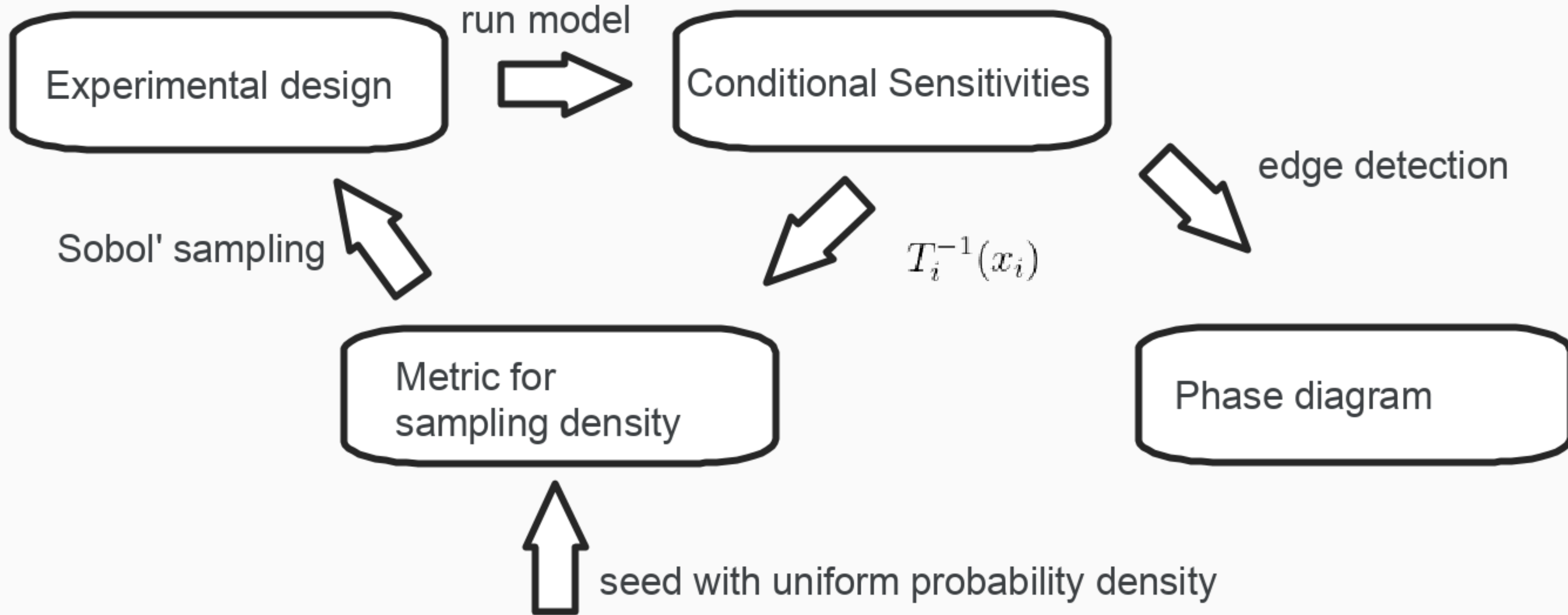


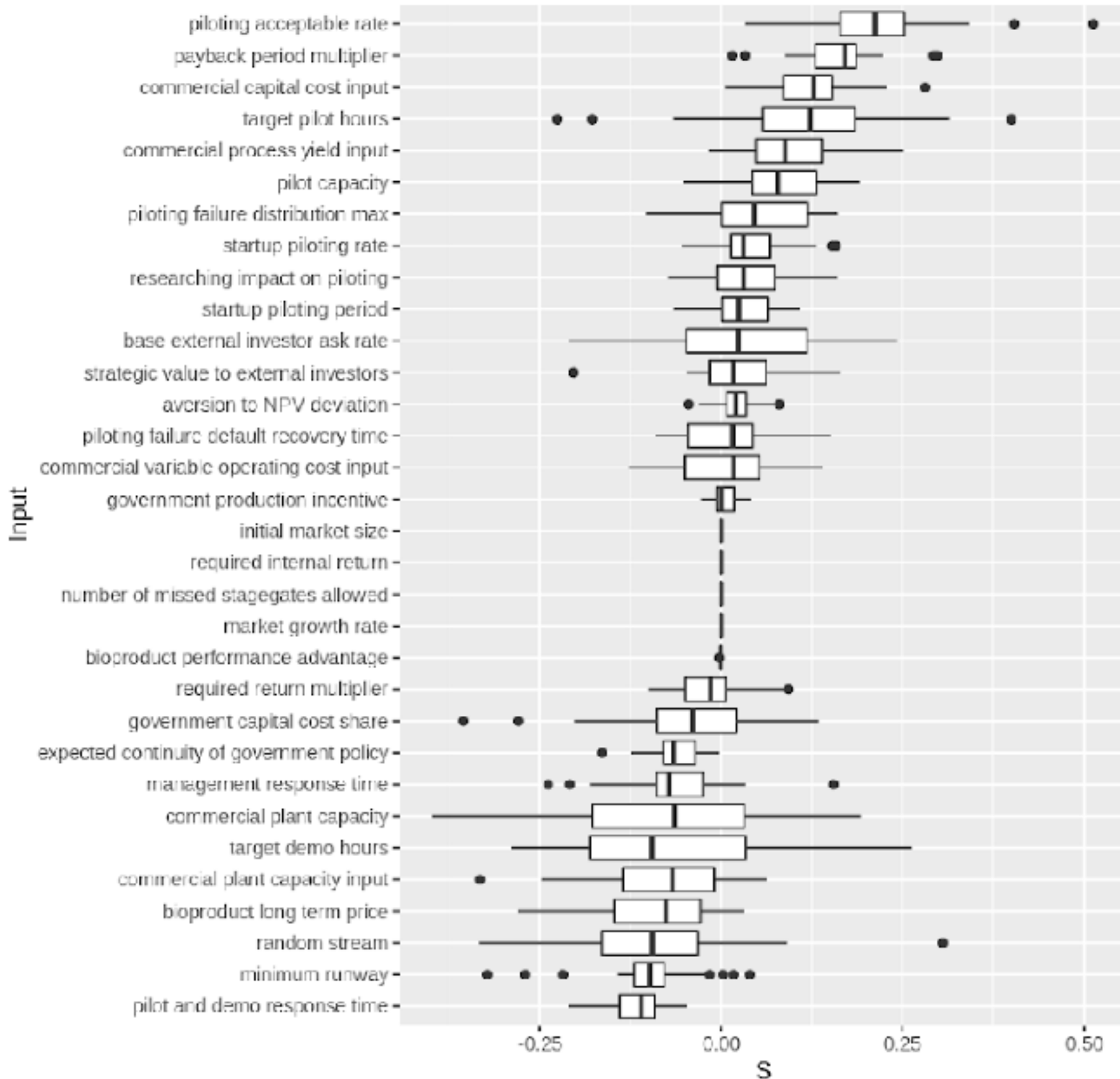
Sequential Sensitivity Analysis



