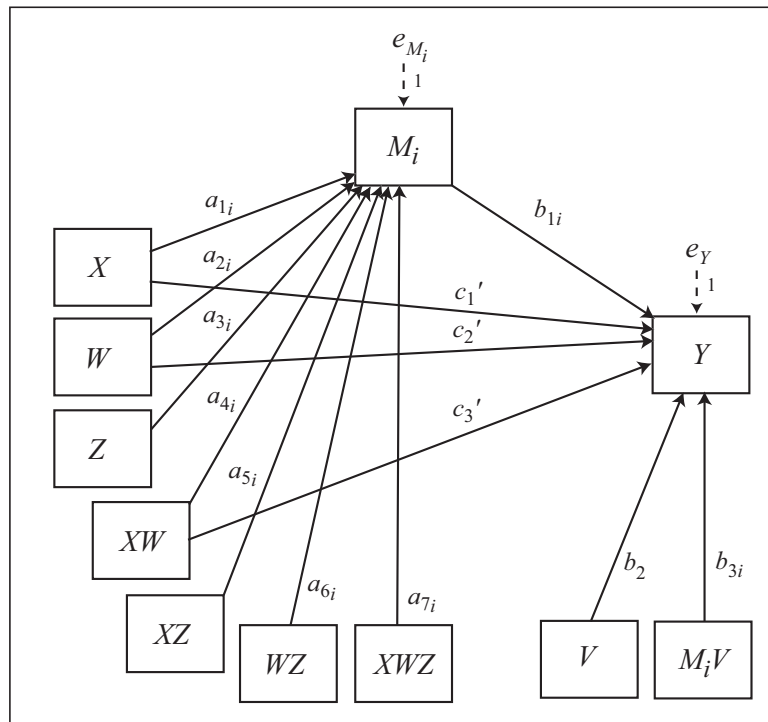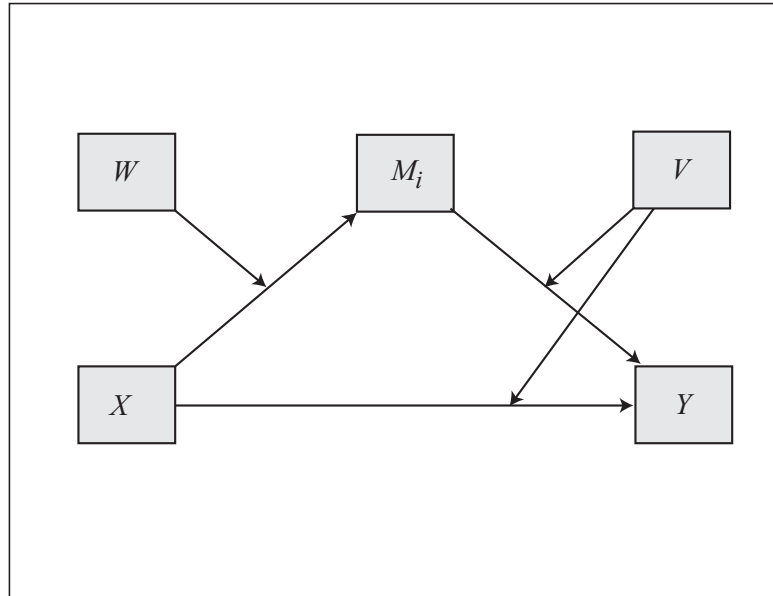### Conceptual Diagram

Statistical Diagram

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

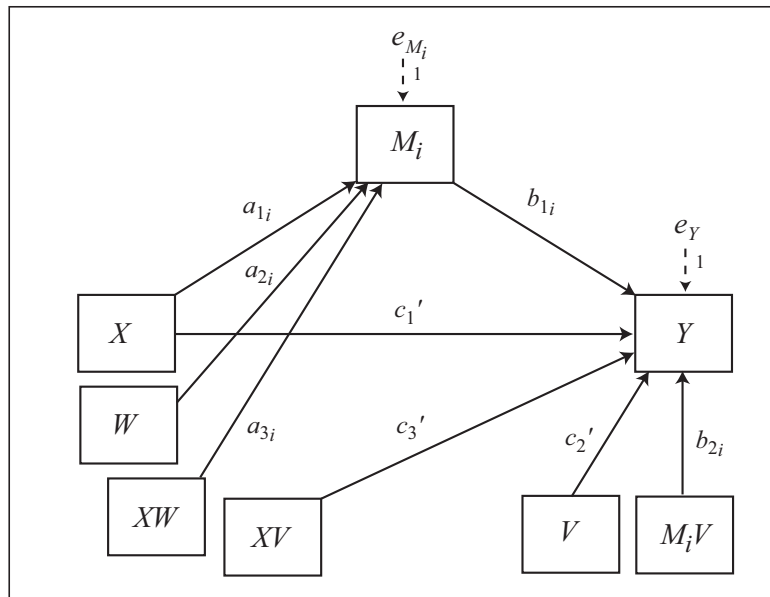Conditional direct effect of X on $Y = c_1' + c_3'W$

*Model 27 allows up to 10 mediators operating in parallel

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
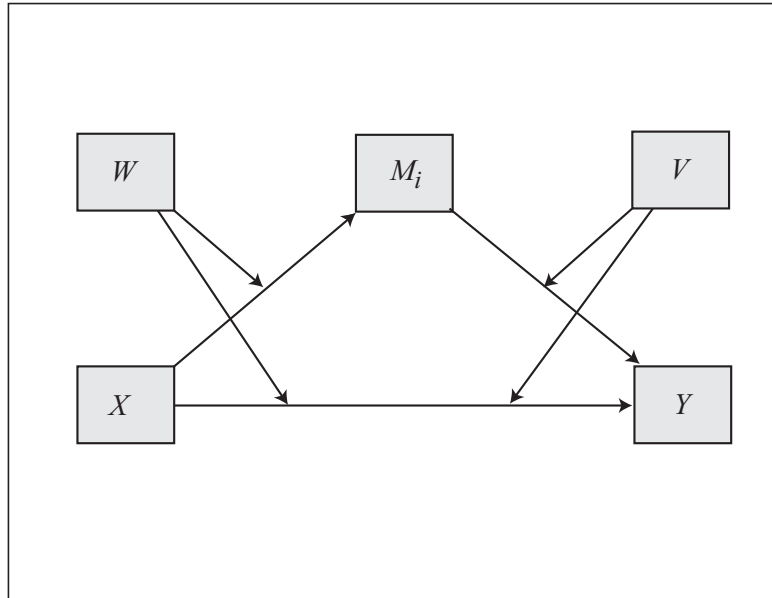
Model 29

Conceptual Diagram

Statistical Diagram

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

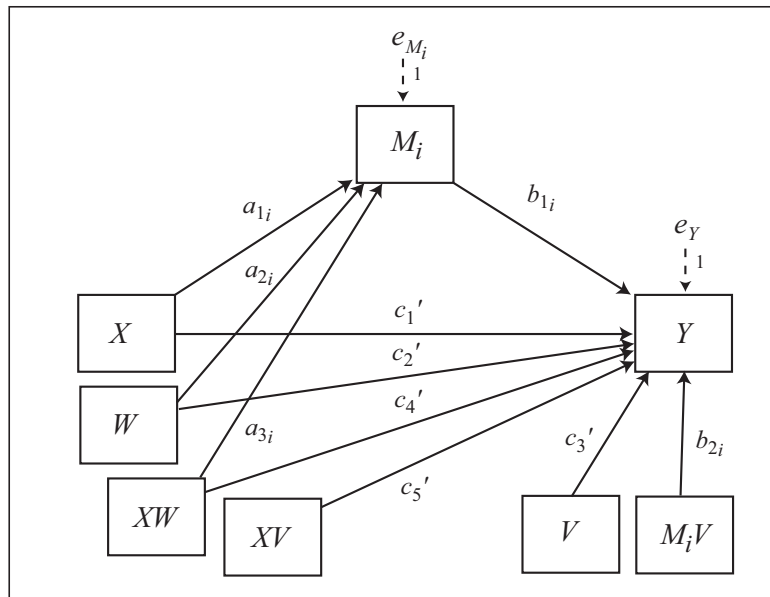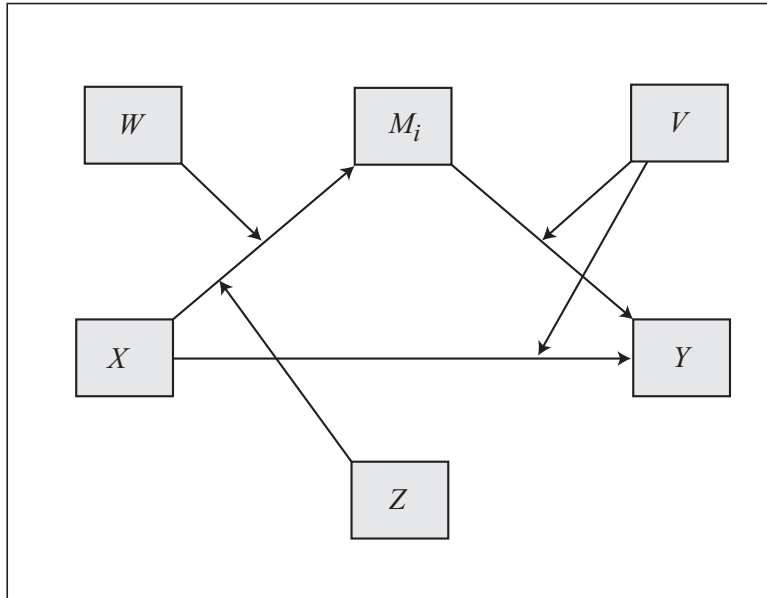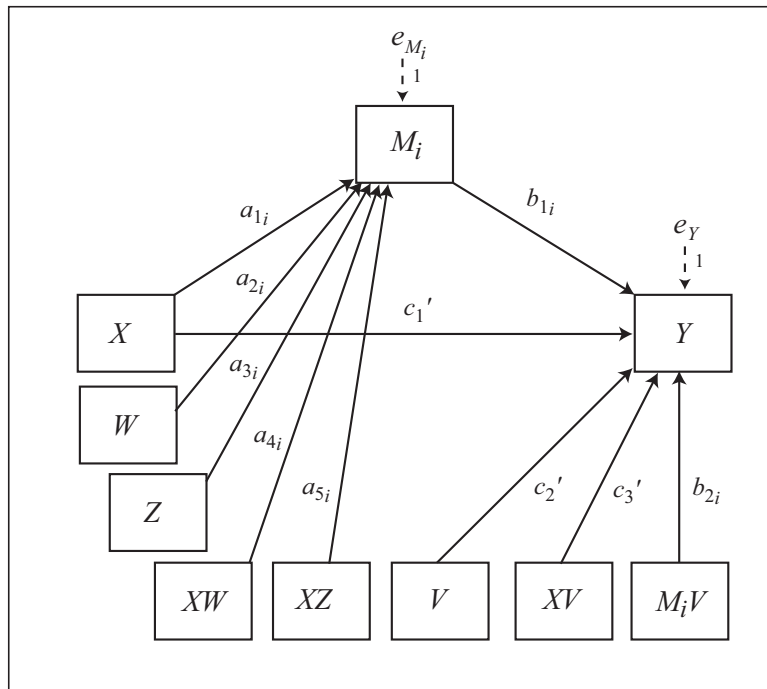Conditional direct effect of X on $Y = c_1' + c_4'W + c_5'V$

*Model 29 allows up to 10 mediators operating in parallel

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

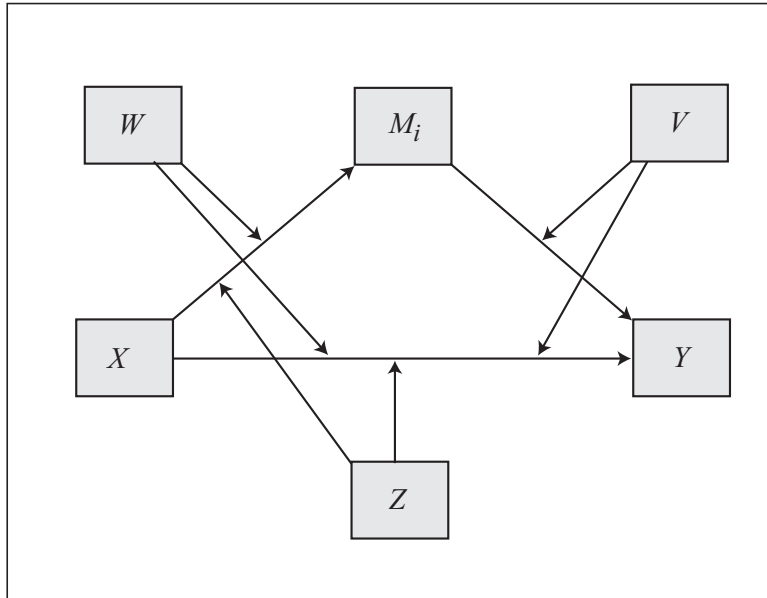## Model 31

Conceptual Diagram

Statistical Diagram

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

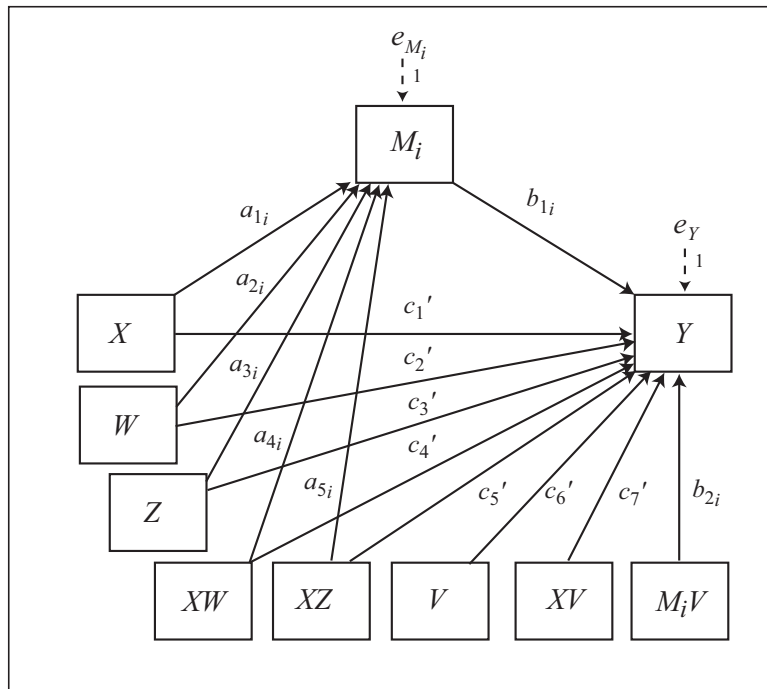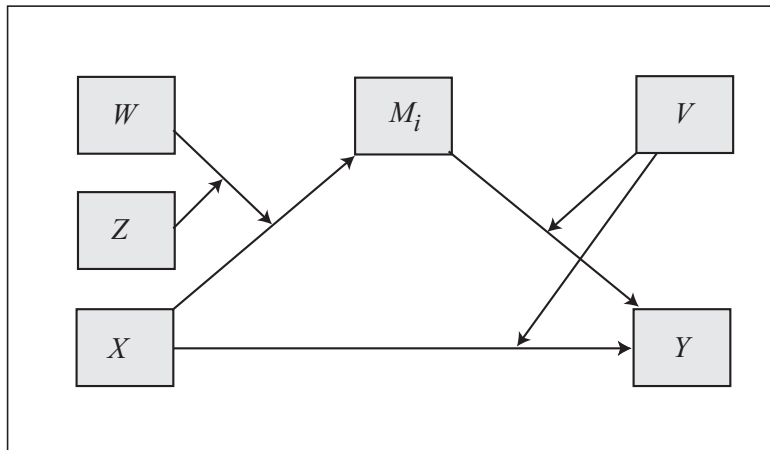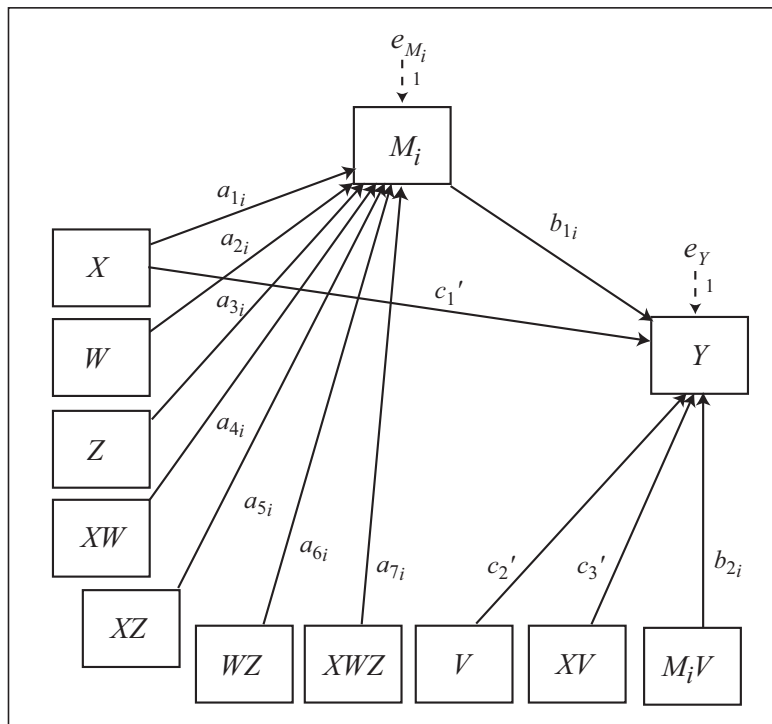Conditional direct effect of X on $Y = c_1' + c_4'W + c_5'Z + c_7'V$

*Model 31 allows up to 10 mediators operating in parallel

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

Model 33

Conceptual Diagram

Statistical Diagram

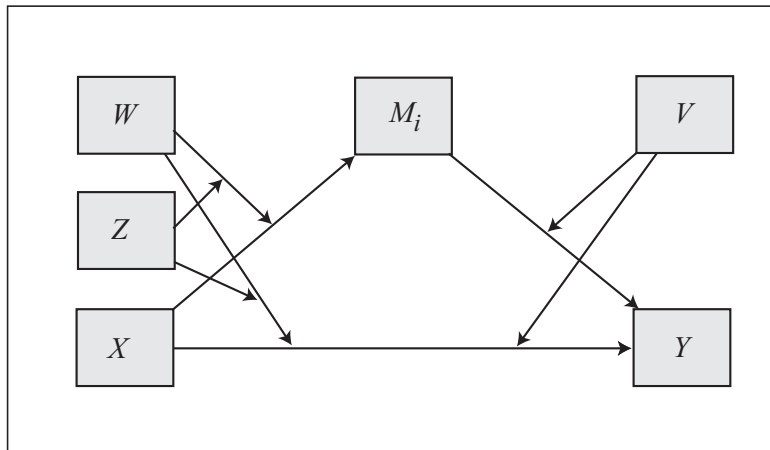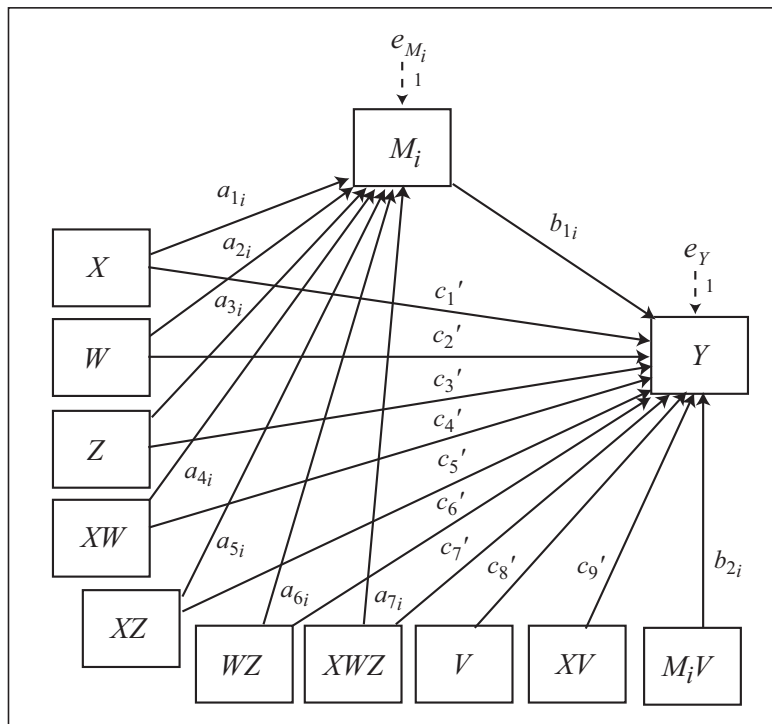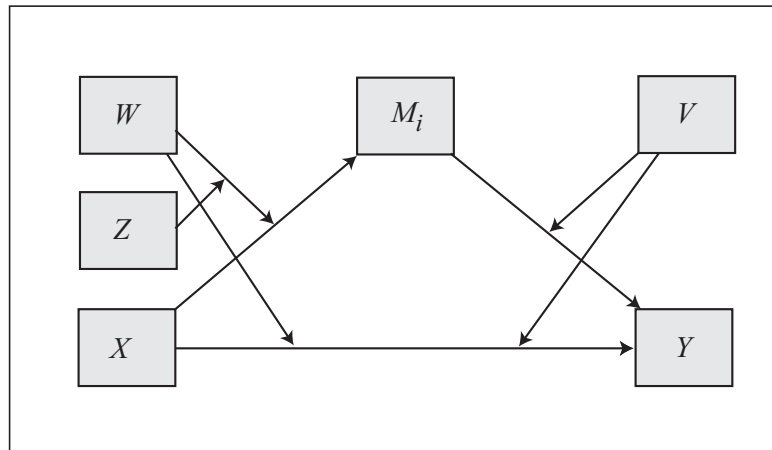

