

$$= \left\{ \begin{array}{c} \text{(Earnings89)/} \\ \text{(Wages+Salaries)} \\ \text{ratios} \end{array} \right\} * \left\{ \begin{array}{c} \text{ES202} \\ \text{Wage+Salary} \\ \text{1992} \end{array} \right\} \left\{ \begin{array}{c} \text{REIS} \\ \text{Earnings} \\ \text{1989} \end{array} \right\} = \left\{ \begin{array}{c} \text{REIS} \\ \text{Wage+Salary} \\ \text{1989} \end{array} \right\} = \left\{ \begin{array}{c} \text{REIS} \\ \text{Earnings*} \\ \text{1989} \end{array} \right\} \text{--map SIC into I-O--}$$

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Exports from Utah's Regional Economies

$$UTSales^E \left\{ \begin{array}{c} \\ \\ \\ \end{array} \right\} = \left\{ \begin{array}{c} \text{EOLI}_{82} \\ \\ \\ \end{array} \right\} \left\{ \begin{array}{c} \text{Earnings*} \\ \text{1989} \\ \\ \\ \end{array} \right\} \{U, B_1\} = \hat{Q}^* \hat{Q}^{-1} \{U, B\} p_i = \frac{X_i - E_i}{R_i} X_i = p_i p X$$

(500x500)

$$X + E_m = (1 - \hat{p}) N_R \hat{X} + (1) N_{N-r} \hat{X}$$

$$R^* = \left\{ \begin{array}{c} [C_x] \\ [V_{cx}] \\ [V_{rx}] \\ [V_x] \\ (0) \end{array} \right\} \left\{ \begin{array}{c} [R_x] \\ 0 \\ 0 \\ 0 \\ 0 \end{array} \right\} \left\{ \begin{array}{c} [I_x] \\ 0 \\ 0 \\ 0 \\ 0 \end{array} \right\} \left\{ \begin{array}{c} [F_x] \\ V_{cf} \\ V_{rf} \\ V_{if} \\ 0 \end{array} \right\} \left\{ \begin{array}{c} [E_x] \\ V_{ce} \\ V_{re} + Y_r \\ V_{ie} + Y_i \\ Y_f \end{array} \right\} \left\{ \begin{array}{c} [1] \\ 1 \\ 1 \\ 1 \\ 1 \end{array} \right\} [b_r^{II}] = [B^{II}] [a_r] b_{ci}^{II} =$$

$$E_{P_i} / R_{PC_i} \text{ if } E_{P_i} < R_{PC_i} \mathbf{G}_{PC} = \{ N_{PC} - H_{PC} \mathbf{A}_{CC} \} \mathbf{A}_{CP} = \{ \hat{p}_{CP} \} \mathbf{G}_{CP} E_{C_i} / R_{CP_i} \text{ if } E_{C_i} < R_{CP_i} \mathbf{R}_{CP} = \mathbf{G}_{CP} \mathbf{X}_{P} \mathbf{R}_{CP}$$

$$= \left\{ \begin{array}{c} \text{(Earnings89)/} \\ \text{(Wages+Salaries)} \\ \text{ratios} \end{array} \right\} * \left\{ \begin{array}{c} \text{ES202} \\ \text{Wage+Salary} \\ \text{1992} \end{array} \right\} \left\{ \begin{array}{c} \text{REIS} \\ \text{Earnings} \\ \text{1989} \end{array} \right\} = \left\{ \begin{array}{c} \text{REIS} \\ \text{Wage+Salary} \\ \text{1989} \end{array} \right\} = \left\{ \begin{array}{c} \text{REIS} \\ \text{Earnings*} \\ \text{1989} \end{array} \right\} \text{--map SIC into I-O--}$$

(500x29) (500x29) (100x29) (100x29) (800x29)

$$[a_r] = [F_x] \frac{1}{F^*} = \alpha_{cr} = \frac{V_{cr}}{R^*} = \alpha_{cf} = \frac{V_{cf}}{F^*} = \alpha_{rr} = \frac{V_{rr}}{R^*} = \alpha_{rf} = \frac{V_{rf}}{F^*} = \alpha_{ir} = \frac{V_{ir}}{R^*} = \alpha_{if} = \frac{V_{if}}{F^*} =$$

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$$[a_r] = [F_x] \frac{1}{F^*} = \alpha_{cr} = \frac{V_{cr}}{R^*} = \alpha_{cf} = \frac{V_{cf}}{F^*} = \alpha_{rr} = \frac{V_{rr}}{R^*} = \alpha_{rf} = \frac{V_{rf}}{F^*} = \alpha_{ir} = \frac{V_{ir}}{R^*} = \alpha_{if} = \frac{V_{if}}{F^*} =$$

$$-a_c \quad [-a_r] \quad [-a_i] \quad [-a_j] \quad [-a_k]^{-1} \quad \left\{ [B^{II}] \quad [b_c^{II}] \quad [b_r^{II}] \quad [b_i^{II}] \quad [b_j^{II}] \right\}$$