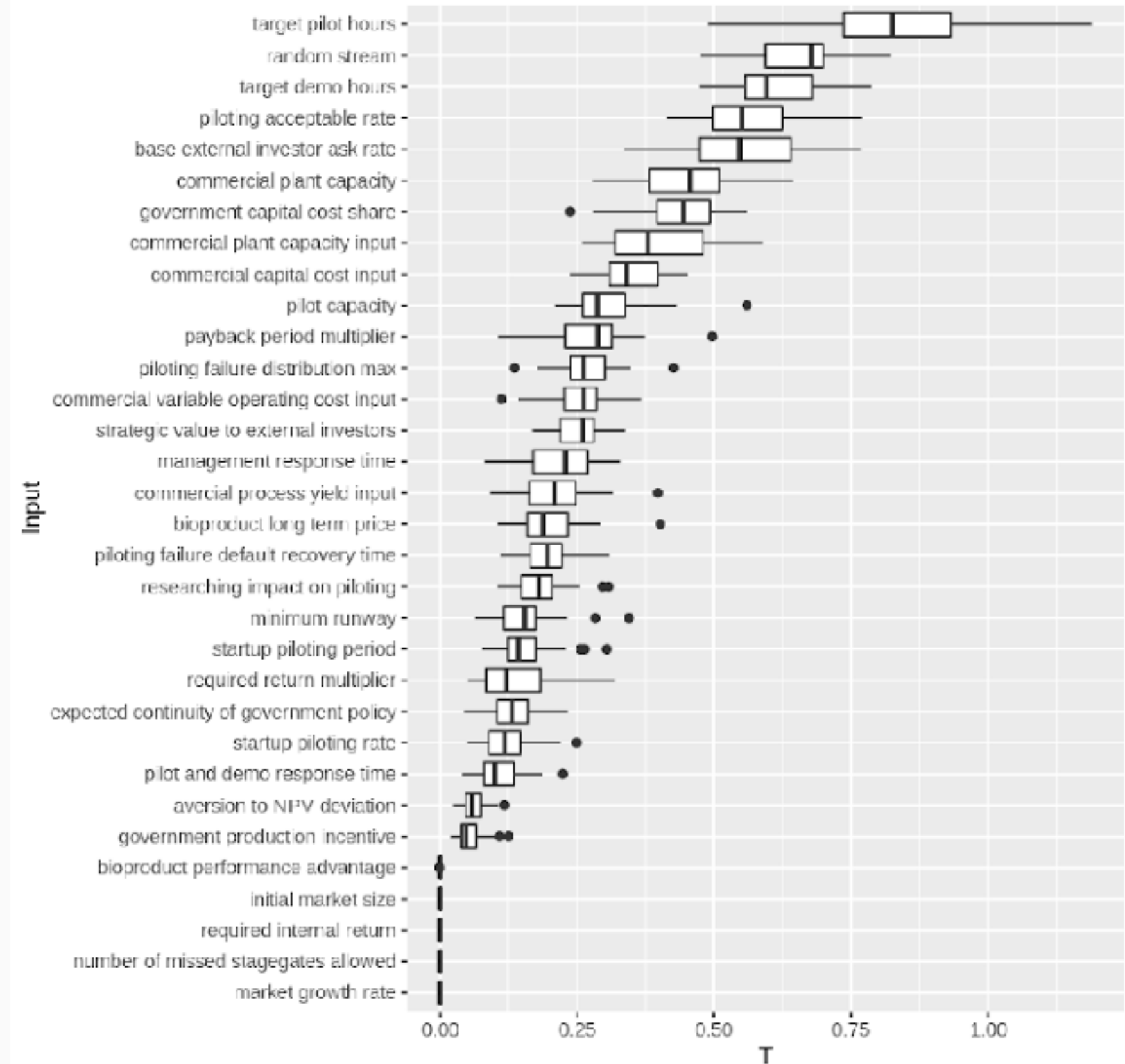
$$S_i = V_{X_i} [E_{X_{-i}} (Y|X_i)] = 1 - \frac{\sum_{j=1}^N [f(A)_j - f(B_A^{(i)})_j]^2}{\sum_{j=1}^N [f(A)_j - f(B)_j]^2}$$