Conditional indirect effect of X on Y through $M_i = (a_{1i} + a_{4i}W + a_{5i}Z + a_{7i}WZ)(b_{1i} + b_{2i}V)$

Conditional direct effect of X on $Y = c_1{'} + c_4{'}W + c_5{'}Z + c_7{'}WZ + c_9{'}V$
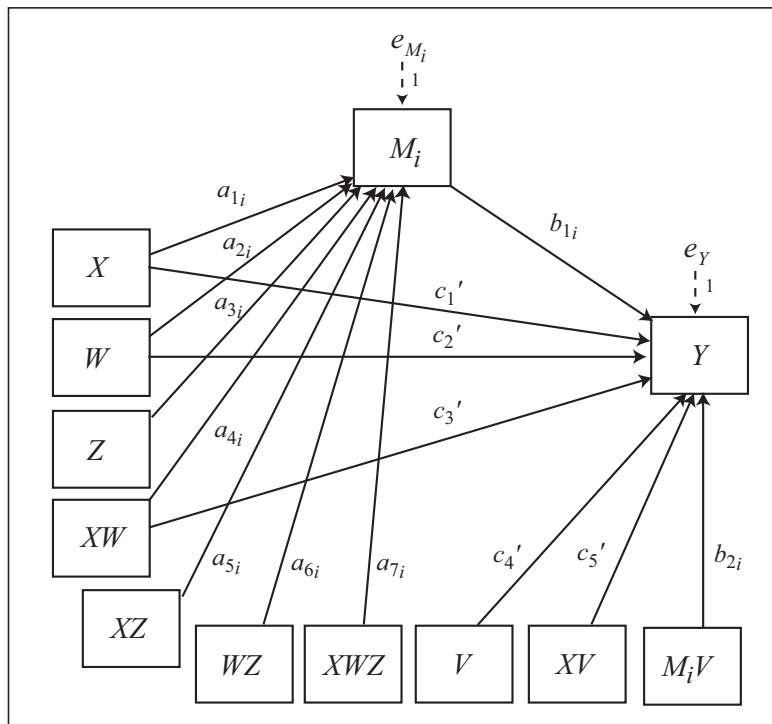
*Model 33 allows up to 10 mediators operating in parallel

Model 34

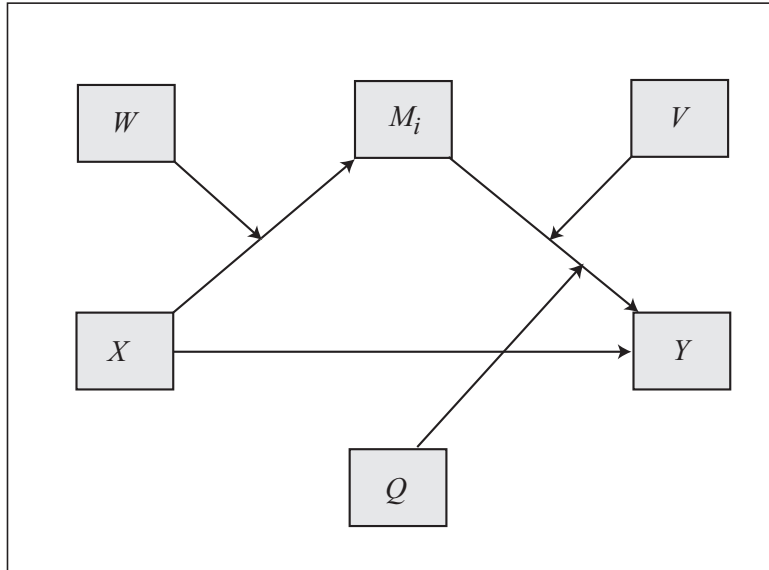### Conceptual Diagram

Statistical Diagram

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

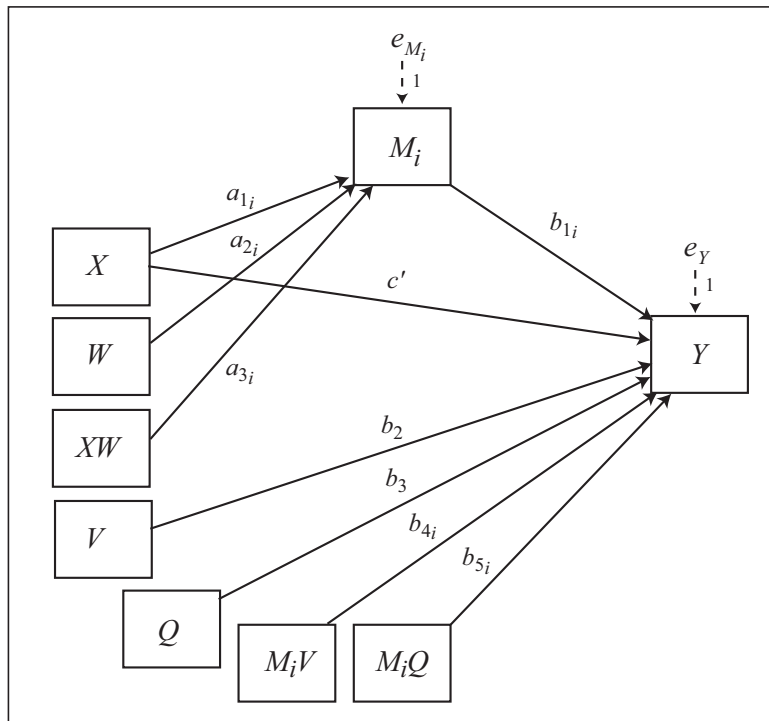Conditional direct effect of X on $Y = c_1' + c_3'W + c_5'V$

*Model 34 allows up to 10 mediators operating in parallel

Model 35

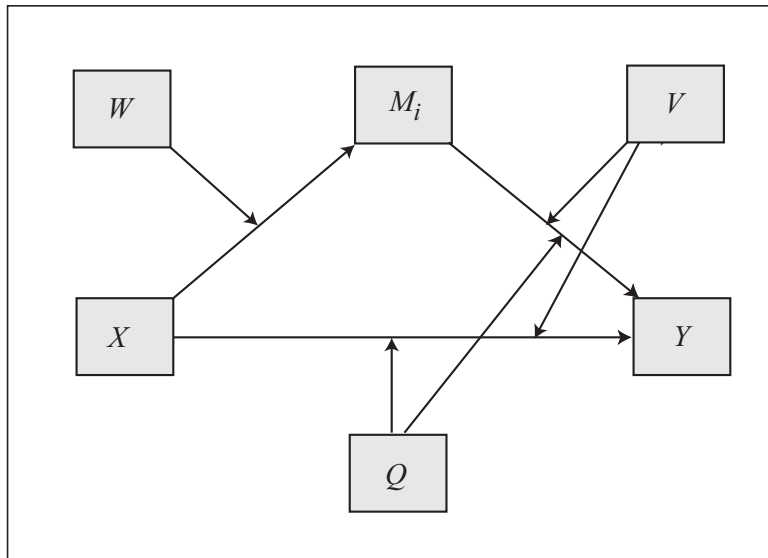Conceptual Diagram

Statistical Diagram

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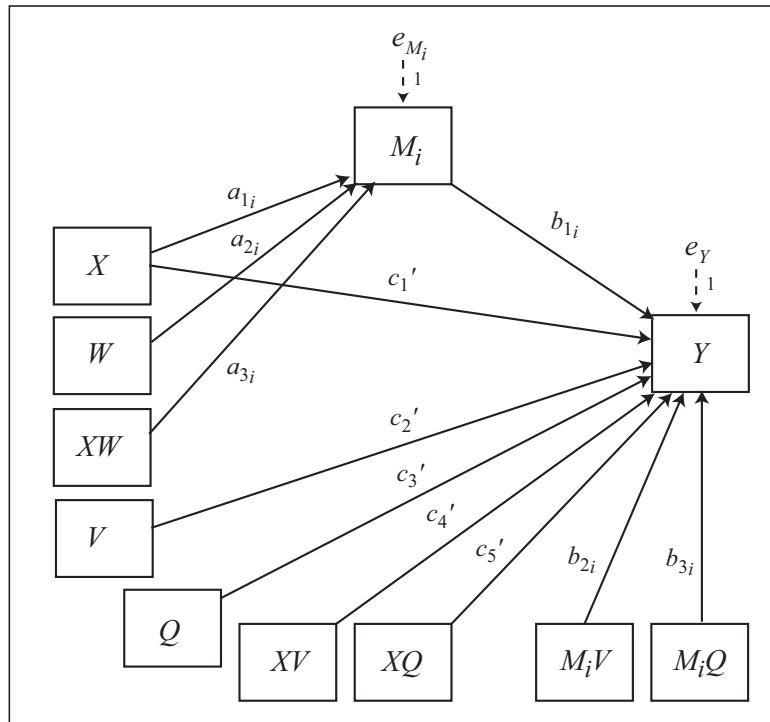
Direct effect of X on $Y = c'$

*Model 35 allows up to 10 mediators operating in parallel

Model 36

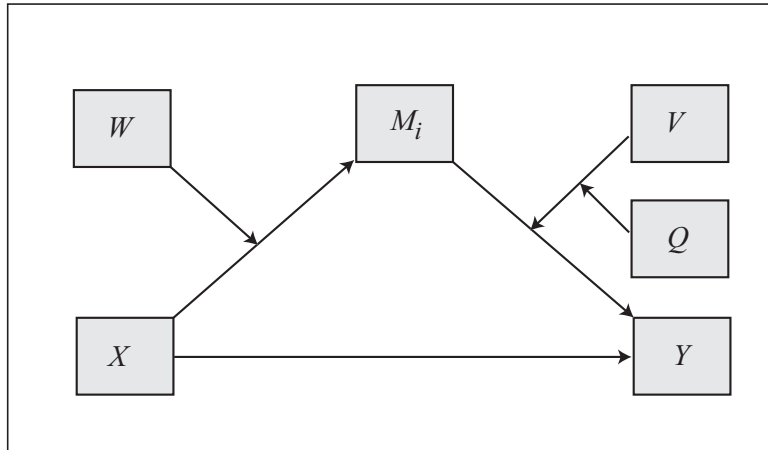### Conceptual Diagram

Statistical Diagram

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

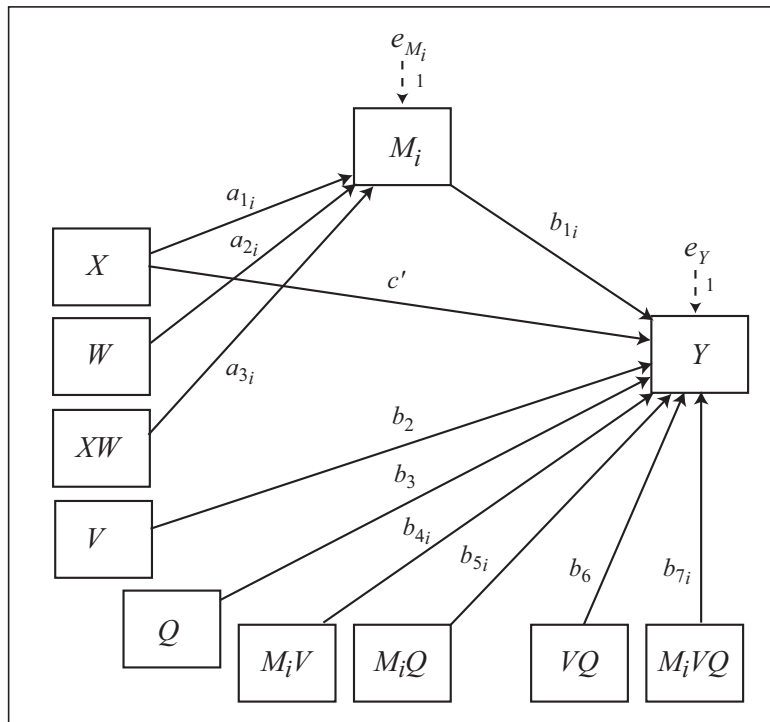Conditional direct effect of X on $Y = c_1' + c_4'V + c_5'Q$

*Model 36 allows up to 10 mediators operating in parallel

Model 37

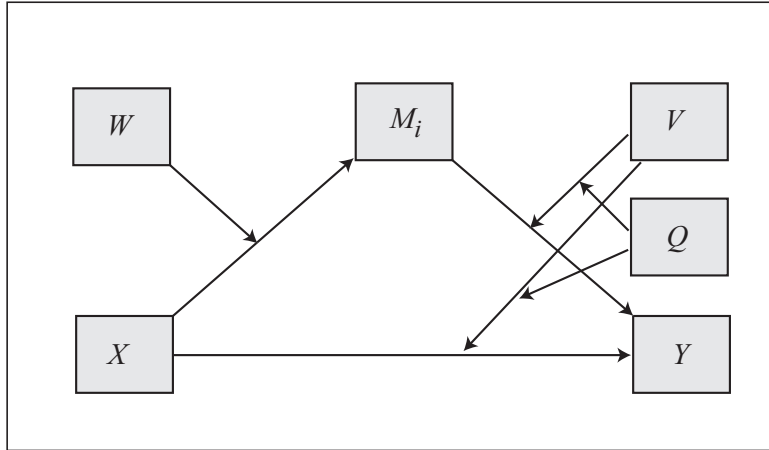### Conceptual Diagram

Statistical Diagram

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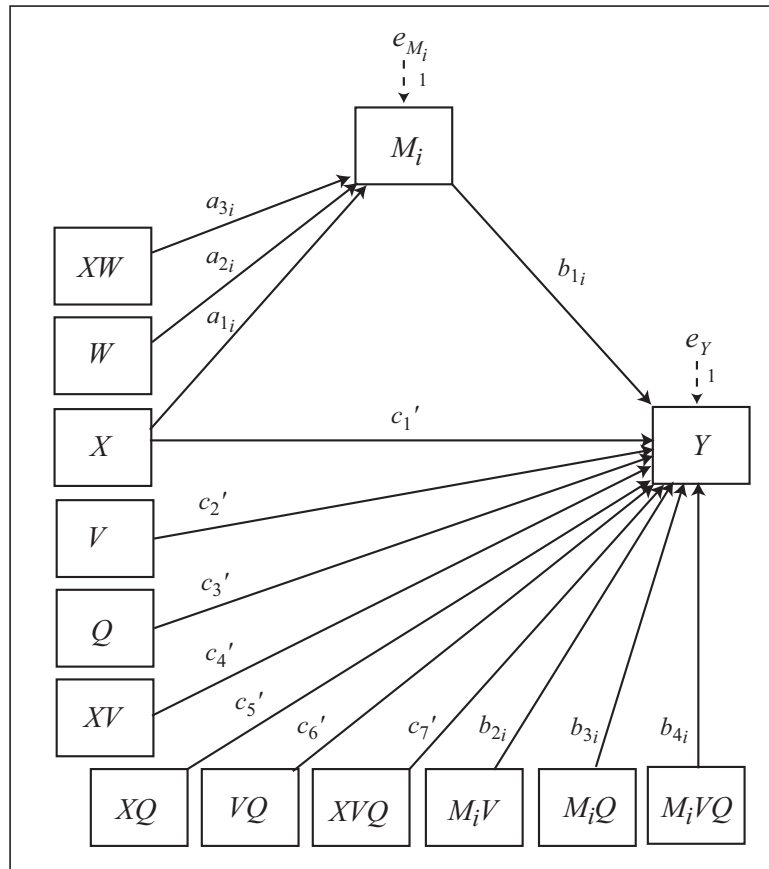
Direct effect of X on $Y = c'$

*Model 37 allows up to 10 mediators operating in parallel
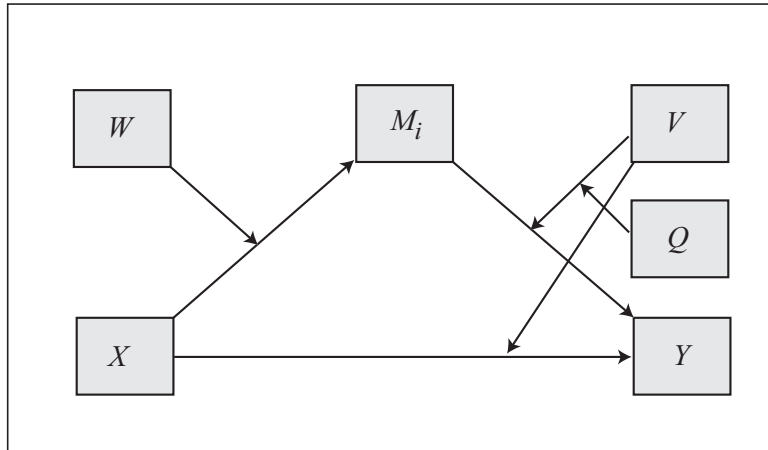
Model 38

Conceptual Diagram

Statistical Diagram

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

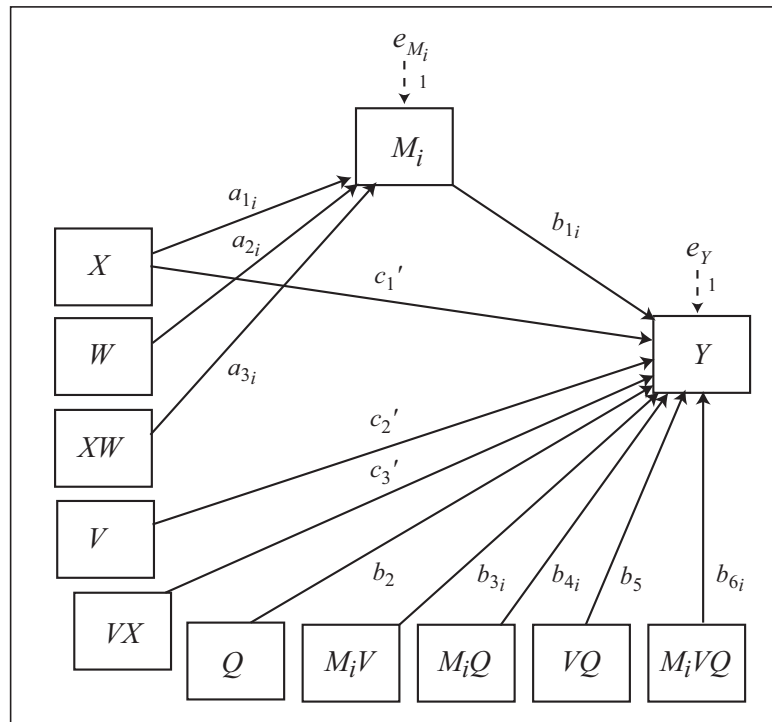Conditional direct effect of X on $Y = c_1' + c_4'V + c_5'Q + c_7'VQ$

