The Vincent F. Amen Equilibrium with Simultaneous Models

by Vincent F. Amen – April 21, 2023

Equilibrium Research | Model and Data

Equilibrium Research | Model

A Quantitative Model with use of Qualitative Variables Applied to Situational Behaviors and to Structure data in a manner that is meaningful to the observer.

A Model relating to an individual, event or pattern.

(1)
$qa = x_1y_1 + x_2y_2 + x_3y_3 + x_4y_4 + x_5y_5 + x_zy_z$

(2)
$x_1y_1 = a_1b_1 + a_2b_2 + a_3b_3 + a_zb_z$
$x_2y_2 = a_1b_1 + a_2b_2 + a_3b_3 + a_zb_z$
$x_3y_3 = a_1b_1 + a_2b_2 + a_3b_3 + a_zb_z$
$x_4y_4 = a_1b_1 + a_2b_2 + a_3b_3 + a_zb_z$
$x_5y_5 = a_1b_1 + a_2b_2 + a_3b_3 + a_zb_z$
$x_zy_z = a_zb_z$

(1) Main function quantitative model exploring qualitative equilibrium points

(2) Subfunction quantitative model exploring qualitative equilibrium points

(3) Quantitative model with qualitative equilibrium points to exhibit an equilibrium between qualitative variables

(4) Use of a multi-dimensional equation of mathematical programing combined with a subfunction multi-dimensional equation. Use of computer science and mathematical programming methods, to model situational behaviors or patterns

(5) The model accounts for unknown and additional variables with data stored in corresponding variables

(6) Derived meaning and understanding from the model can be exhibited

(7) Structuring data or information in this manner can elicit greater clarity as the model brings one towards equilibrium

(8) The model can be applied to a diverse amount of fields with a similar method to determine equilibrium

Equilibrium Research | Data

Unstructured Data |
L Y I P T R E B M D
W A W E F Y B C X
O P C S R T N W C

Equilibrium Points found within the unstructured data to elicit the data to be structured |

Data Bank |
L A E W O
R C N I V

A structured function as it relates to the corresponding focus on equilibrium points within the structured data from the data bank |

$z = x_1y_1 + x_2y_2 + x_3y_3 + x_4y_4 + x_5y_5 + x_6y_6 + x_7y_7 + x_8y_8 + x_9y_9 + x_{10}y_{10} + x_ny_n$

$x_1y_1 = a_1b_1 + a_2b_2 + a_3b_3 + a_xb_x$
$x_2y_2 = a_1b_1 + a_2b_2 + a_3b_3 + a_xb_x$
$x_3y_3 = a_1b_1 + a_2b_2 + a_3b_3 + a_xb_x$
$x_4y_4 = a_1b_1 + a_2b_2 + a_3b_3 + a_xb_x$
$x_5y_5 = a_1b_1 + a_2b_2 + a_3b_3 + a_xb_x$
$x_6y_6 = a_1b_1 + a_2b_2 + a_3b_3 + a_xb_x$
$x_7y_7 = a_1b_1 + a_2b_2 + a_3b_3 + a_xb_x$
$x_8y_8 = a_1b_1 + a_2b_2 + a_3b_3 + a_xb_x$
$x_9y_9 = a_1b_1 + a_2b_2 + a_3b_3 + a_xb_x$
$x_{10}y_{10} = a_1b_1 + a_2b_2 + a_3b_3 + a_xb_x$

Main Function |

$z = L_1y_1 + A_2y_2 + E_3y_3 + W_4y_4 + O_5y_5 + R_6y_6 + C_7y_7 + N_8y_8 + I_9y_9 + V_{10}y_{10} + x_ny_n$

Subfunction |

$L_1y_1 = a_1b_1 + a_2b_2 + a_3b_3 + a_xb_x$
$A_2y_2 = a_1b_1 + a_2b_2 + a_3b_3 + a_xb_x$
$E_3y_3 = a_1b_1 + a_2b_2 + a_3b_3 + a_xb_x$
$W_4y_4 = a_1b_1 + a_2b_2 + a_3b_3 + a_xb_x$
$O_5y_5 = a_1b_1 + a_2b_2 + a_3b_3 + a_xb_x$
$R_6y_6 = a_1b_1 + a_2b_2 + a_3b_3 + a_xb_x$
$C_7y_7 = a_1b_1 + a_2b_2 + a_3b_3 + a_xb_x$
$N_8y_8 = a_1b_1 + a_2b_2 + a_3b_3 + a_xb_x$
$I_9y_9 = a_1b_1 + a_2b_2 + a_3b_3 + a_xb_x$
$V_{10}y_{10} = a_1b_1 + a_2b_2 + a_3b_3 + a_xb_x$

A Model with simultaneous models combined.