$$T_i = E_{X_{-i}} [V_{X_i} (Y|X_{-i})] = \frac{\sum_{j=1}^N [f(B)_j - f(B_A^{(i)})_j]^2}{\sum_{j=1}^N [f(A)_j - f(B)_j]^2}$$

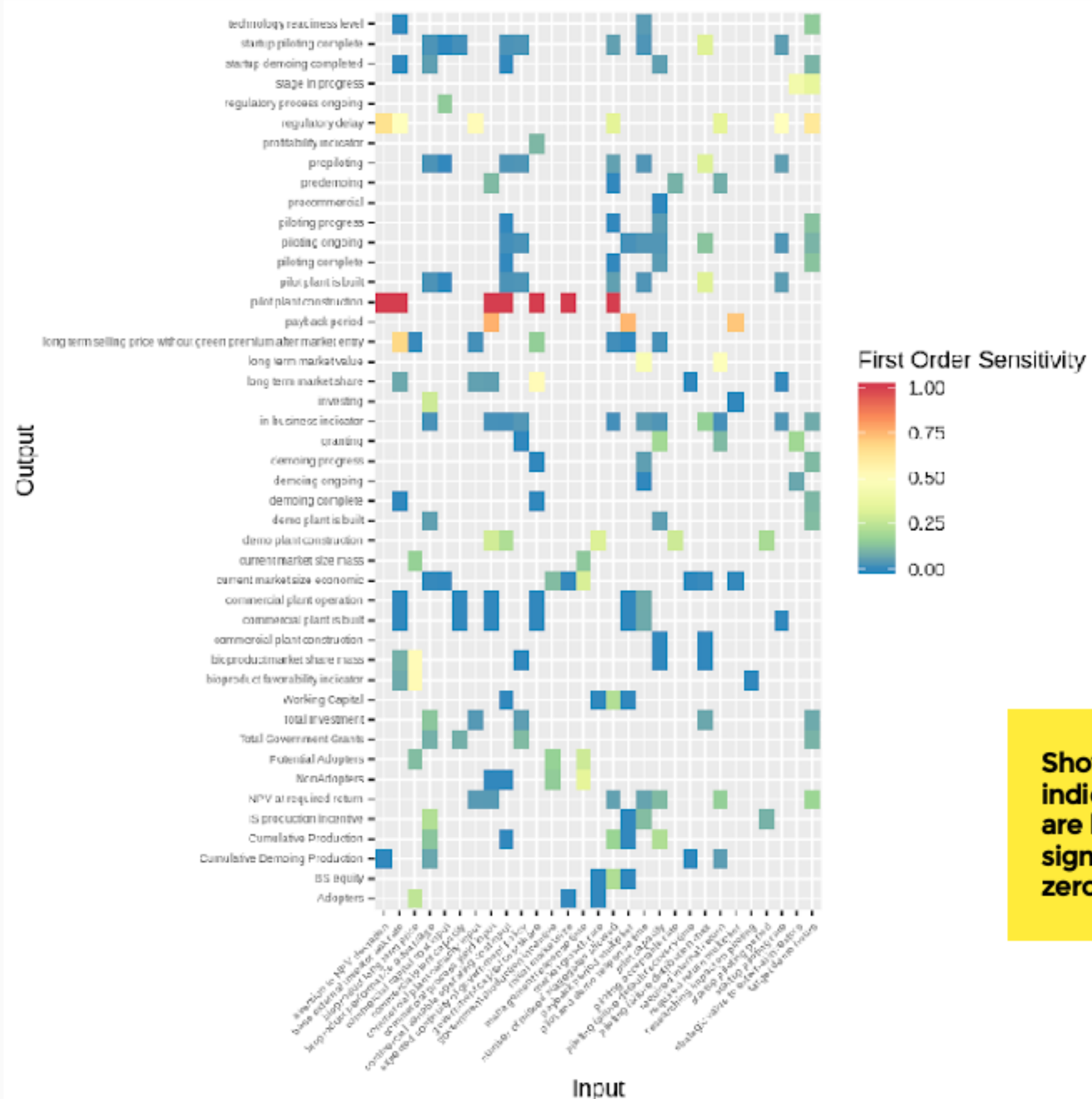
First-Order Sensitivity index for `Cumulative Production`