*Model 38 allows up to 10 mediators operating in parallel

Model 39

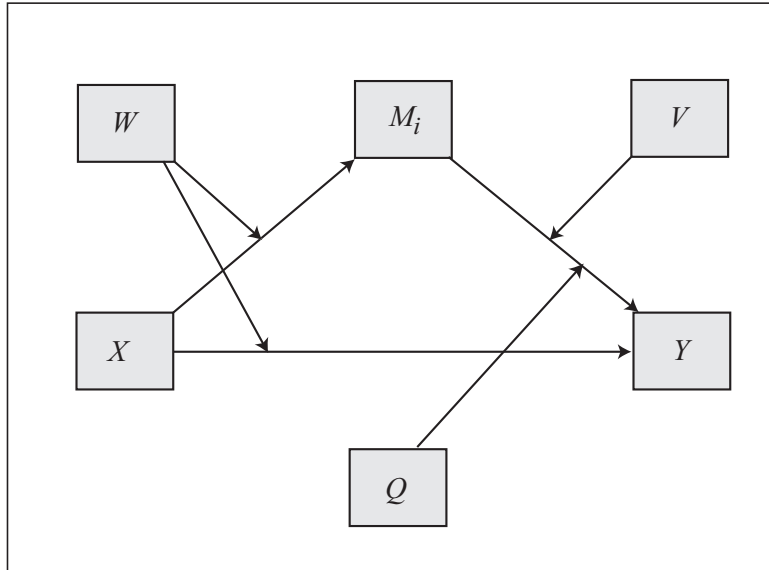## Conceptual Diagram

Statistical Diagram

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

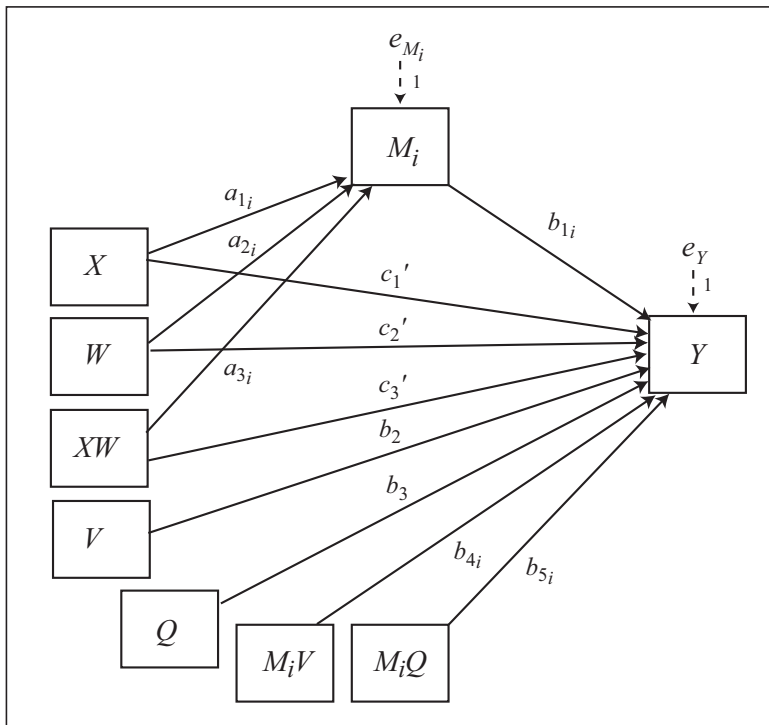Conditional direct effect of X on $Y = c_1' + c_3'V$

*Model 39 allows up to 10 mediators operating in parallel

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

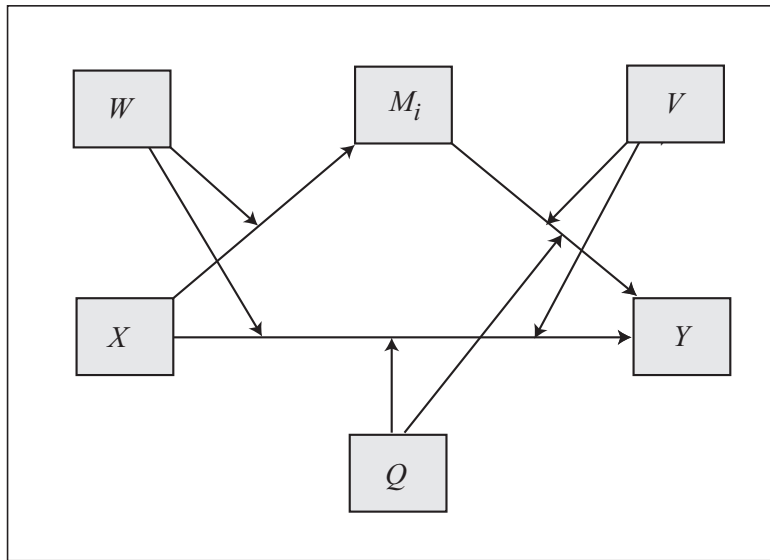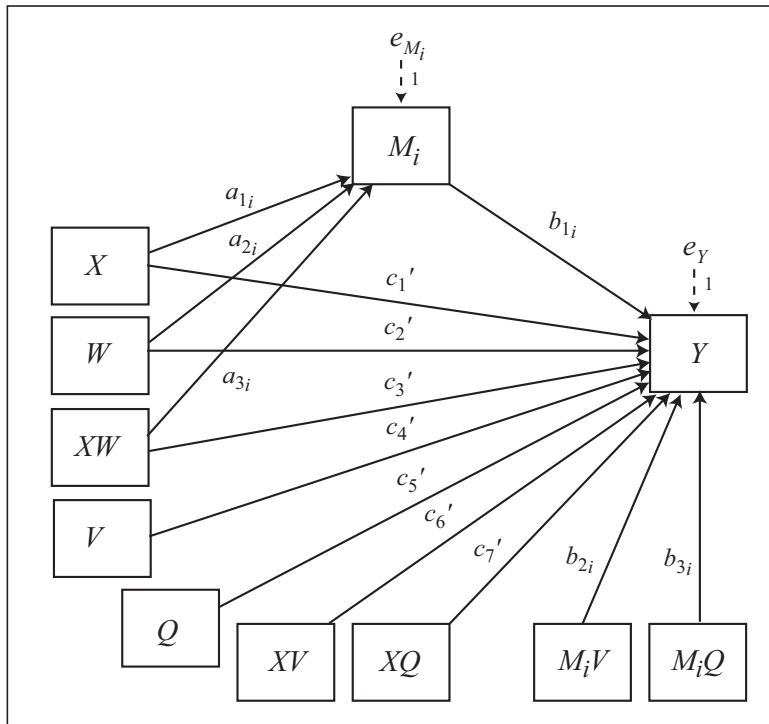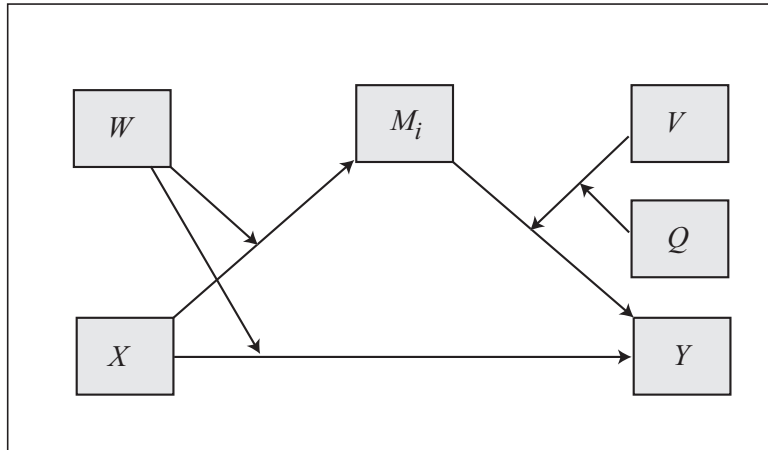## Model 41

Conceptual Diagram

Statistical Diagram

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

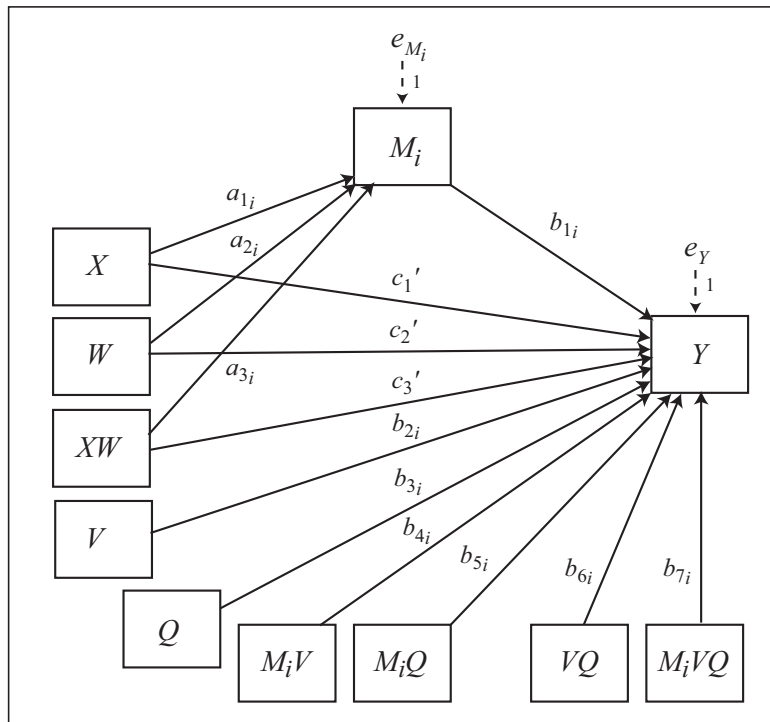Conditional direct effect of X on $Y = c_1' + c_3'W + c_6'V + c_7'Q$

*Model 41 allows up to 10 mediators operating in parallel

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

Model 43

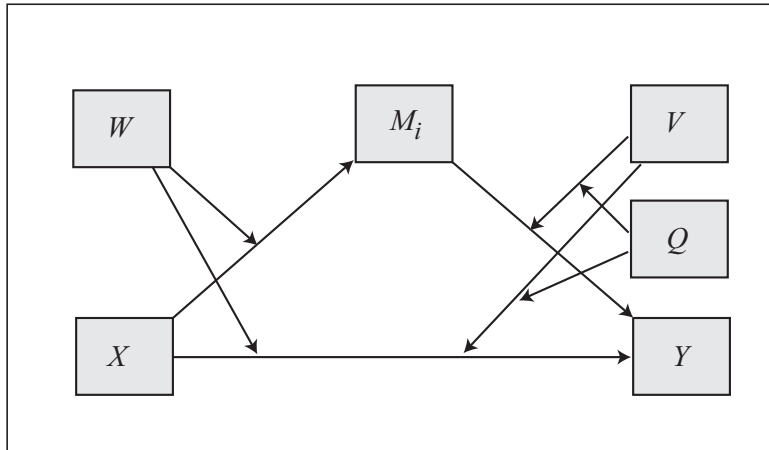### Conceptual Diagram

Statistical Diagram

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

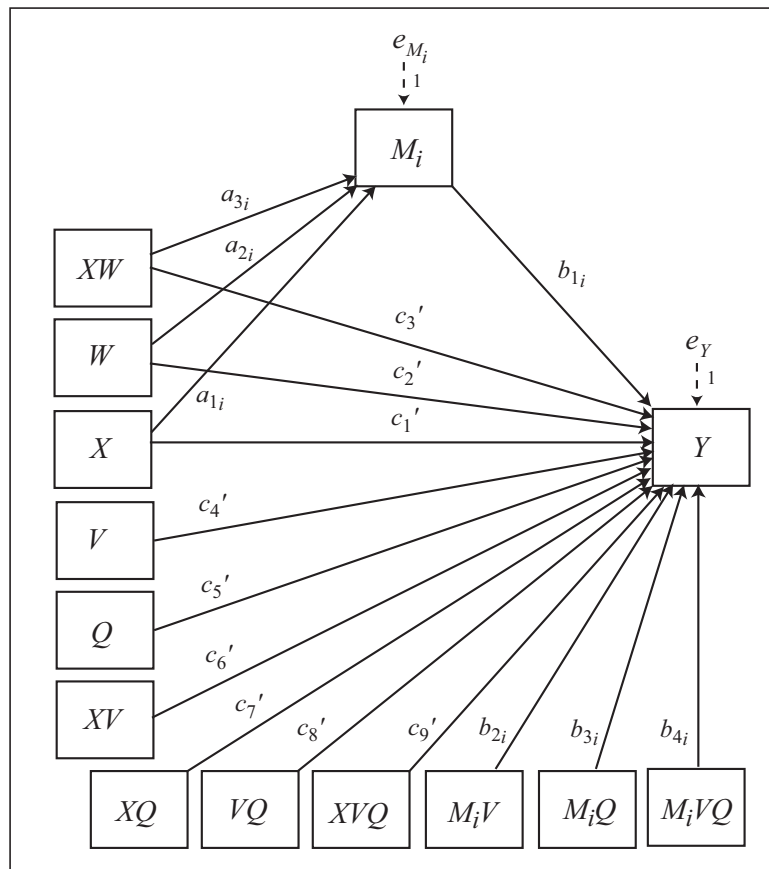Conditional direct effect of X on $Y = c_1' + c_3'W + c_6'V + c_7'Q + c_9'VQ$

*Model 43 allows up to 10 mediators operating in parallel

Model 44

Conceptual Diagram
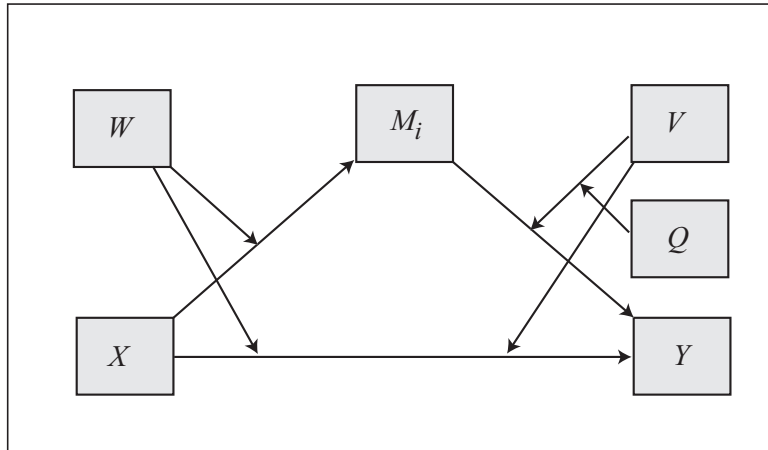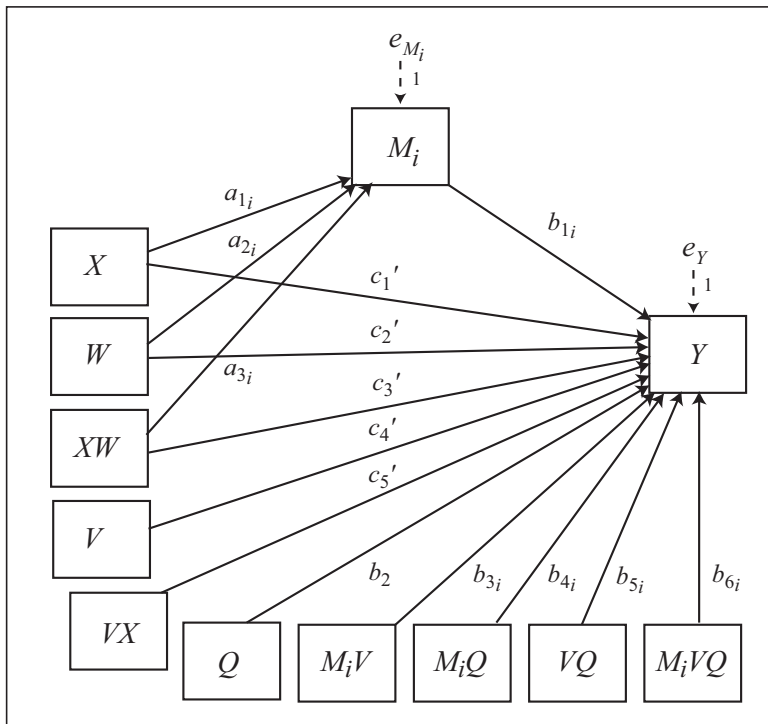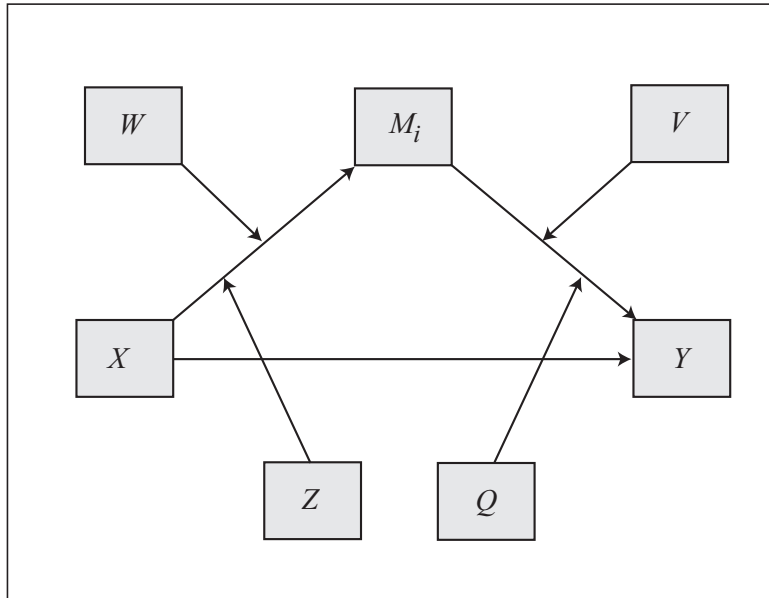

Statistical Diagram

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

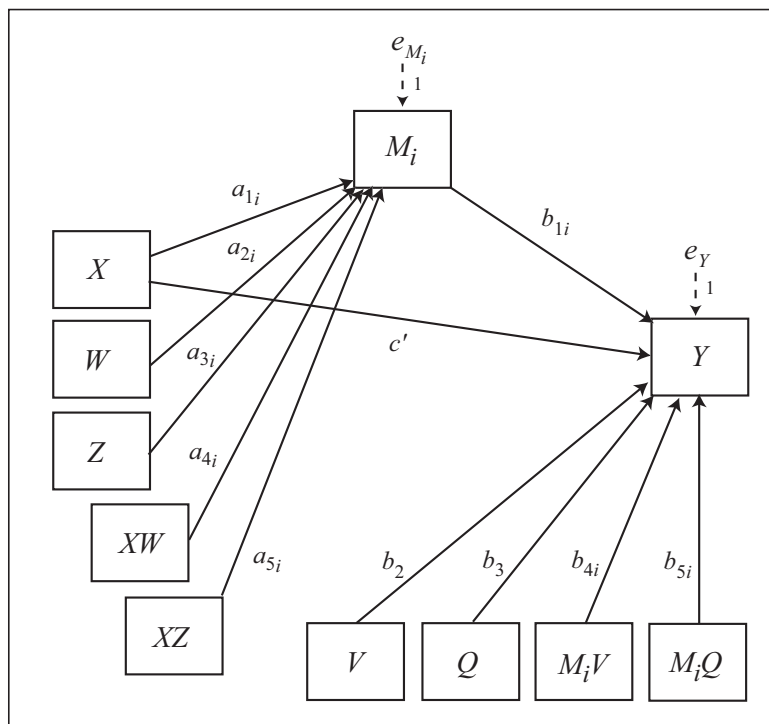Conditional direct effect of X on $Y = c_1{'} + c_3{'}W + c_5{'}V$

*Model 44 allows up to 10 mediators operating in parallel

Model 45

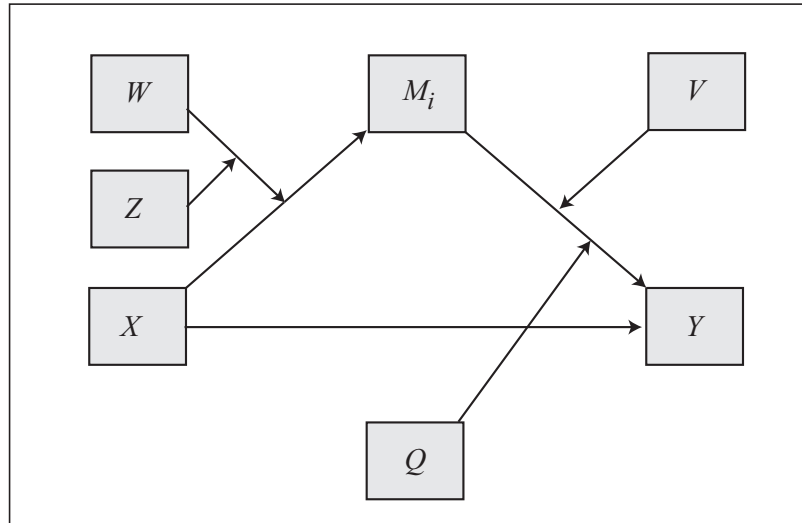Conceptual Diagram

Statistical Diagram

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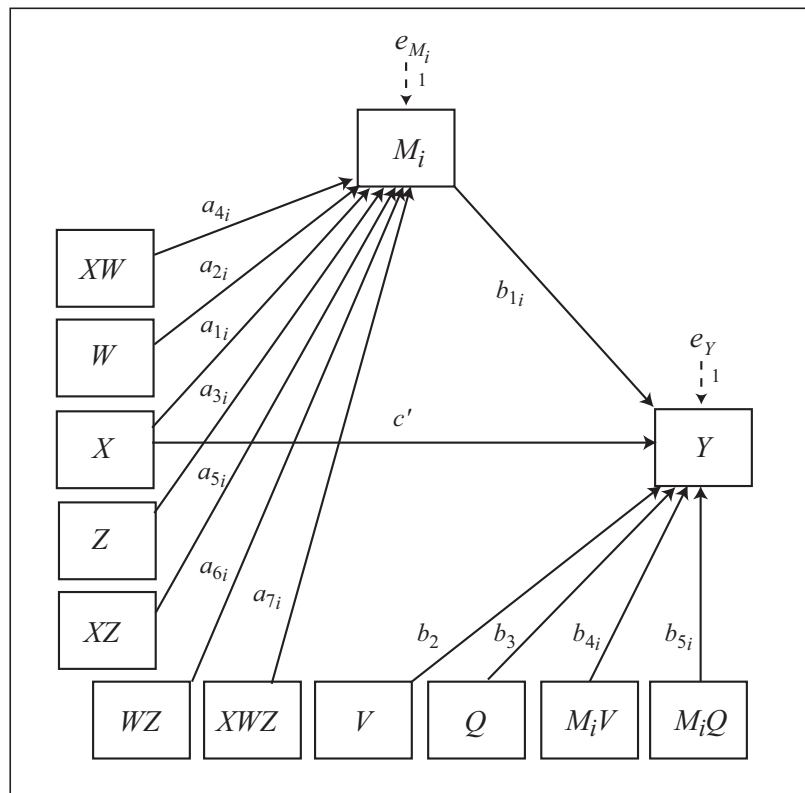
Direct effect of X on $Y = c'$