(1)
$qa = x_1y_1r_1d_1 + x_2y_2r_2d_2 + x_3y_3r_3d_3 + x_4y_4r_4d_4 + x_5y_5r_5d_5 + x_zy_zr_zd_z$

(2)
$x_1y_1r_1d_1 = a_1b_1c_1e_1 + a_2b_2c_2e_2+ a_3b_3c_3e_3 + a_zb_zc_ze_z$
$x_2y_2r_2d_2 = a_1b_1c_1e_1 + a_2b_2c_2e_2 + a_3b_3c_3e_3 + a_zb_zc_ze_z$
$x_3y_3r_3d_3 = a_1b_1c_1e_1 + a_2b_2c_2e_2 + a_3b_3c_3e_3 + a_zb_zc_ze_z$
$x_4y_4r_4d_4 = a_1b_1c_1e_1 + a_2b_2c_2e_2 + a_3b_3c_3e_3 + a_zb_zc_ze_z$
$x_5y_5r_5d_5 = a_1b_1c_1e_1 + a_2b_2c_2e_2 + a_3b_3c_3e_3 + a_zb_zc_ze_z$

(1) Main function quantitative model exploring qualitative equilibrium points with simultaneous integration of two models.

(2) Subfunction quantitative model exploring qualitative equilibrium points with simultaneous integration of two models.

(4) Use of a multi-dimensional equation of mathematical programing combined with a subfunction multi-dimensional equation. Use of computer science and mathematical programming methods, to model situational behaviors or patterns between two models.

(5) The model accounts for unknown and additional variables with data stored in corresponding variables of two simultaneous models.

(6) Derived meaning and understanding from the combined models can be exhibited.

(7) Structuring data or information in this manner can elicit greater clarity as the model brings one towards equilibrium of both models simultaneously.

Equilibrium Research | Simultaneous Models Data

Unstructured Data |
L Y I P T R E B M D K P
W A W E F Y B C X G Q
O P C S R T N W C T X

Equilibrium Points found within the simultaneous unstructured data to elicit the data to be structured |

Data Bank from simultaneous models data|
L A E W O X
P R C N I V

A structured simultaneous function as it relates to the corresponding focus on equilibrium points within the simultaneous structured data from the data bank |

$z = x_1y_1r_1d_1 + x_2y_2r_2d_2 + x_3y_3r_3d_3 + x_4y_4r_4d_4 + x_5y_5r_5d_5 + x_6y_6r_6d_6 + x_7y_7r_7d_7 + x_8y_8r_8d_8 + x_9y_9r_9d_9 + x_{10}y_{10}r_{10}d_{10} + x_{11}y_{11}r_{11}d_{11} + x_{12}y_{12}r_{12}d_{12} + x_zy_zr_zd_z$