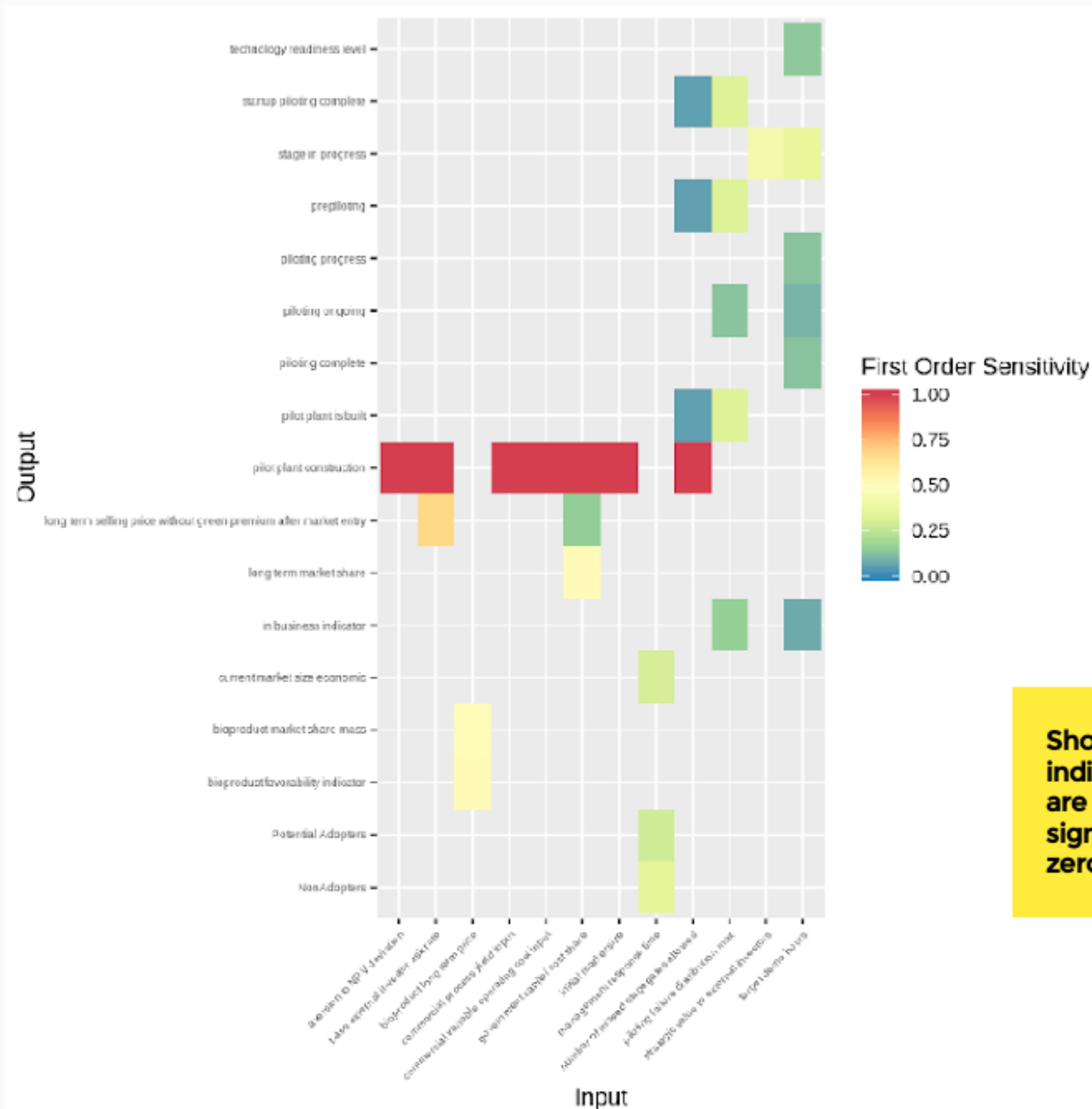
Total Sensitivity Index for `Cumulative Production`



Variance-Based Sensitivity-Analysis Results