*Model 45 allows up to 10 mediators operating in parallel

Model 46

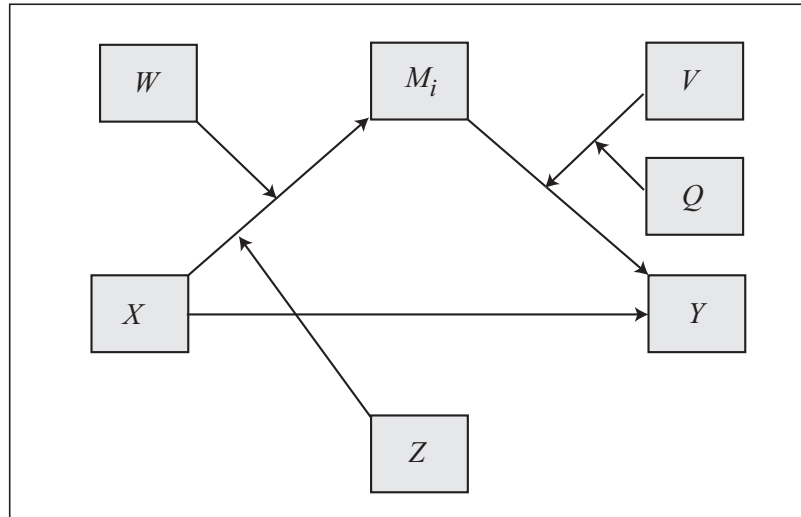### Conceptual Diagram

Statistical Diagram

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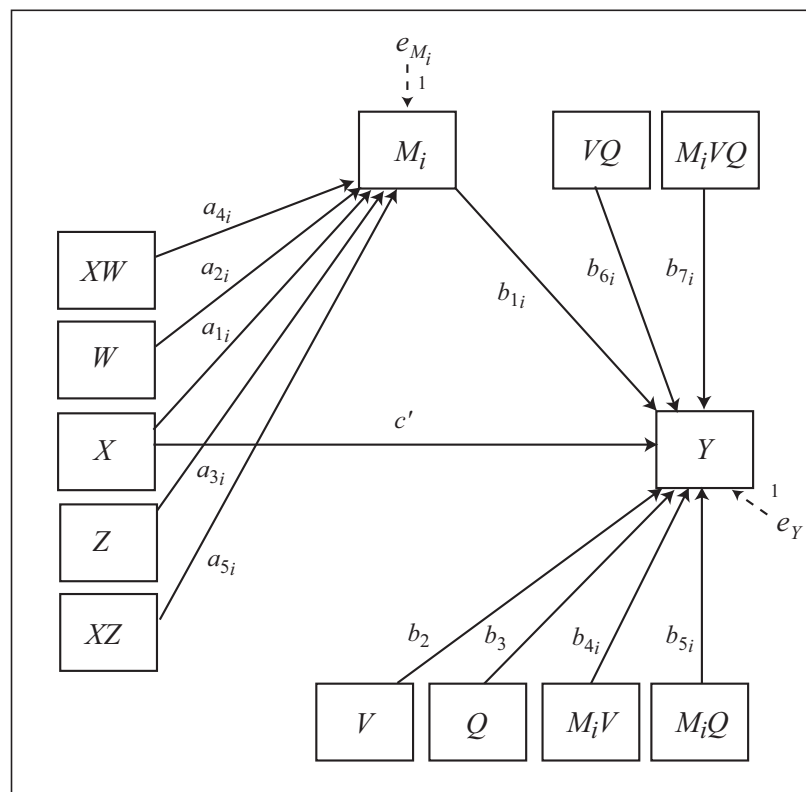
Direct effect of X on $Y = c'$

*Model 46 allows up to 10 mediators operating in parallel

Model 47

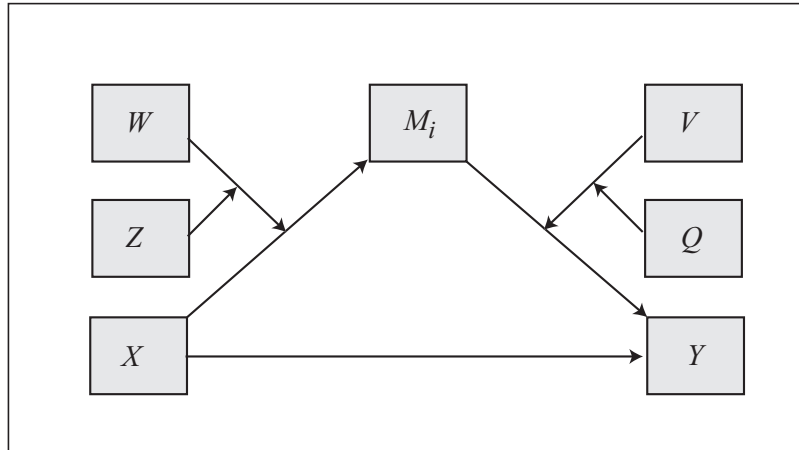### Conceptual Diagram

Statistical Diagram

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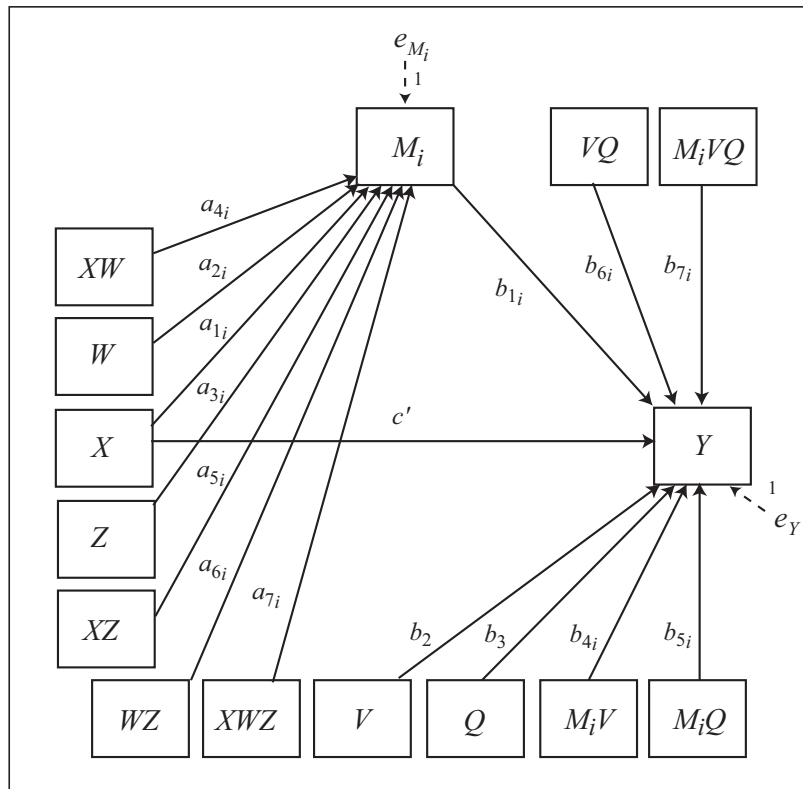
Direct effect of X on $Y = c'$

*Model 47 allows up to 10 mediators operating in parallel

Model 48

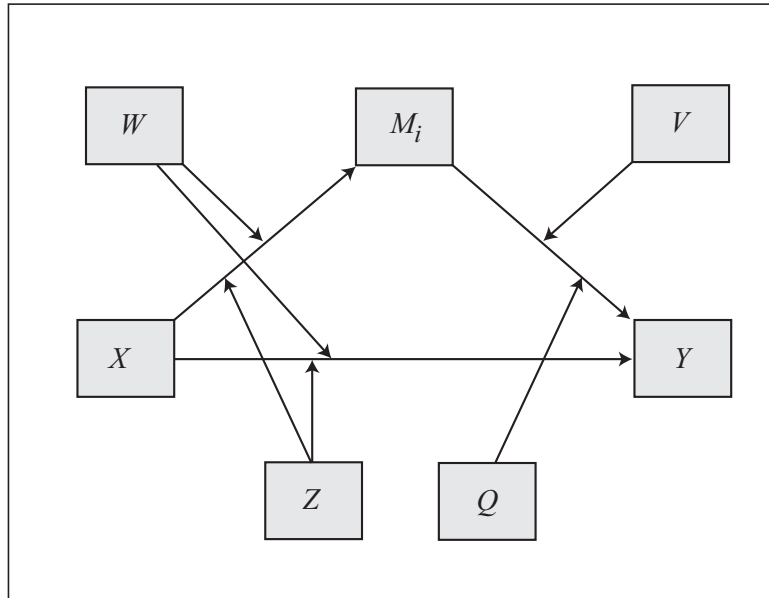### Conceptual Diagram

Statistical Diagram

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

$(b_{1i} + b_{4i}V + b_{5i}Q + b_{7i}VQ)$
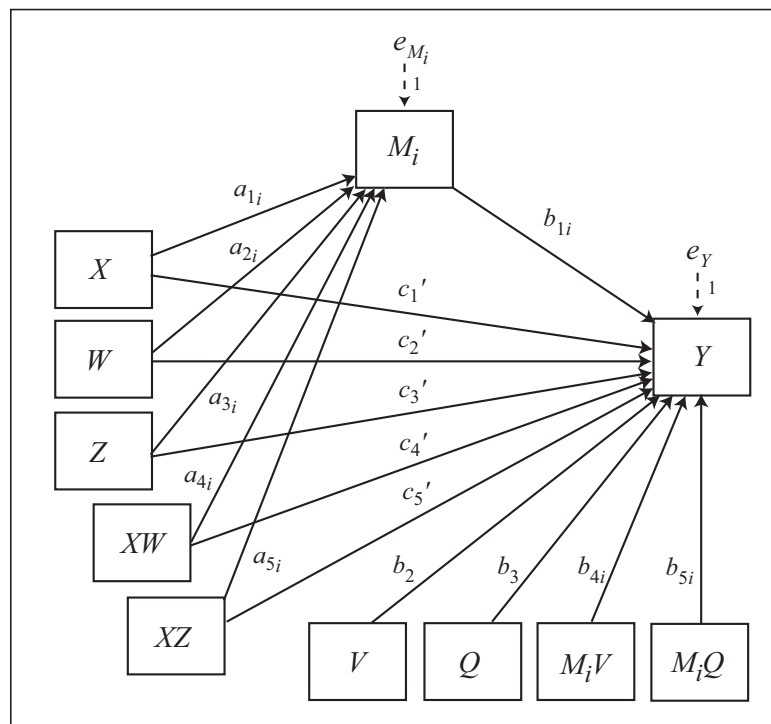
Direct effect of X on $Y = c'$

*Model 48 allows up to 10 mediators operating in parallel
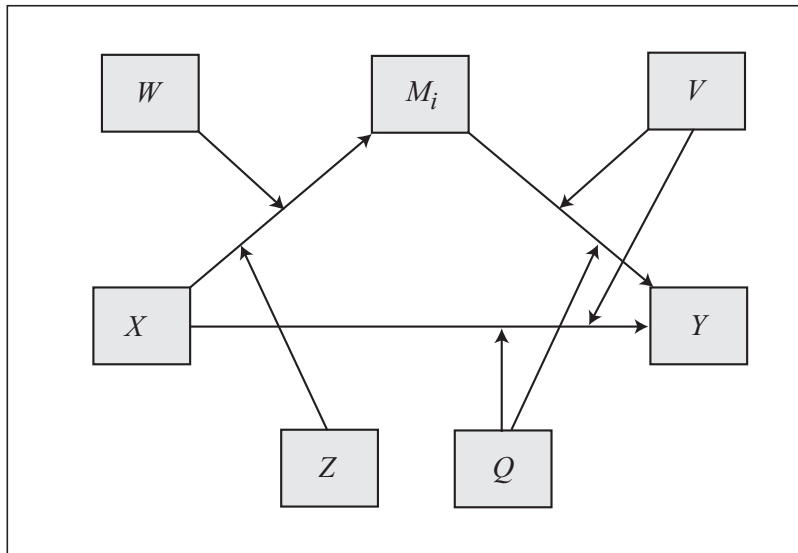
Model 49

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

Model 50

Conceptual Diagram

Statistical Diagram

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

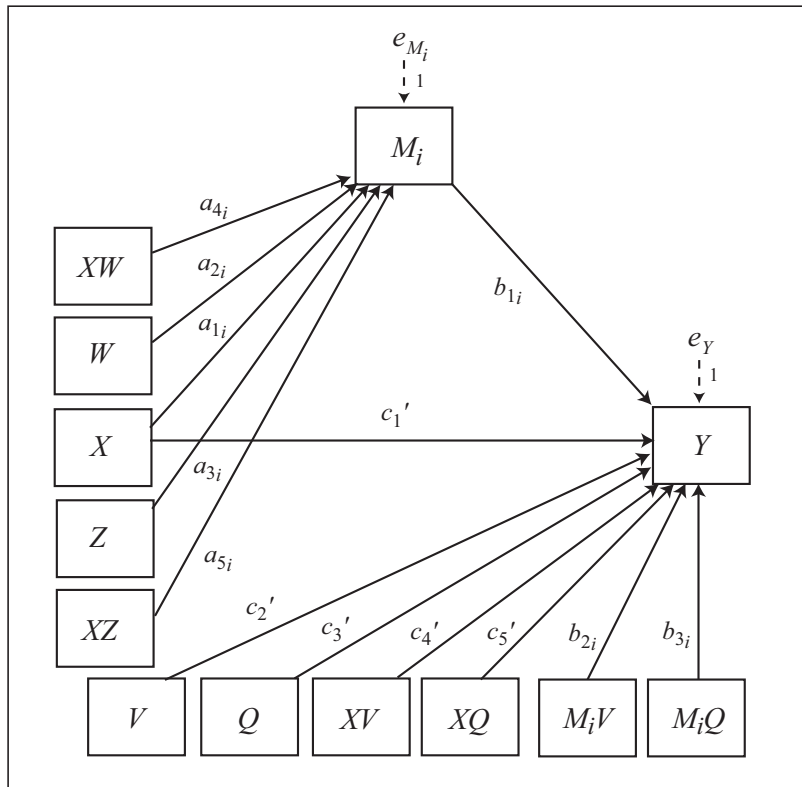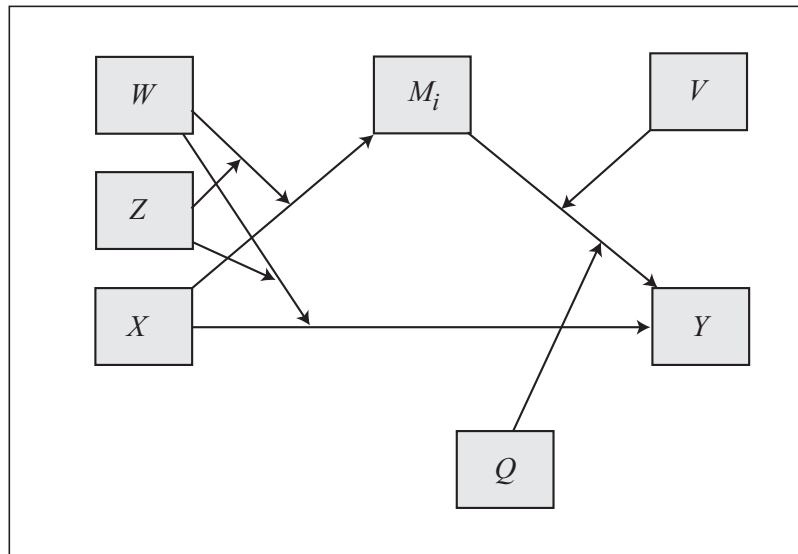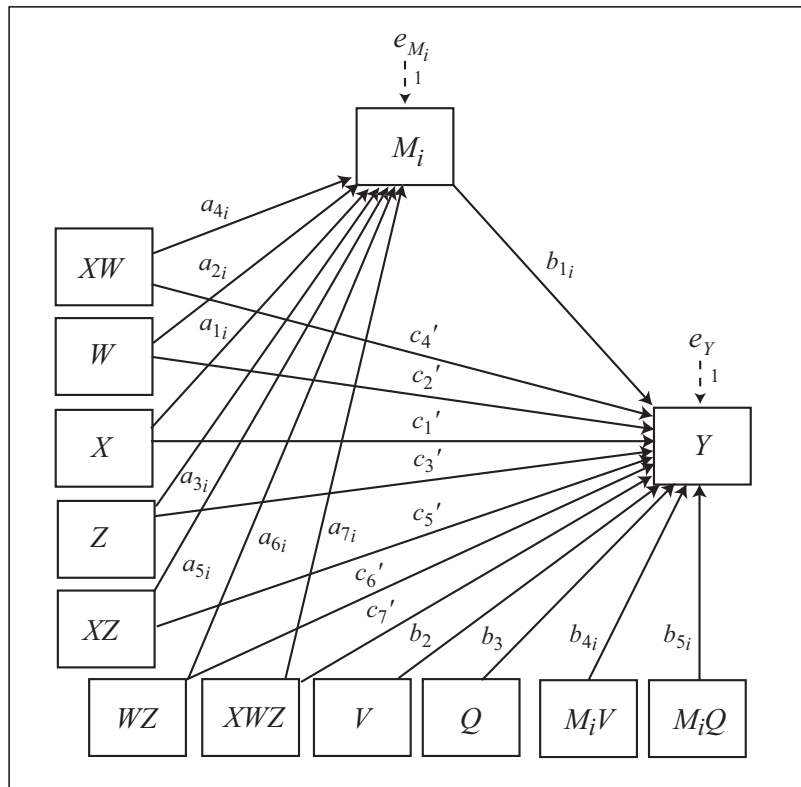Conditional direct effect of X on $Y = c_1' + c_4'V + c_5'Q$