$x_1y_1r_1d_1 = a_1b_1c_1e_1 + a_2b_2c_2e_2 + a_3b_3c_3e_3 + a_zb_zc_ze_z$
$x_2y_2r_2d_2 = a_1b_1c_1e_1 + a_2b_2c_2e_2 + a_3b_3c_3e_3 + a_zb_zc_ze_z$
$x_3y_3r_3d_3 = a_1b_1c_1e_1 + a_2b_2c_2e_2 + a_3b_3c_3e_3 + a_zb_zc_ze_z$
$x_4y_4r_4d_4 = a_1b_1c_1e_1 + a_2b_2c_2e_2 + a_3b_3c_3e_3 + a_zb_zc_ze_z$
$x_5y_5r_5d_5 = a_1b_1c_1e_1 + a_2b_2c_2e_2 + a_3b_3c_3e_3 + a_zb_zc_ze_z$
$x_6y_6r_6d_6 = a_1b_1c_1e_1 + a_2b_2c_2e_2 + a_3b_3c_3e_3 + a_zb_zc_ze_z$
$x_7y_7r_7d_7 = a_1b_1c_1e_1 + a_2b_2c_2e_2 + a_3b_3c_3e_3 + a_zb_zc_ze_z$
$x_8y_8r_8d_8 = a_1b_1c_1e_1 + a_2b_2c_2e_2 + a_3b_3c_3e_3 + a_zb_zc_ze_z$
$x_9y_9r_9d_9 = a_1b_1c_1e_1 + a_2b_2c_2e_2 + a_3b_3c_3e_3 + a_zb_zc_ze_z$
$x_{10}y_{10}r_{10}d_{10} = a_1b_1c_1e_1 + a_2b_2c_2e_2 + a_3b_3c_3e_3 + a_zb_zc_ze_z$
$x_{11}y_{11}r_{11}d_{11} = a_1b_1c_1e_1 + a_2b_2c_2e_2 + a_3b_3c_3e_3 + a_zb_zc_ze_z$
$x_{12}y_{12}r_{12}d_{12} = a_1b_1c_1e_1 + a_2b_2c_2e_2 + a_3b_3c_3e_3 + a_zb_zc_ze_z$

Main Function |

$z = L_1y_1L_1d_1 + A_2y_2A_2d_2 + E_3y_3E_3d_3 + W_4y_4r_4d_4 + O_5y_5O_5d_5 + x_6y_6X_6d_6 + P_7y_7r_7d_7 +$
$R_8y_8R_8d_8 + C_9y_9r_9d_9 + N_{10}y_{10}N_{10}d_{10} + x_{11}y_{11}I_{11}d_{11} + V_{12}y_{12}V_{12}d_{12} + x_zy_zr_zd_z$

Subfunction |

$L_1y_1L_1d_1 = a_1b_1c_1e_1 + a_2b_2c_2e_2 + a_3b_3c_3e_3 + a_zb_zc_ze_z$
$A_2y_2A_2d_2 = a_1b_1c_1e_1 + a_2b_2c_2e_2 + a_3b_3c_3e_3 + a_zb_zc_ze_z$
$E_3y_3E_3d_3 = a_1b_1c_1e_1 + a_2b_2c_2e_2 + a_3b_3c_3e_3 + a_zb_zc_ze_z$
$W_4y_4r_4d_4 = a_1b_1c_1e_1 + a_2b_2c_2e_2 + a_3b_3c_3e_3 + a_zb_zc_ze_z$
$O_5y_5O_5d_5 = a_1b_1c_1e_1 + a_2b_2c_2e_2 + a_3b_3c_3e_3 + a_zb_zc_ze_z$
$x_6y_6X_6d_6 = a_1b_1c_1e_1 + a_2b_2c_2e_2 + a_3b_3c_3e_3 + a_zb_zc_ze_z$
$P_7y_7r_7d_7 = a_1b_1c_1e_1 + a_2b_2c_2e_2 + a_3b_3c_3e_3 + a_zb_zc_ze_z$
$R_8y_8R_8d_8 = a_1b_1c_1e_1 + a_2b_2c_2e_2 + a_3b_3c_3e_3 + a_zb_zc_ze_z$
$C_9y_9r_9d_9 = a_1b_1c_1e_1 + a_2b_2c_2e_2 + a_3b_3c_3e_3 + a_zb_zc_ze_z$
$N_{10}y_{10}N_{10}d_{10} = a_1b_1c_1e_1 + a_2b_2c_2e_2 + a_3b_3c_3e_3 + a_zb_zc_ze_z$
$x_{11}y_{11}I_{11}d_{11} = a_1b_1c_1e_1 + a_2b_2c_2e_2 + a_3b_3c_3e_3 + a_zb_zc_ze_z$
$V_{12}y_{12}V_{12}d_{12} = a_1b_1c_1e_1 + a_2b_2c_2e_2 + a_3b_3c_3e_3 + a_zb_zc_ze_z$