Variance-Based Sensitivity-Analysis Results

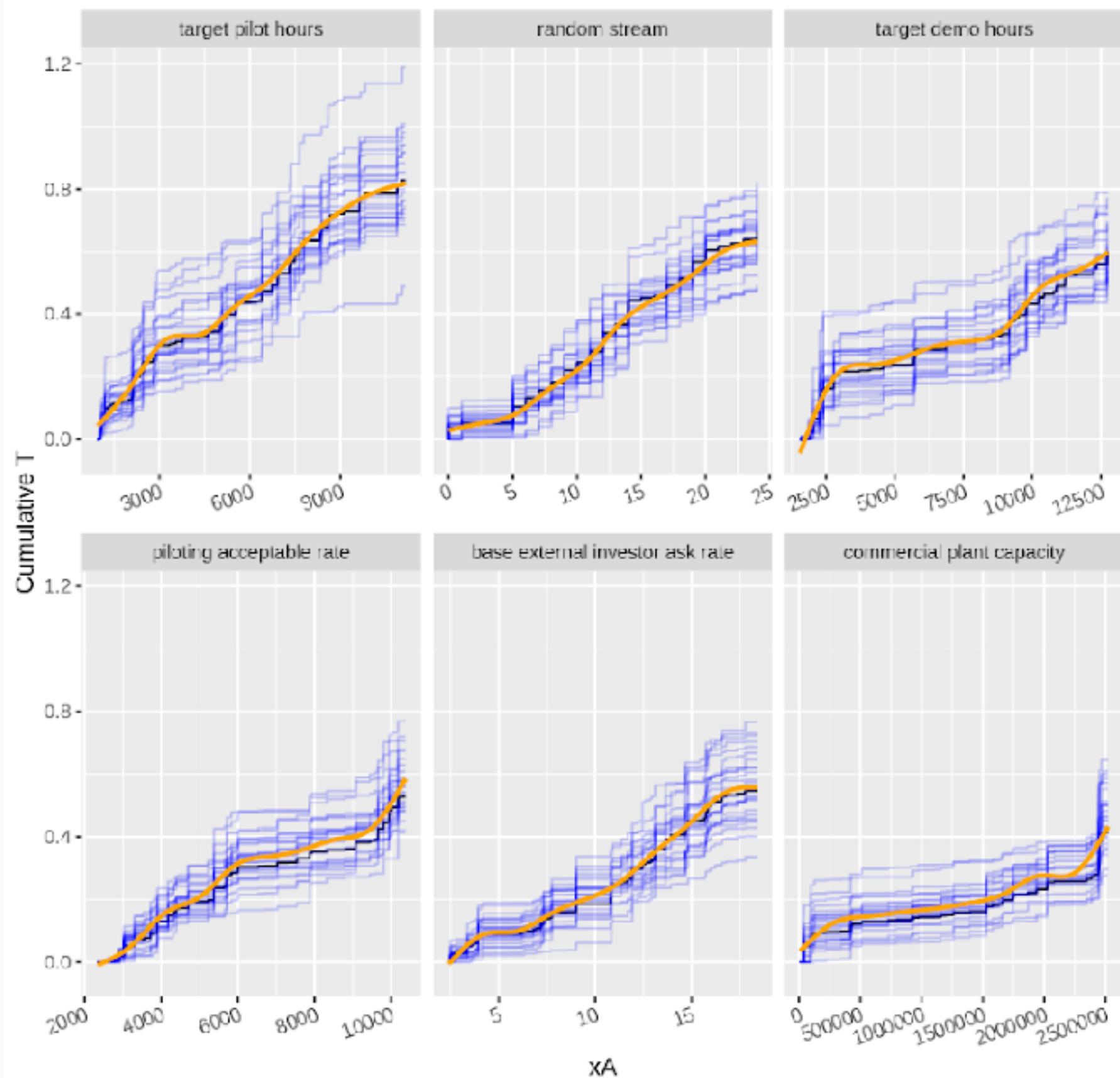


Shown are indices that are at least 4 sigma above zero.