*Model 50 allows up to 10 mediators operating in parallel

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

Model 52

Conceptual Diagram
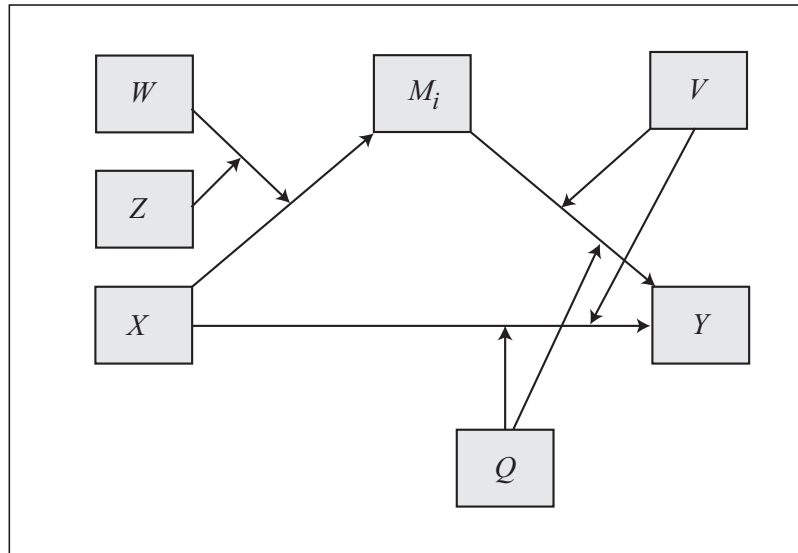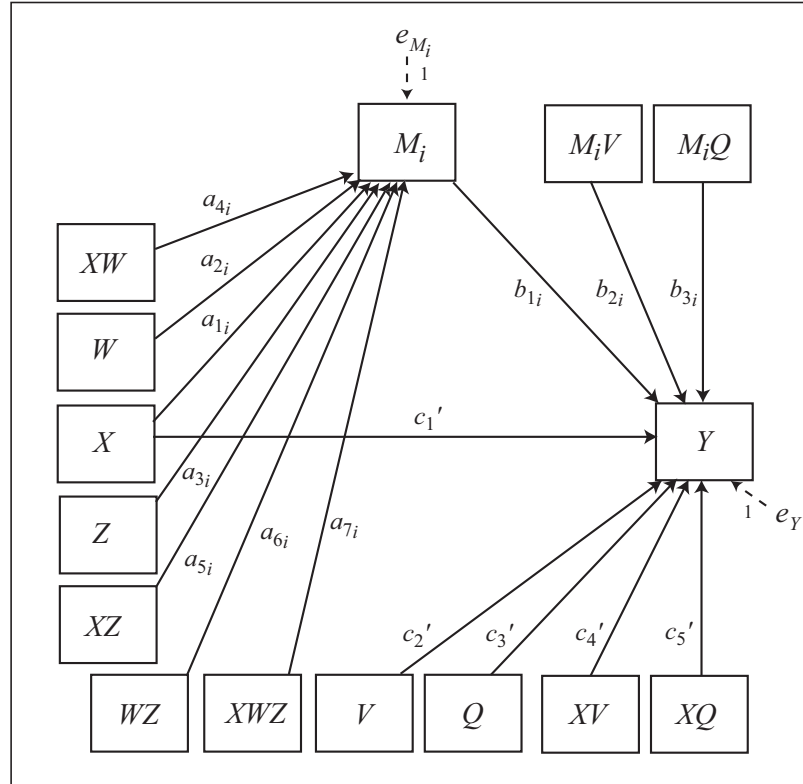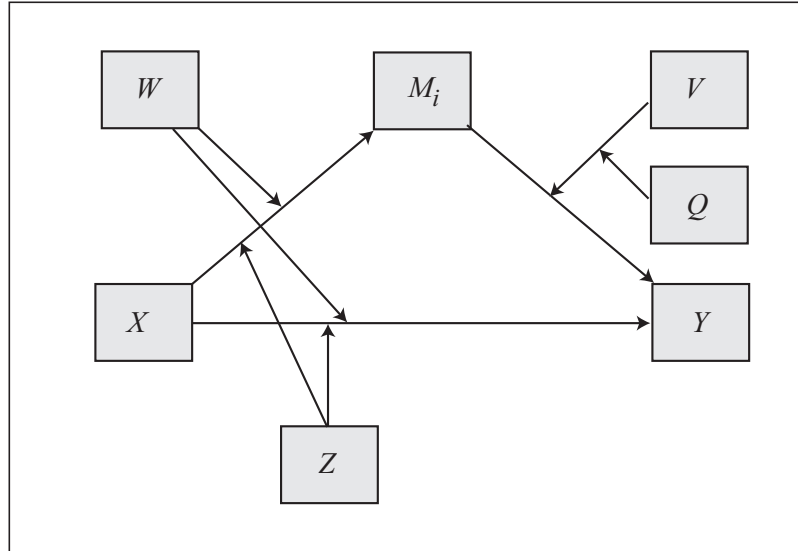

Statistical Diagram

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

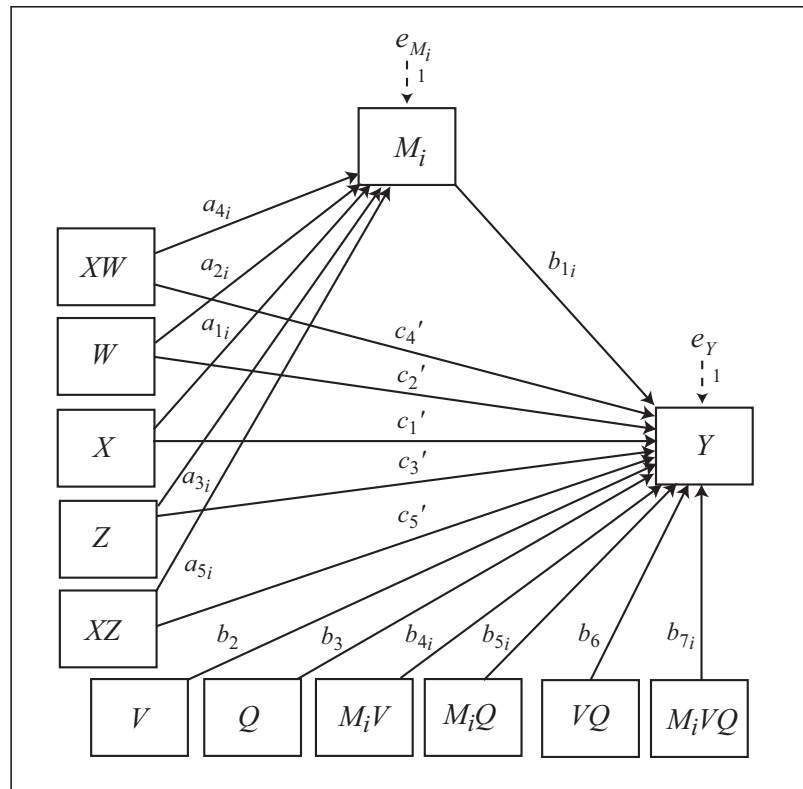Conditional direct effect of X on $Y = c_1' + c_4'V + c_5'Q$

*Model 52 allows up to 10 mediators operating in parallel

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

Model 54

Conceptual Diagram
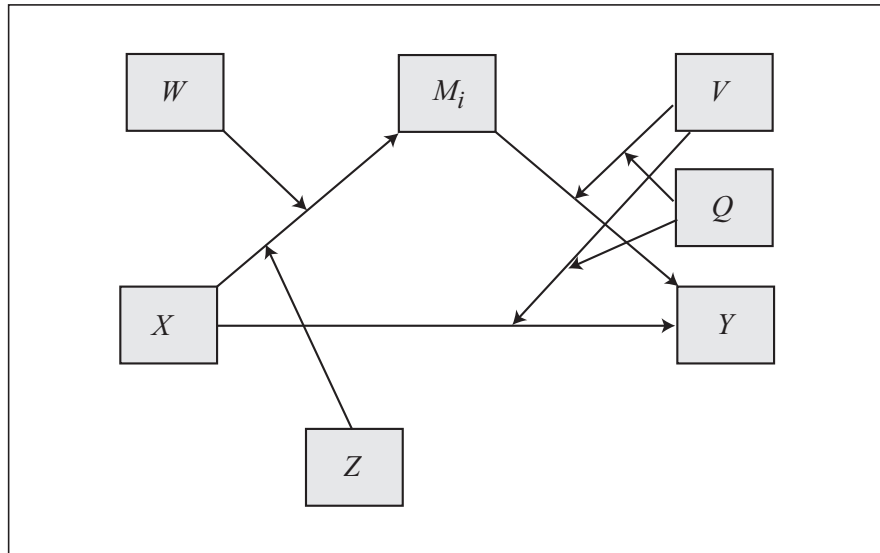

Statistical Diagram

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

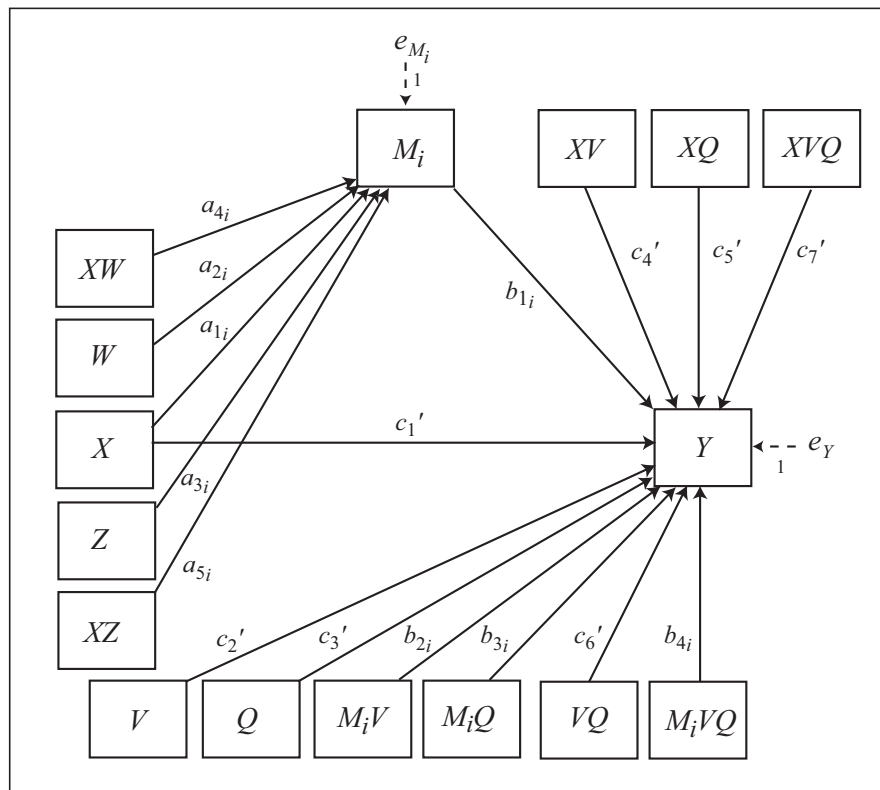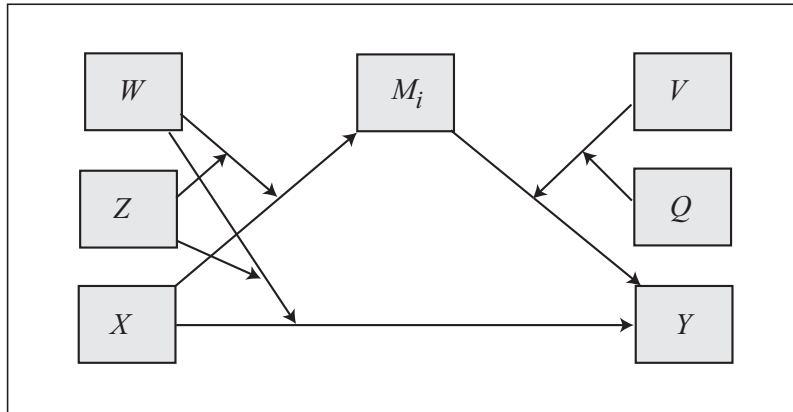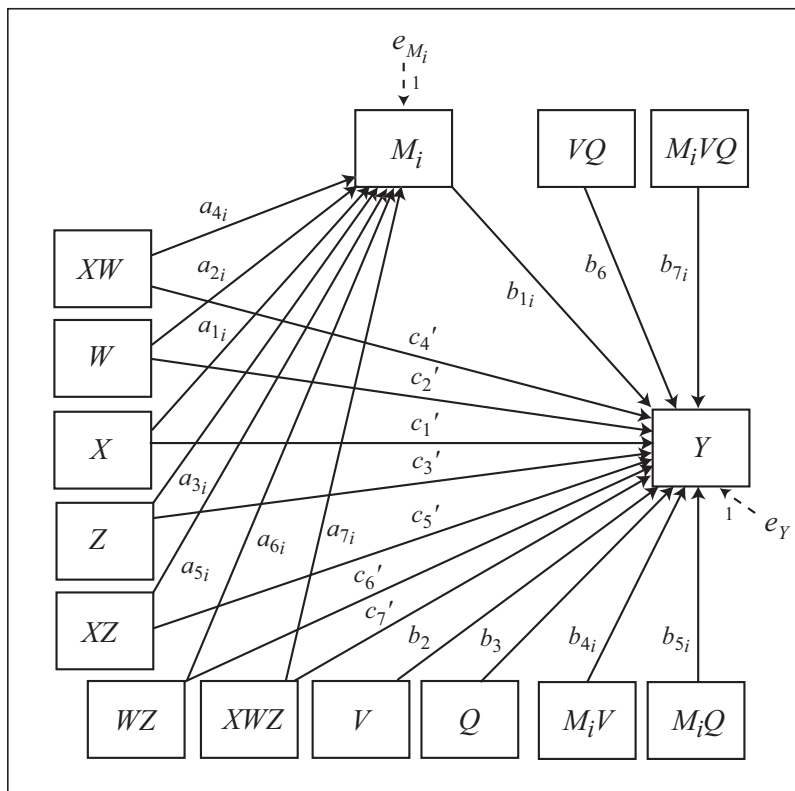Conditional direct effect of X on $Y = c_1' + c_4'V + c_5'Q + c_7'VQ$

*Model 54 allows up to 10 mediators operating in parallel
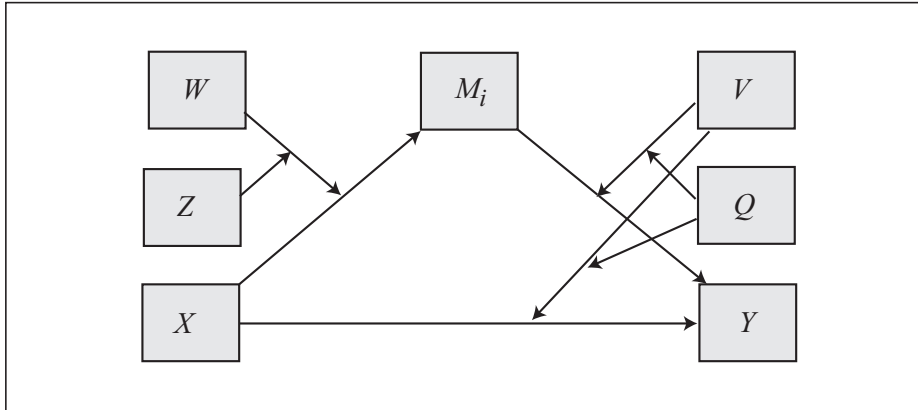
Model 55

Conceptual Diagram

Statistical Diagram

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

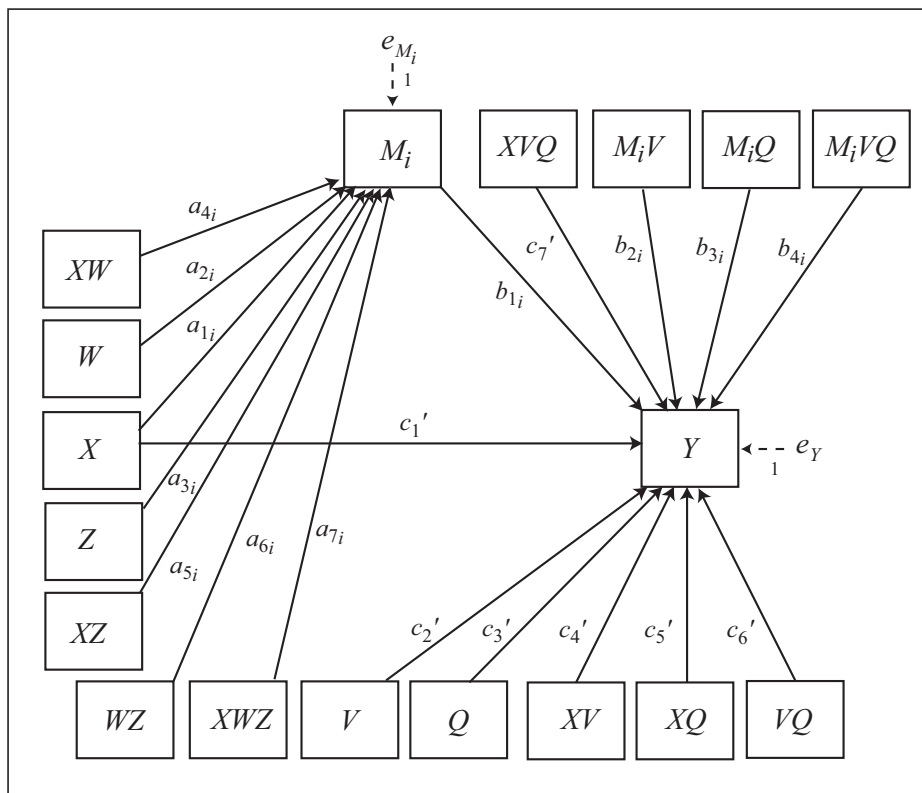Conditional direct effect of X on $Y = c_1' + c_4'W + c_5'Z + c_7'WZ$

*Model 55 allows up to 10 mediators operating in parallel

Model 56

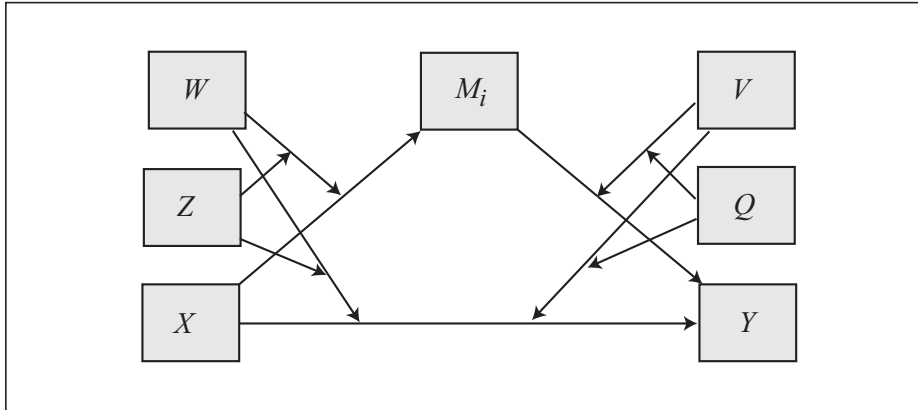### Conceptual Diagram

Statistical Diagram

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

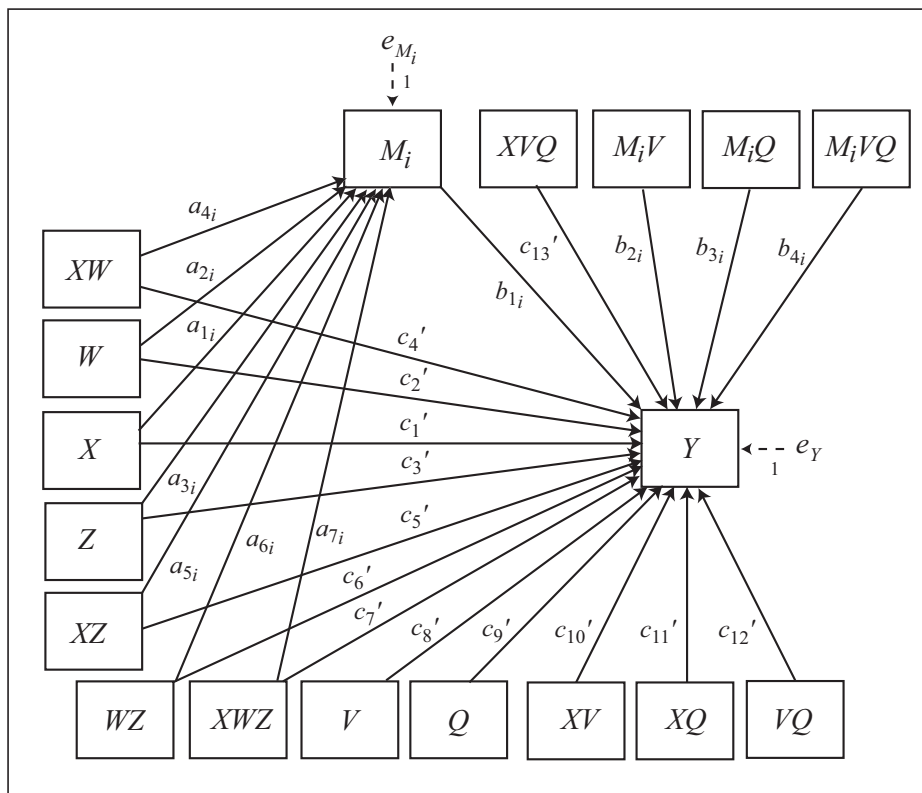Conditional direct effect of X on $Y = (c_1' + c_4'V + c_5'Q + c_7'VQ)$