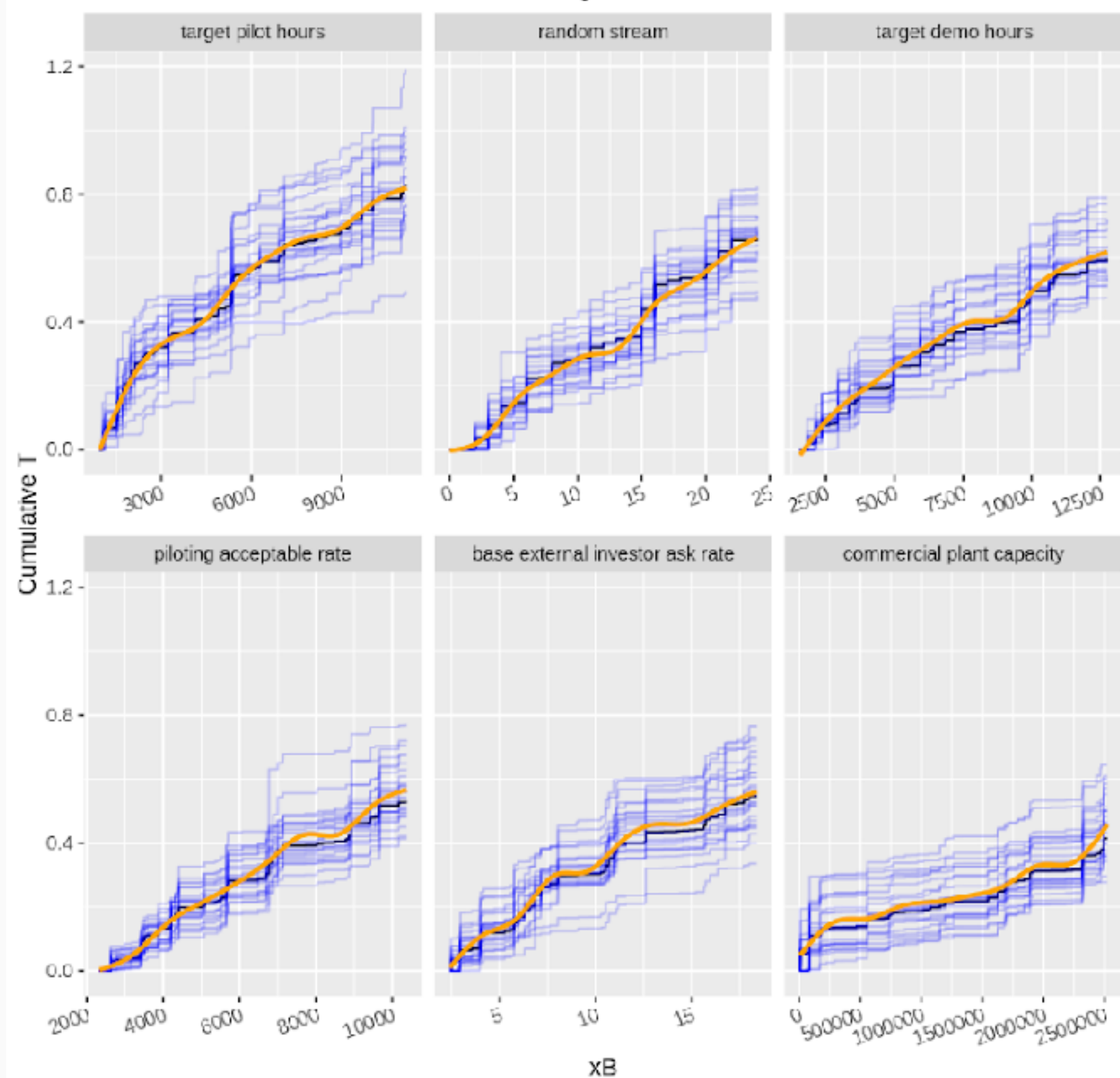
$$T_i(x) = \frac{\sum_{j=1}^N 1_{X_{A,j}^{(i)} \leq x} \cdot \left[f(B)_j - f(B_A^{(i)})_j \right]^2}{\sum_{j=1}^N [f(A)_j - f(B)_j]^2}$$

Cumulative Conditional Total Sensitivity for `Cumulative Production`