*Model 56 allows up to 10 mediators operating in parallel

Model 57

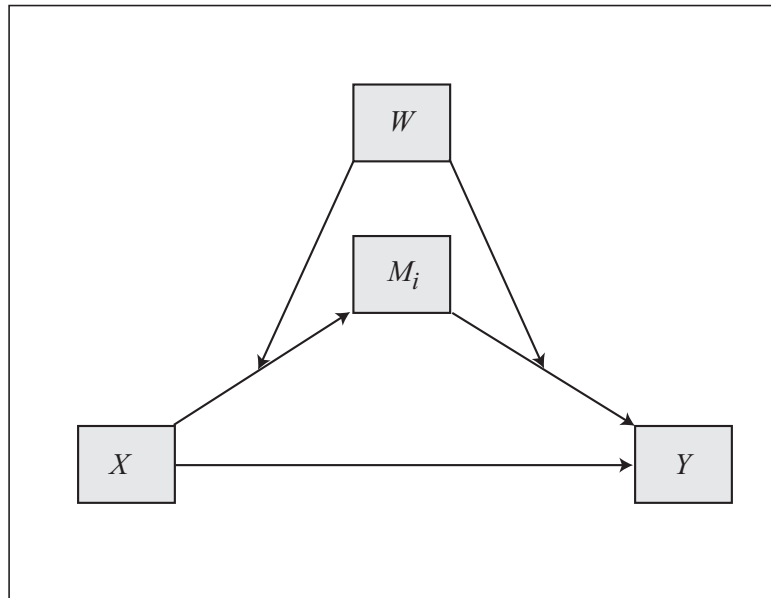### Conceptual Diagram

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 $Y = (c_1' + c_4'W + c_5'Z + c_7'WZ + c_{10}'V + c_{11}'Q + c_{13}'VQ)$
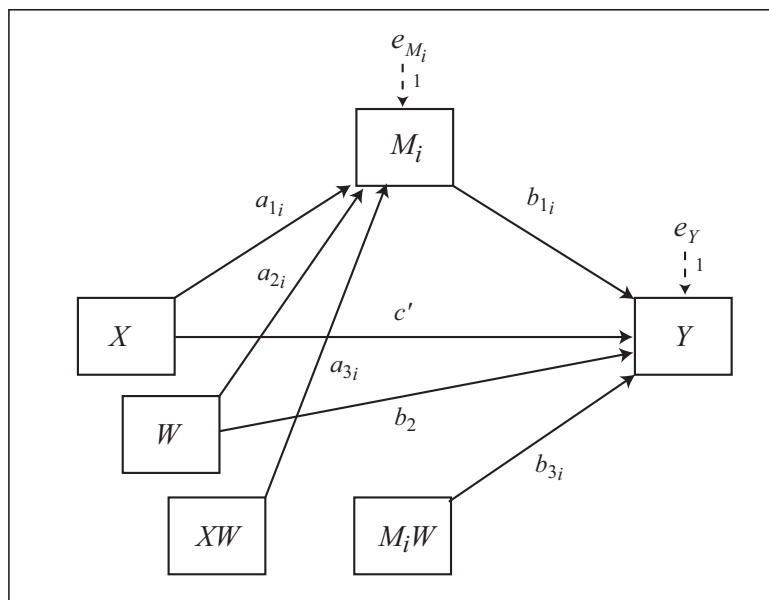
*Model 57 allows up to 10 mediators operating in parallel

Model 58

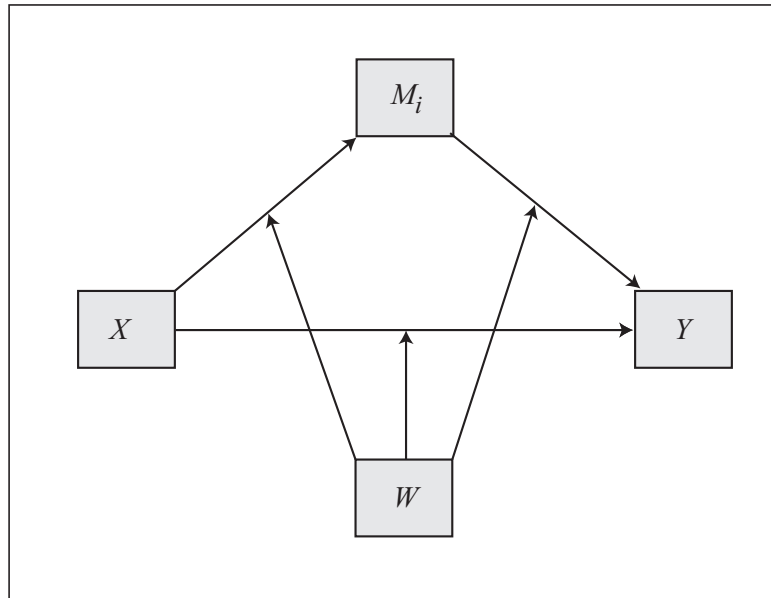## Conceptual Diagram

Statistical Diagram

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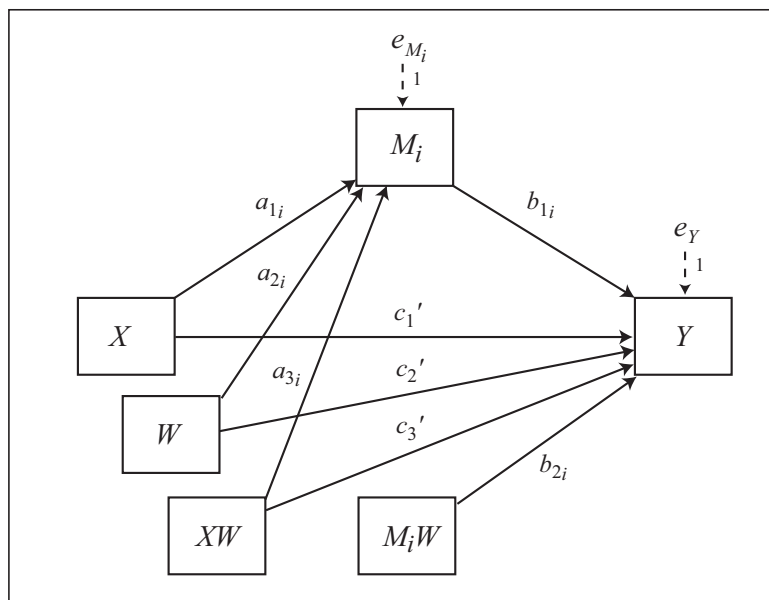
Direct effect of X on $Y = c'$

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

Model 59

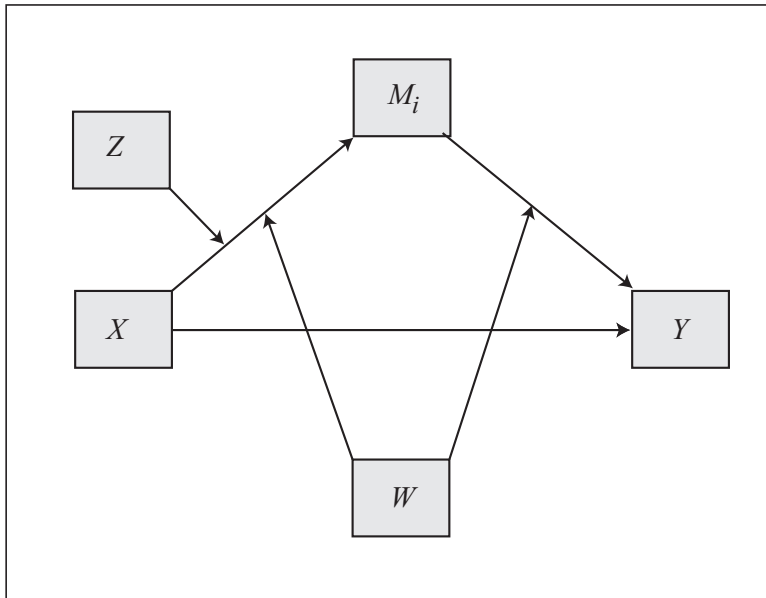Conceptual Diagram

Statistical Diagram

Conditional indirect effect of X on Y through $M_i = (a_{1i} + a_{3i}W)(b_{1i} + b_{2i}W)$
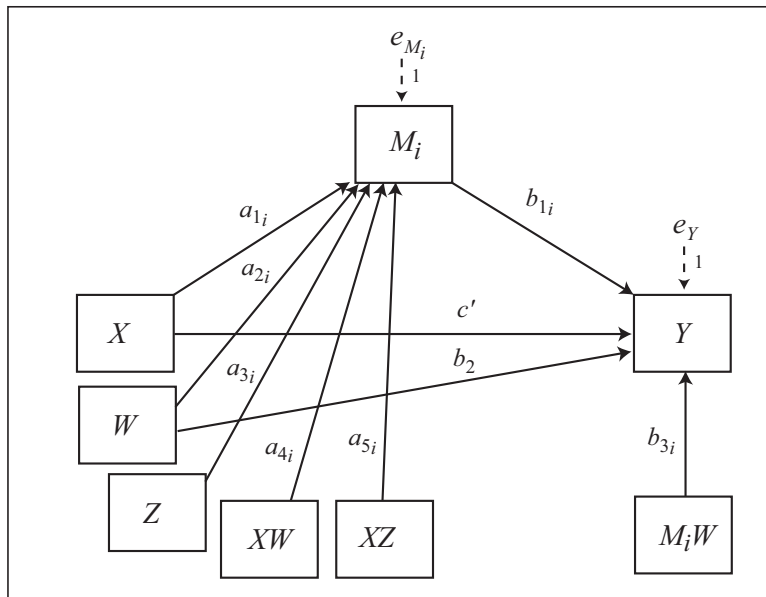Conditional direct effect of X on $Y = c_1' + c_3'W$

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

Model 60

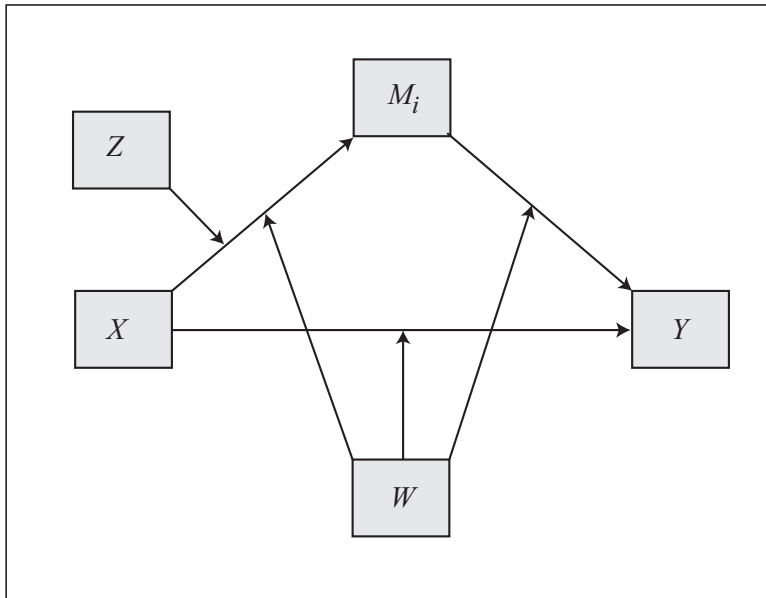Conceptual Diagram

Statistical Diagram

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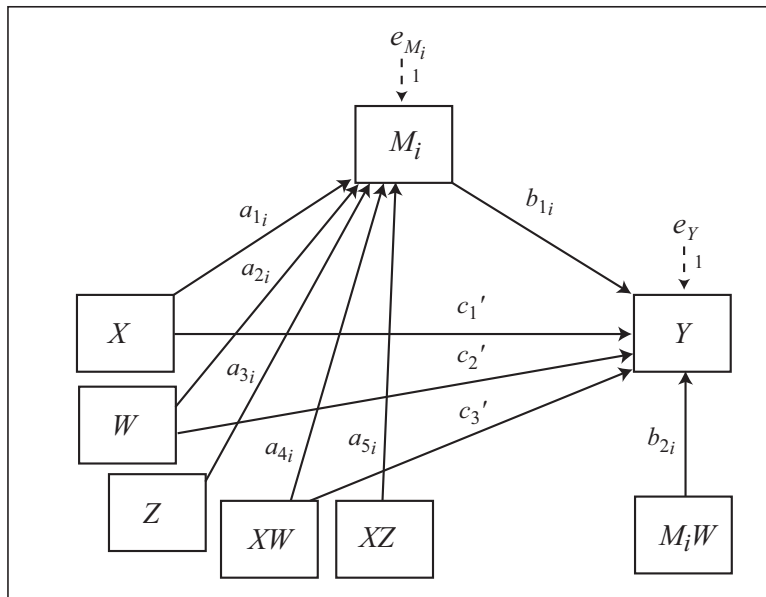
Direct effect of X on $Y = c'$

*Model 60 allows up to 10 mediators operating in parallel
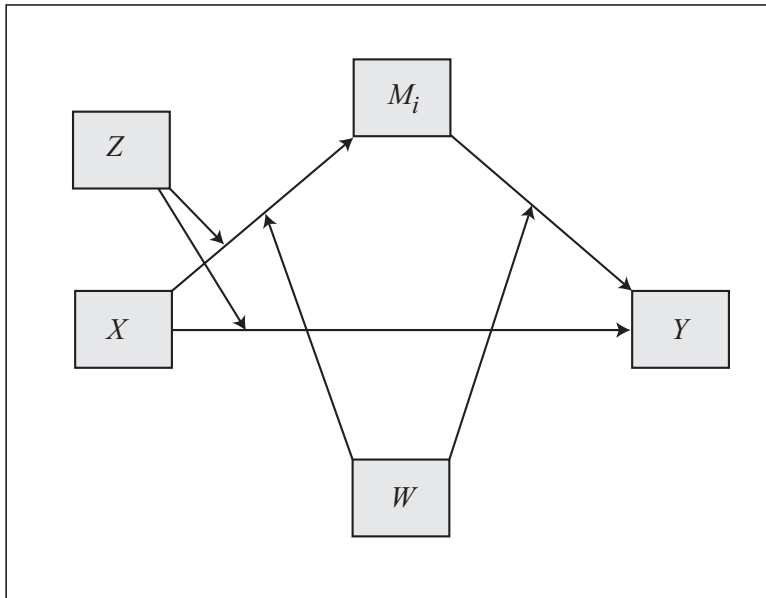
Model 61

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

Model 62

Conceptual Diagram

Statistical Diagram

Conditional indirect effect of X on Y through $M_i = (a_{1i} + a_{4i}W + a_{5i}Z)(b_{1i} + b_{3i}W)$
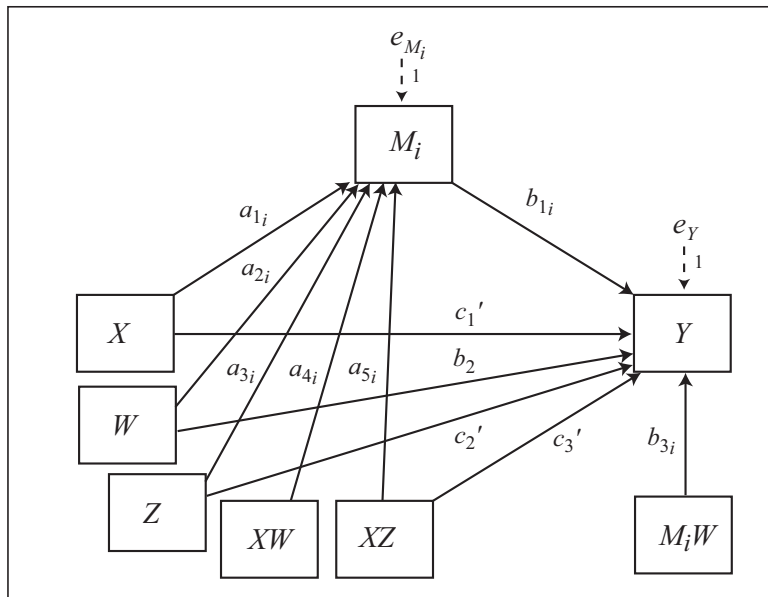Conditional direct effect of X on $Y = c_1' + c_3'Z$

*Model 62 allows up to 10 mediators operating in parallel

Model 63

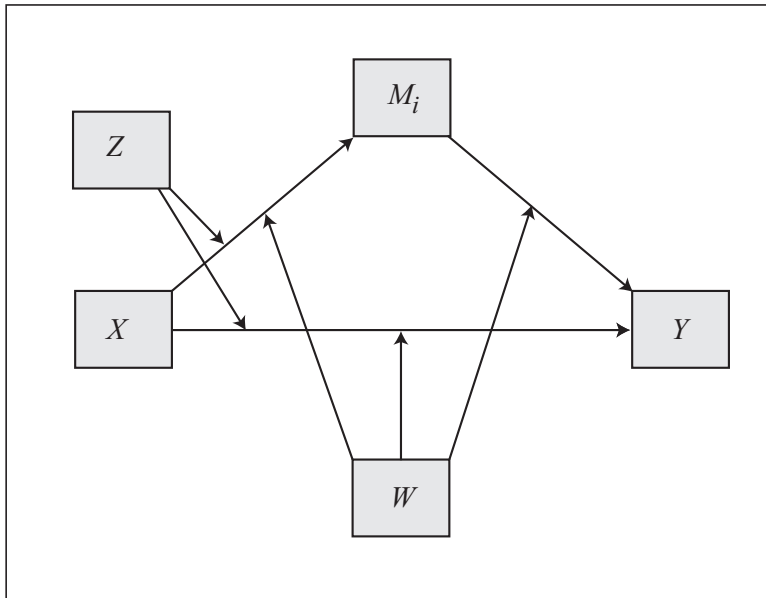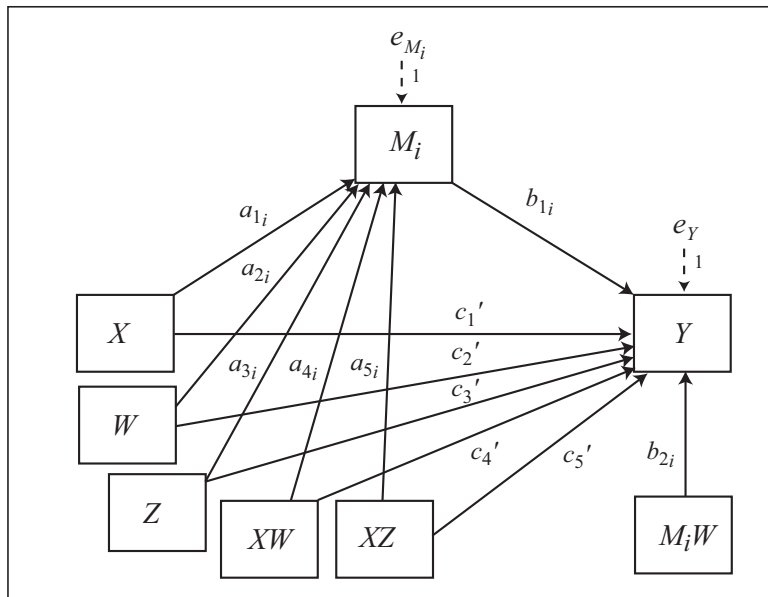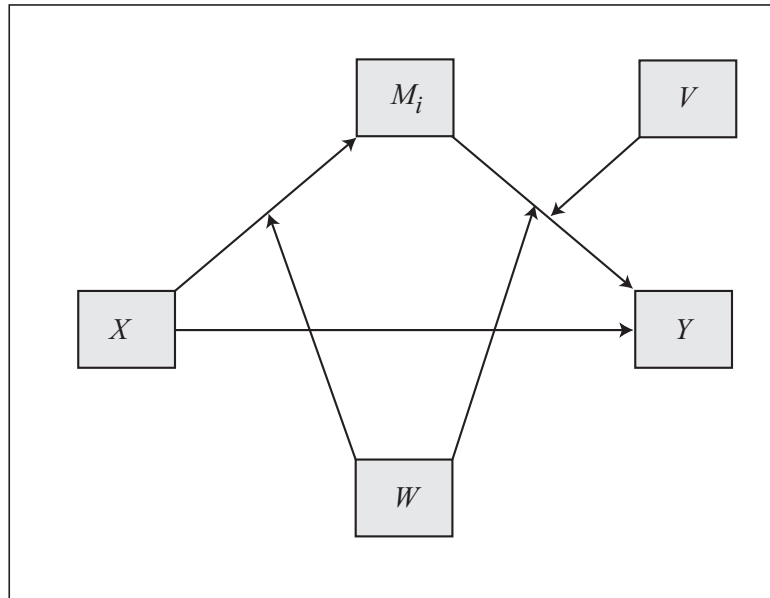Conceptual Diagram

Statistical Diagram

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

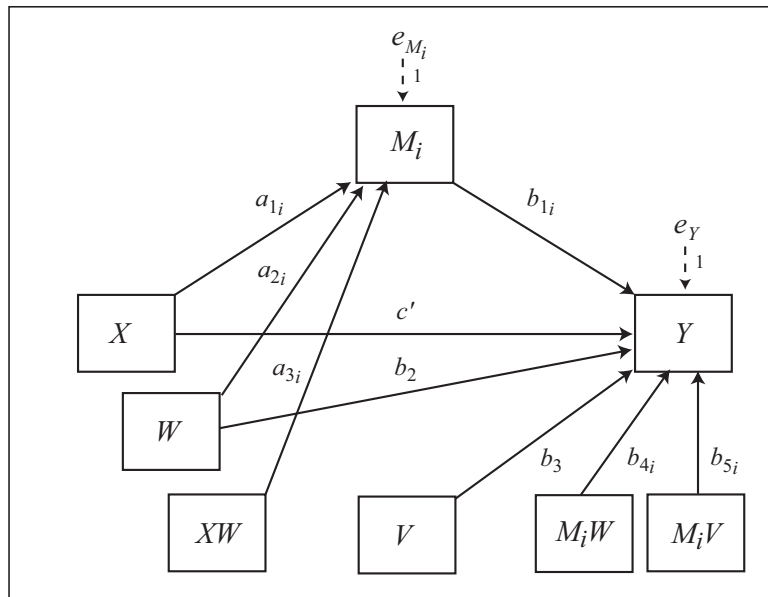Conditional direct effect of X on $Y = c_1' + c_4'W + c_5'Z$

*Model 63 allows up to 10 mediators operating in parallel

Model 64

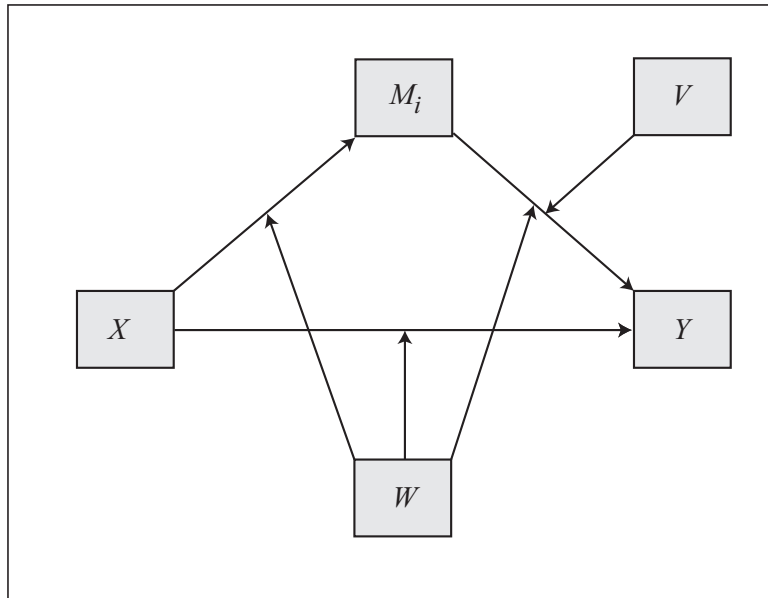### Conceptual Diagram

Statistical Diagram

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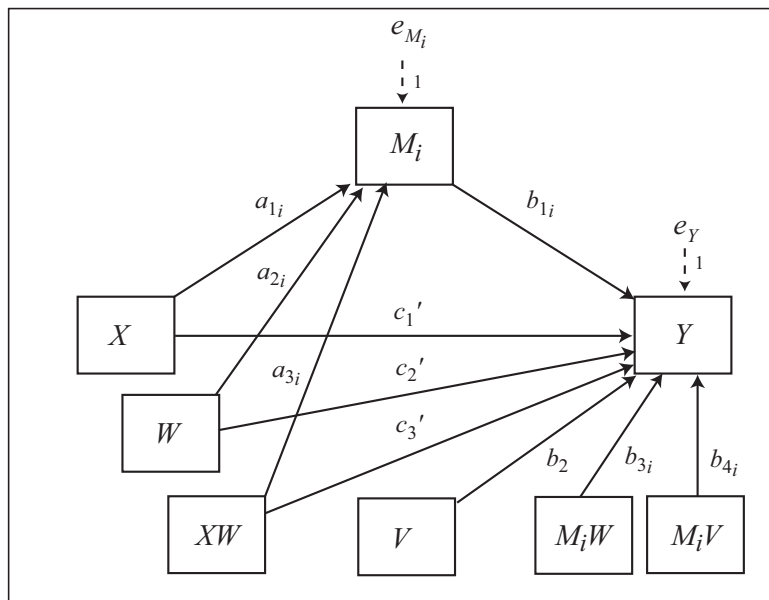
Direct effect of X on $Y = c'$

*Model 64 allows up to 10 mediators operating in parallel
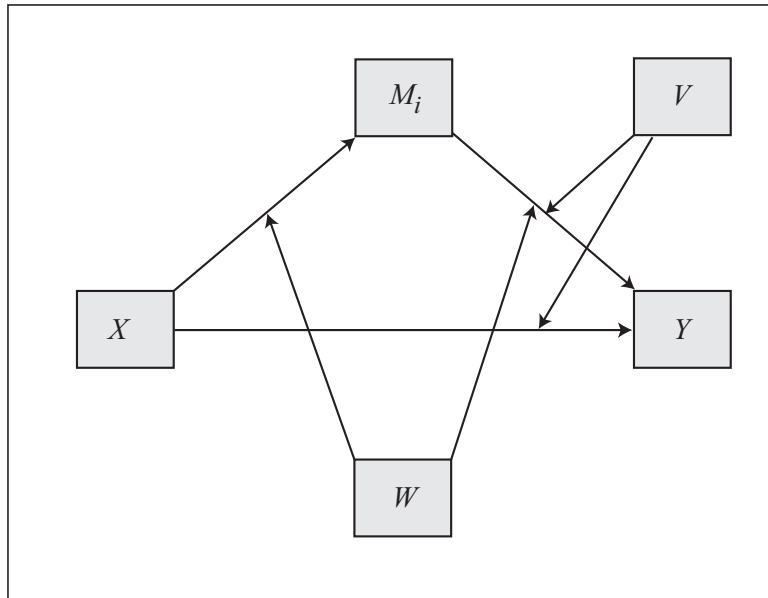
Model 65

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

Model 66

Conceptual Diagram

Statistical Diagram

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

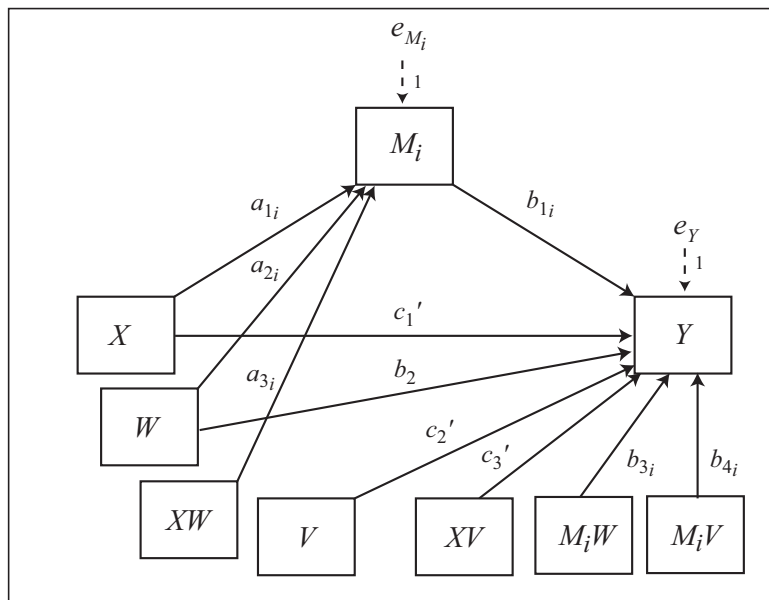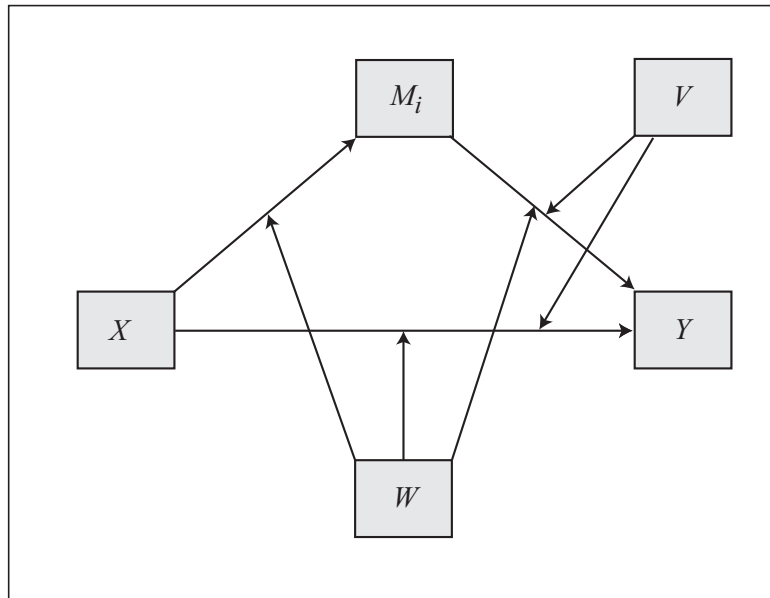Conditional direct effect of X on $Y = c_1' + c_3'V$

*Model 66 allows up to 10 mediators operating in parallel

Model 67

Conceptual Diagram

Statistical Diagram

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

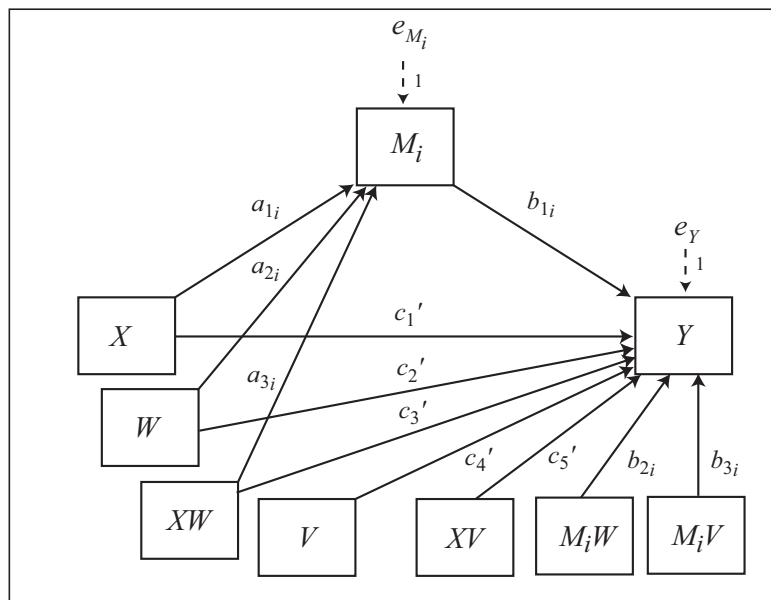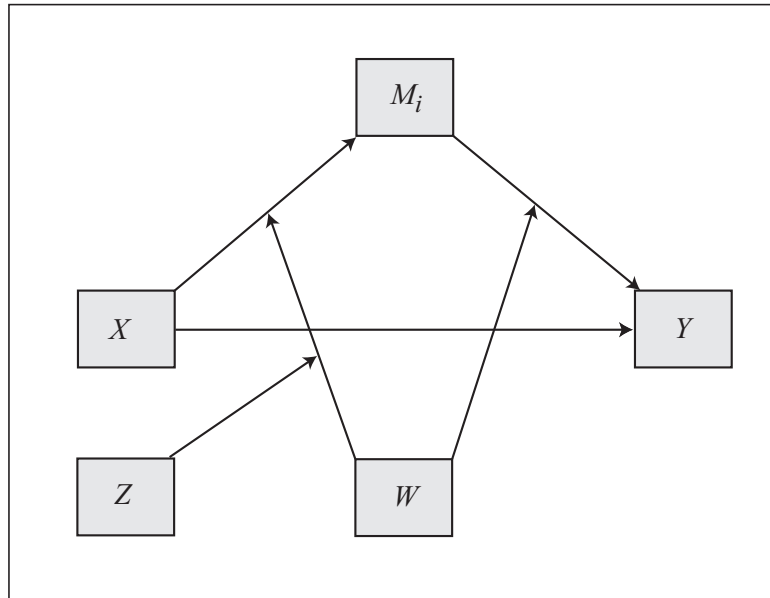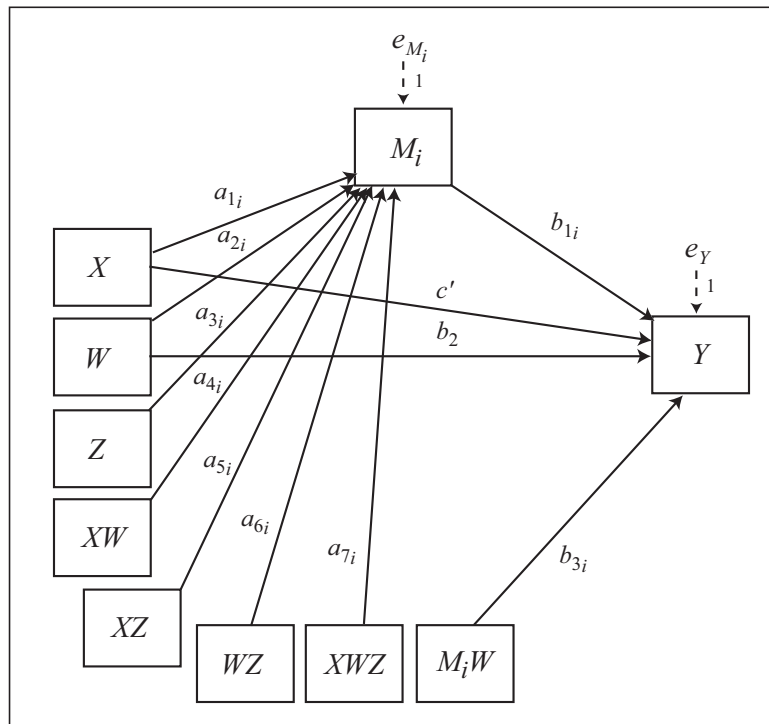Conditional direct effect of X on $Y = c_1' + c_3'W + c_5'V$

*Model 67 allows up to 10 mediators operating in parallel

Model 68

Conceptual Diagram
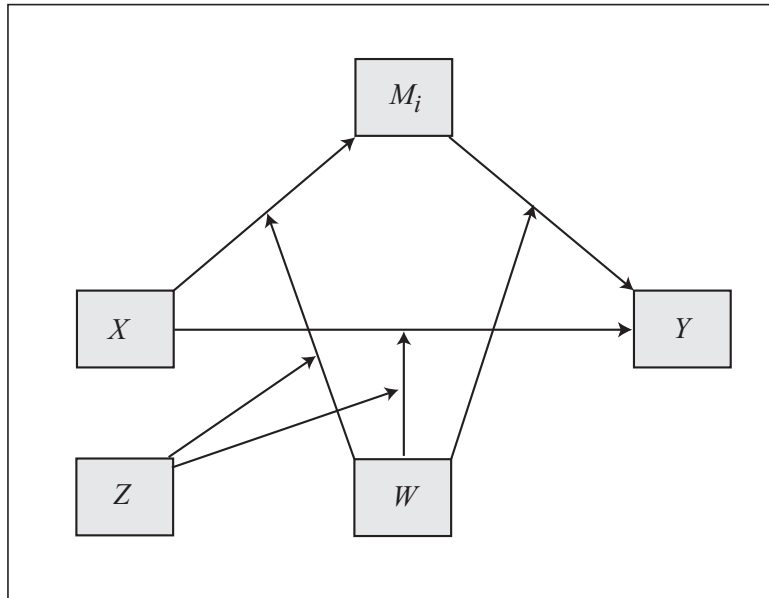

Statistical Diagram

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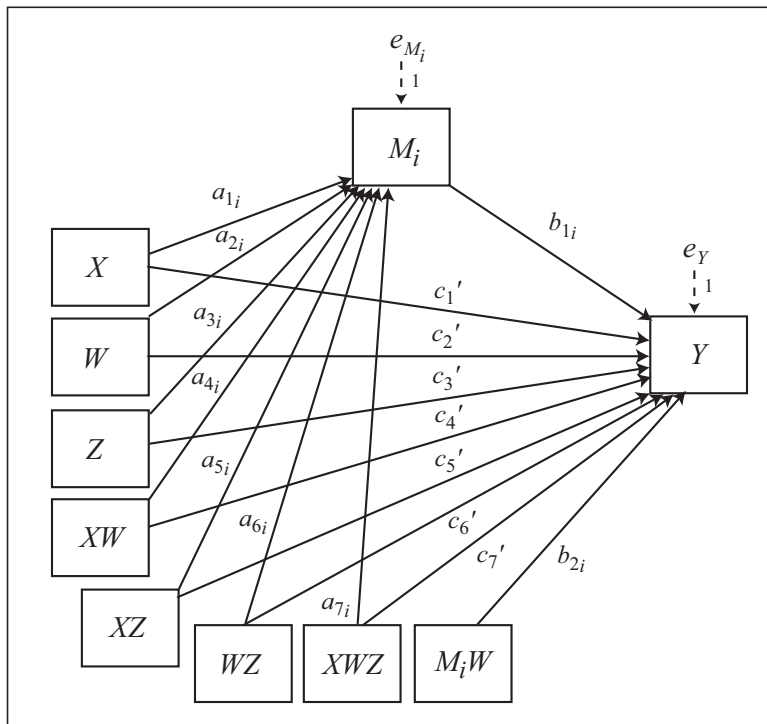
Direct effect of X on $Y = c'$

*Model 68 allows up to 10 mediators operating in parallel
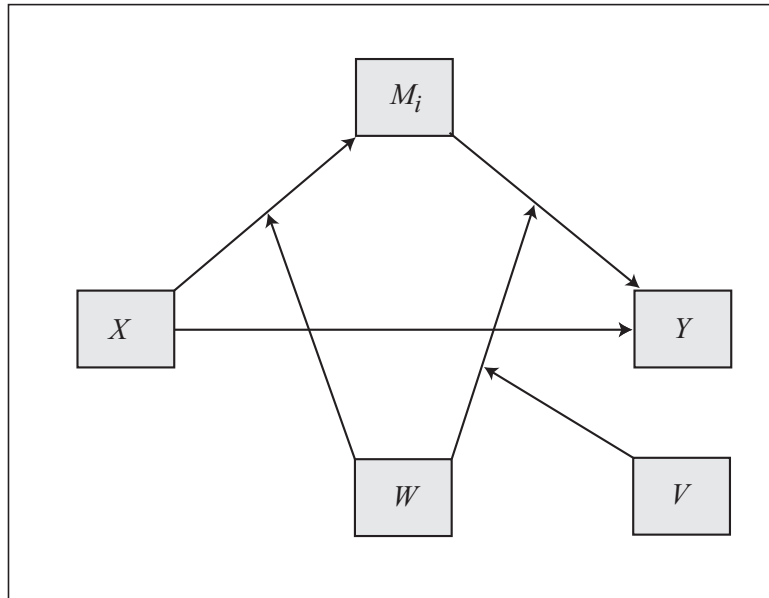
Model 69

Conceptual Diagram

Statistical Diagram

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

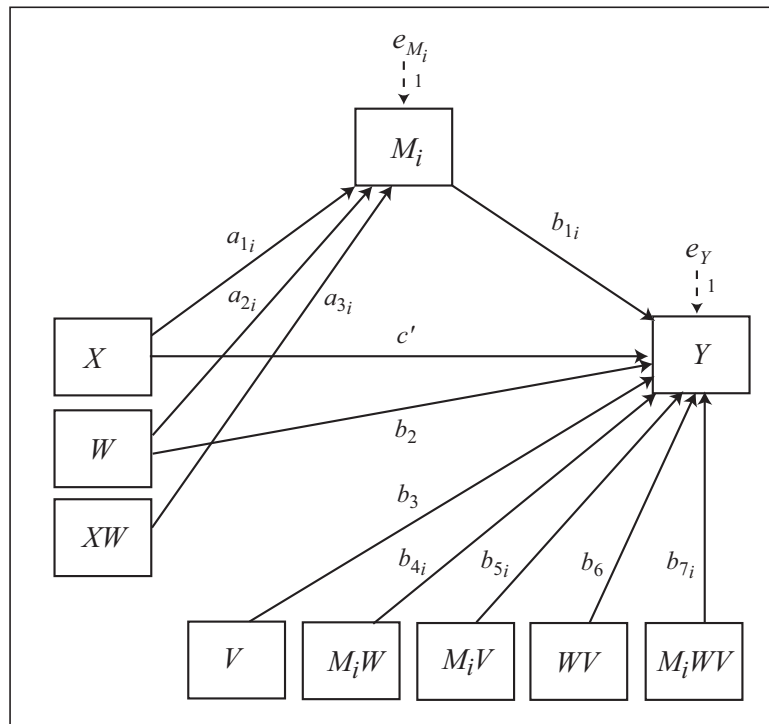Conditional direct effect of X on $Y = c_1' + c_4'W + c_5'Z + c_7'WZ$

*Model 69 allows up to 10 mediators operating in parallel

Model 70

Conceptual Diagram
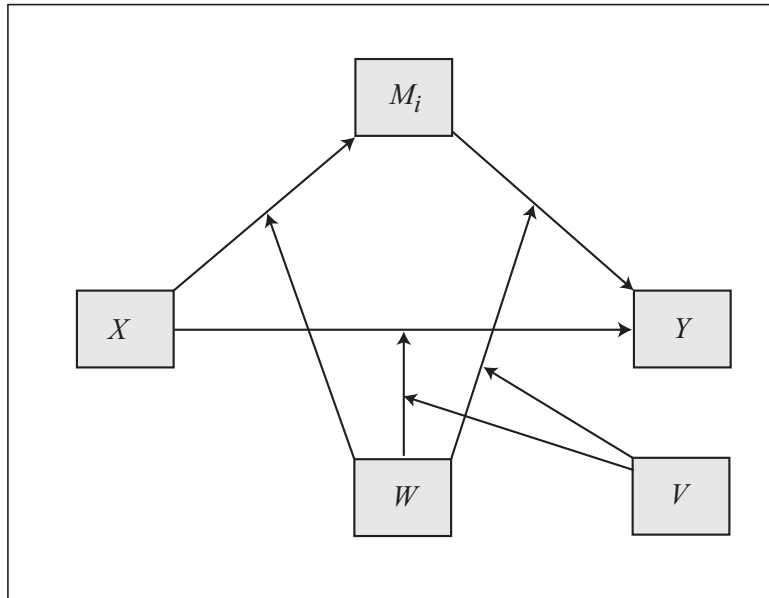

Statistical Diagram

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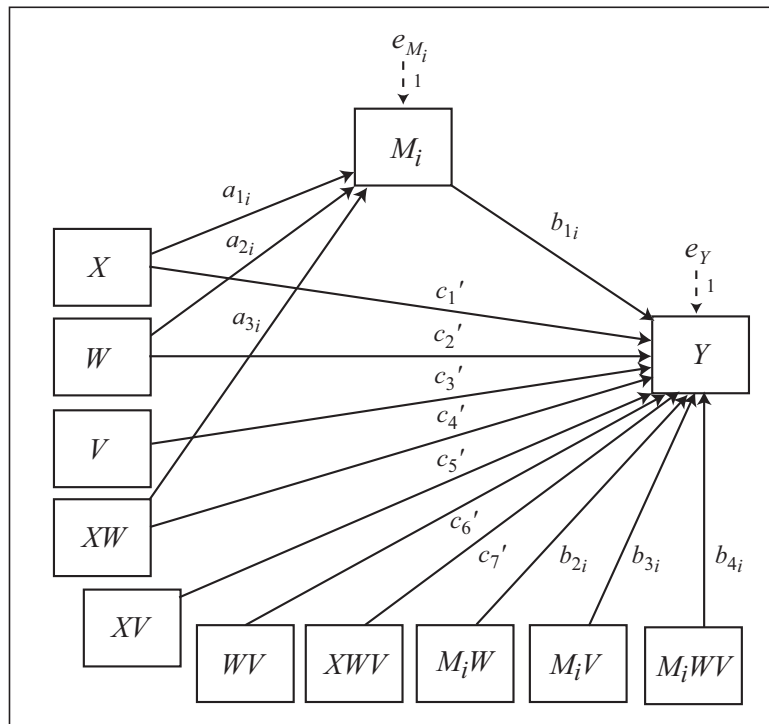
Direct effect of X on $Y = c'$

*Model 70 allows up to 10 mediators operating in parallel

Model 71

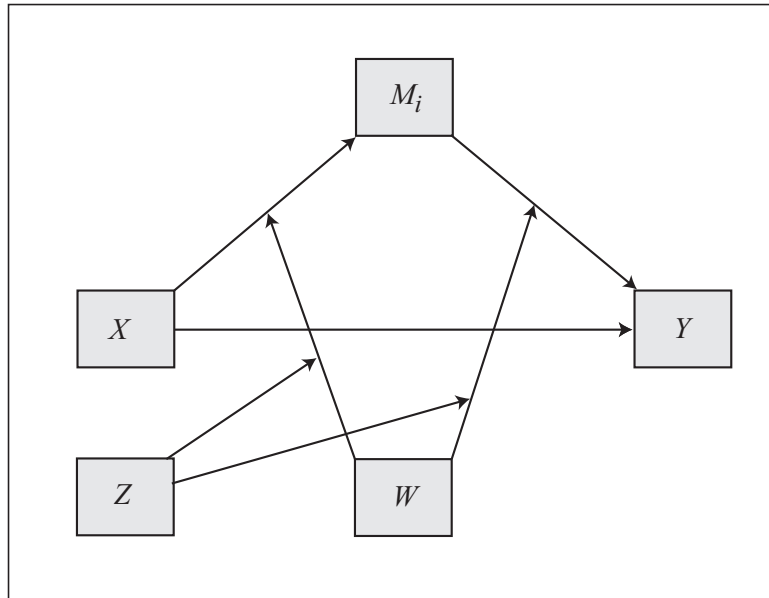## Conceptual Diagram

Statistical Diagram

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

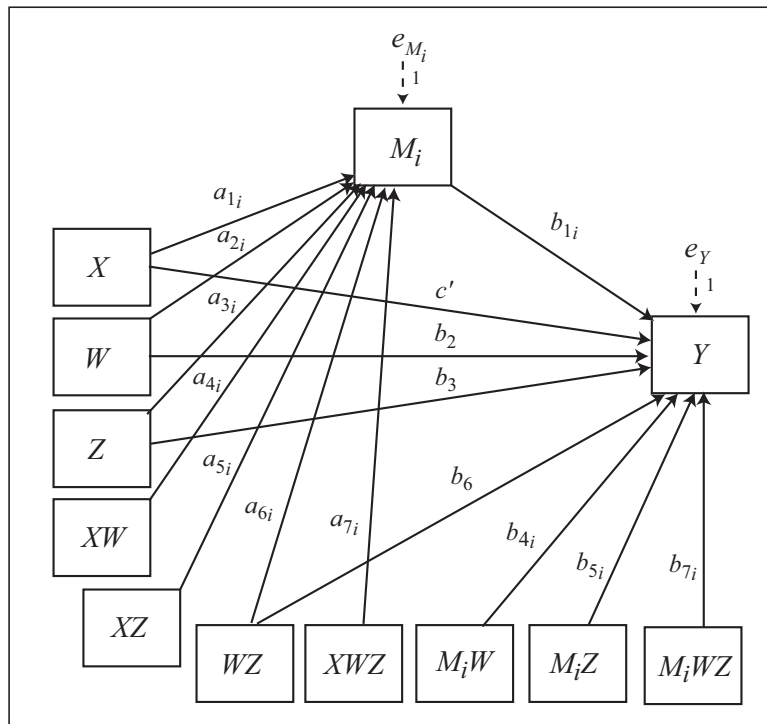Conditional direct effect of X on $Y = c_1' + c_4'W + c_5'V + c_7'WV$

*Model 71 allows up to 10 mediators operating in parallel

Model 72

Conceptual Diagram

Statistical Diagram

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

Direct effect of X on $Y = c'$

*Model 72 allows up to 10 mediators operating in parallel

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
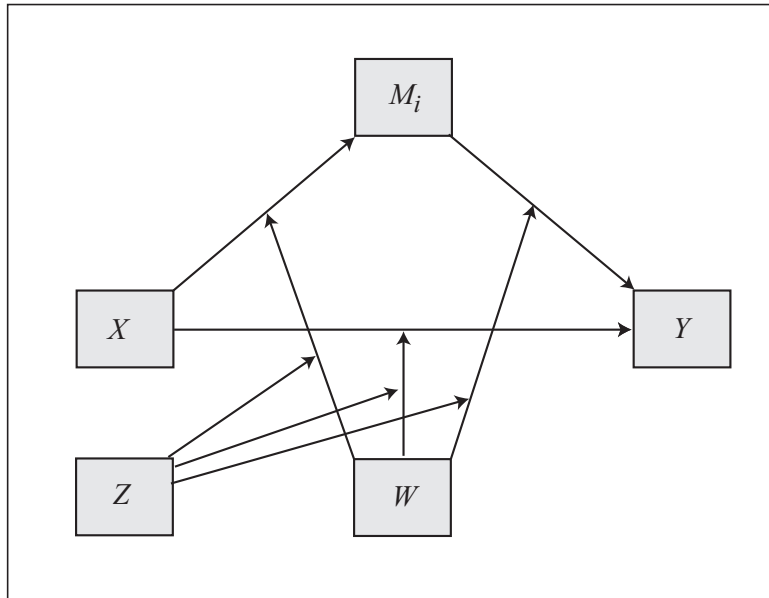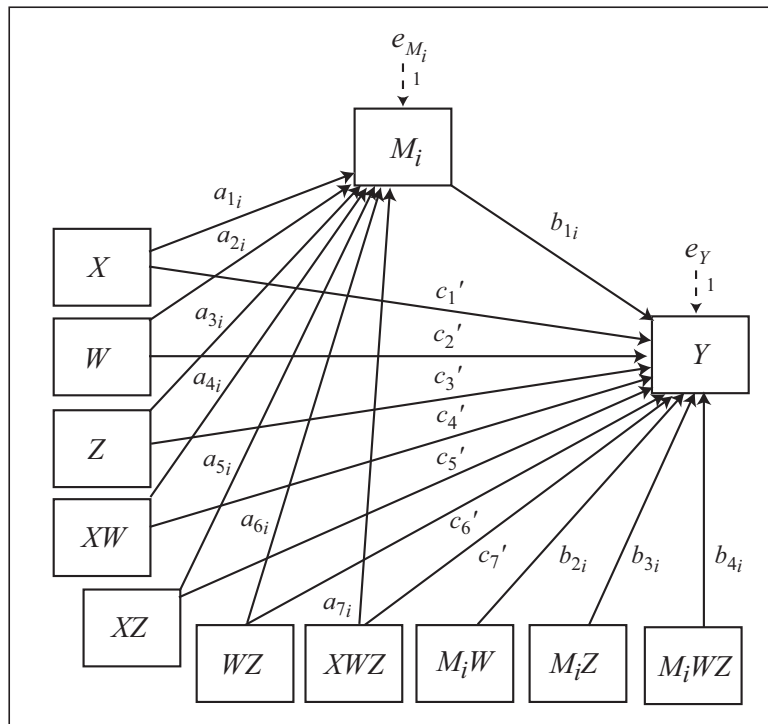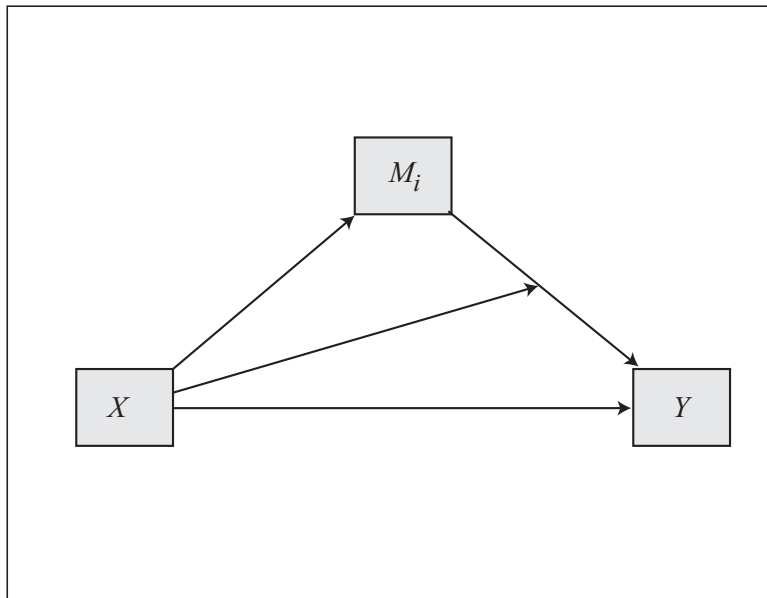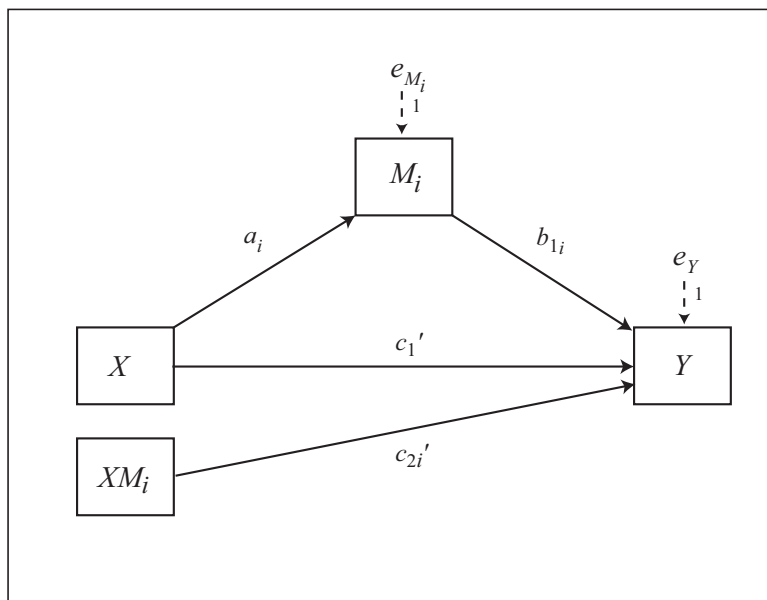
Model 74

Conceptual Diagram

Statistical Diagram

Conditional indirect effect of X on Y through $M_i = a_i (b_{1i} + c_{2i}'X)$
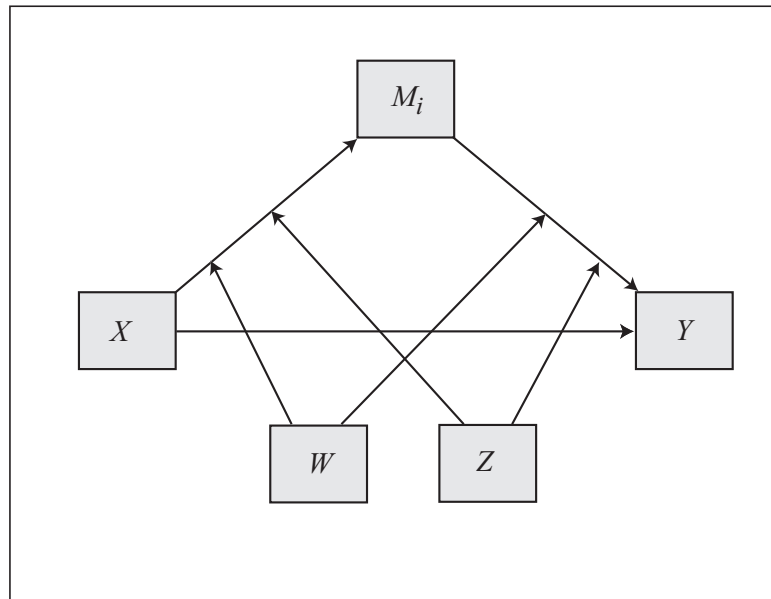Conditional direct effect of $X = c_1' + c_{2i}'M$

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*.
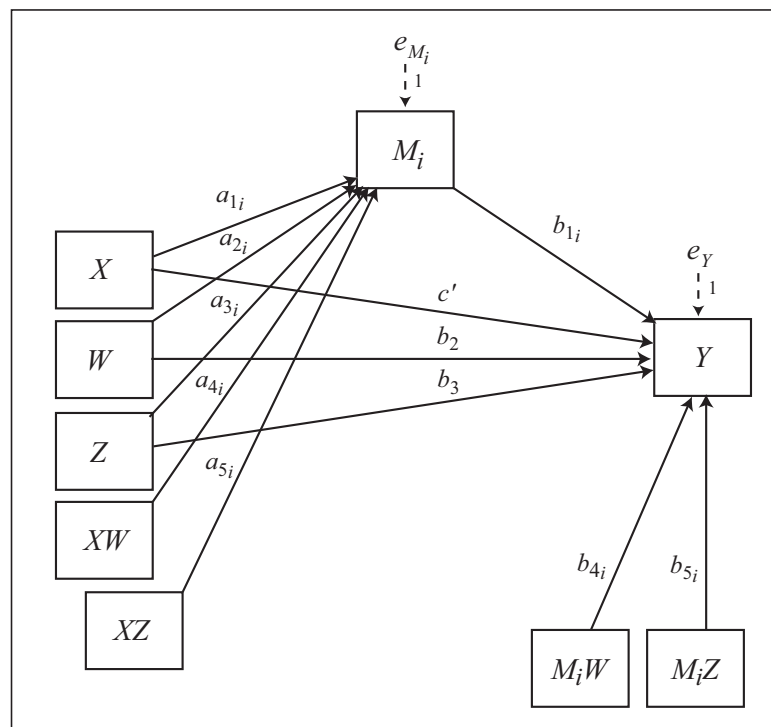
Model 75
(PROCESS v2.05 or later)

Conceptual Diagram

Statistical Diagram

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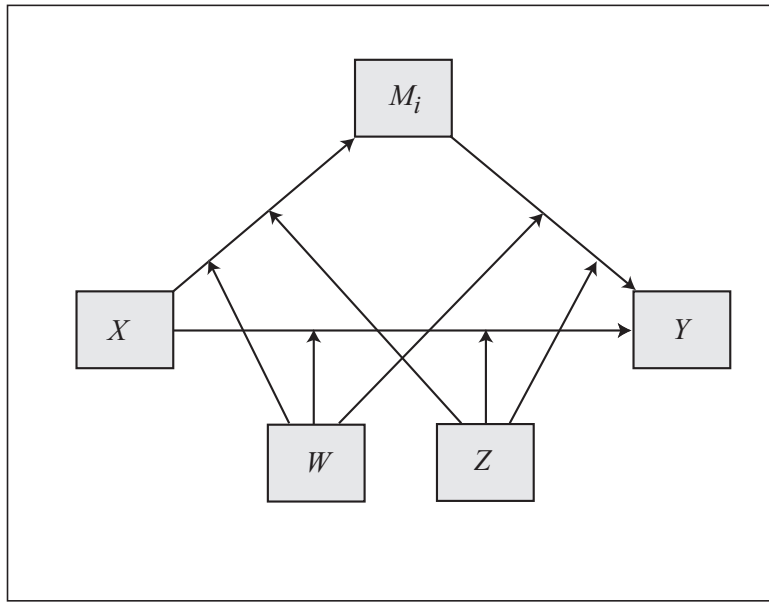
Direct effect of X on $Y = c'$

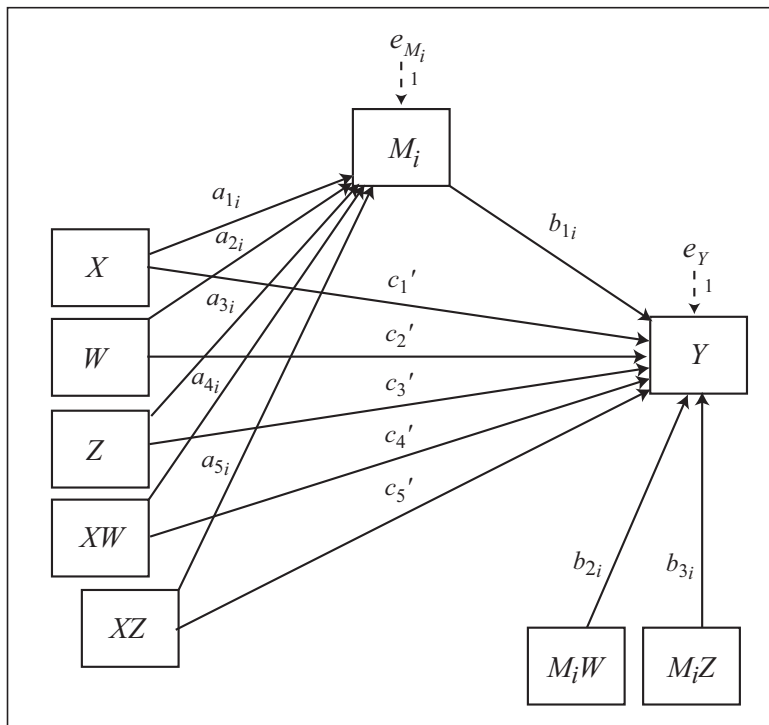*Model 75 allows up to 10 mediators operating in parallel

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