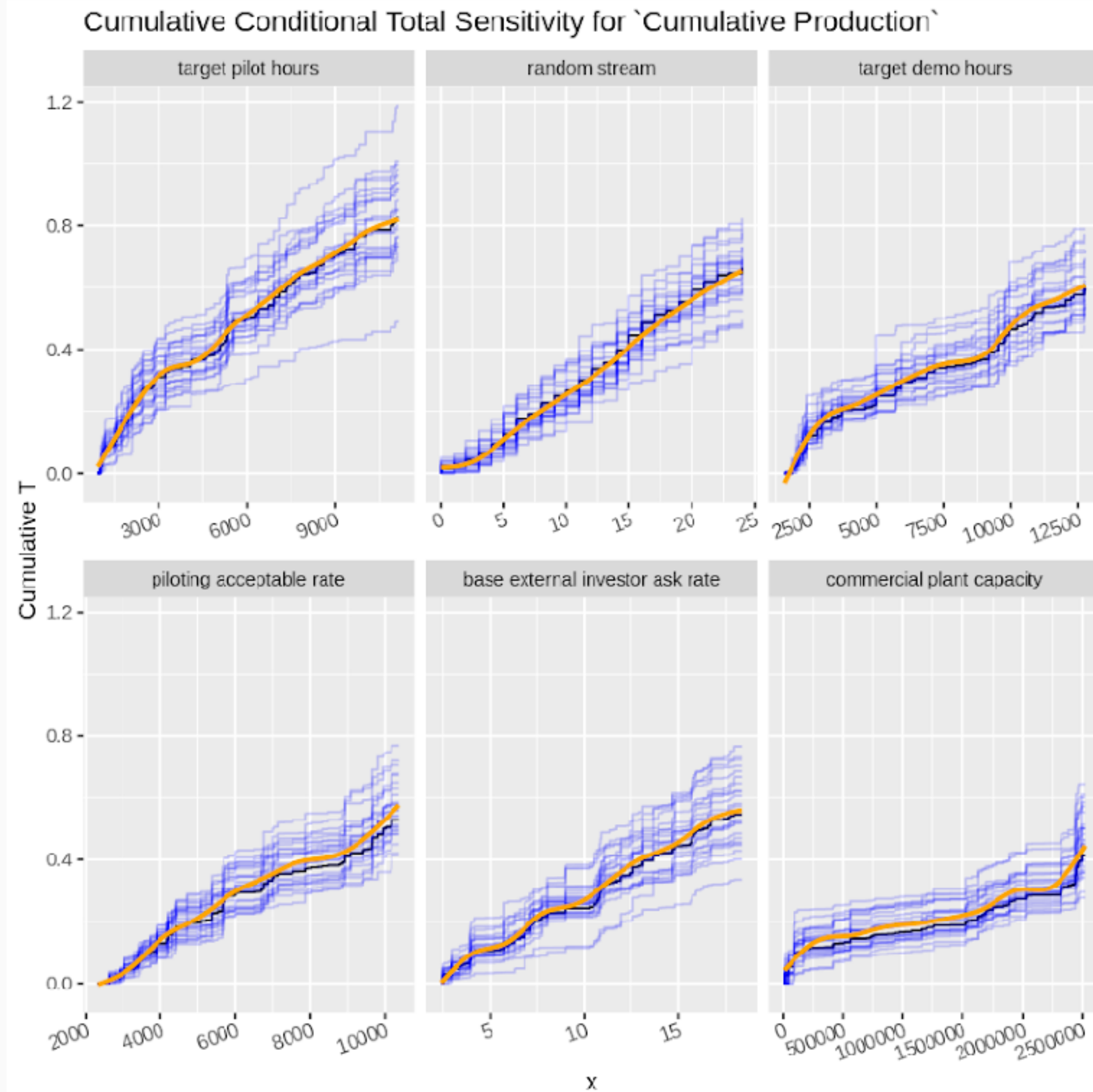


$$T_i(x) = \frac{\sum_{j=1}^N 1_{X_{B,j}^{(i)} \leq x} \cdot \left[f(B)_j - f(B_A^{(i)})_j \right]^2}{\sum_{j=1}^N [f(A)_j - f(B)_j]^2}$$

Cumulative Conditional Total Sensitivity for `Cumulative Production`



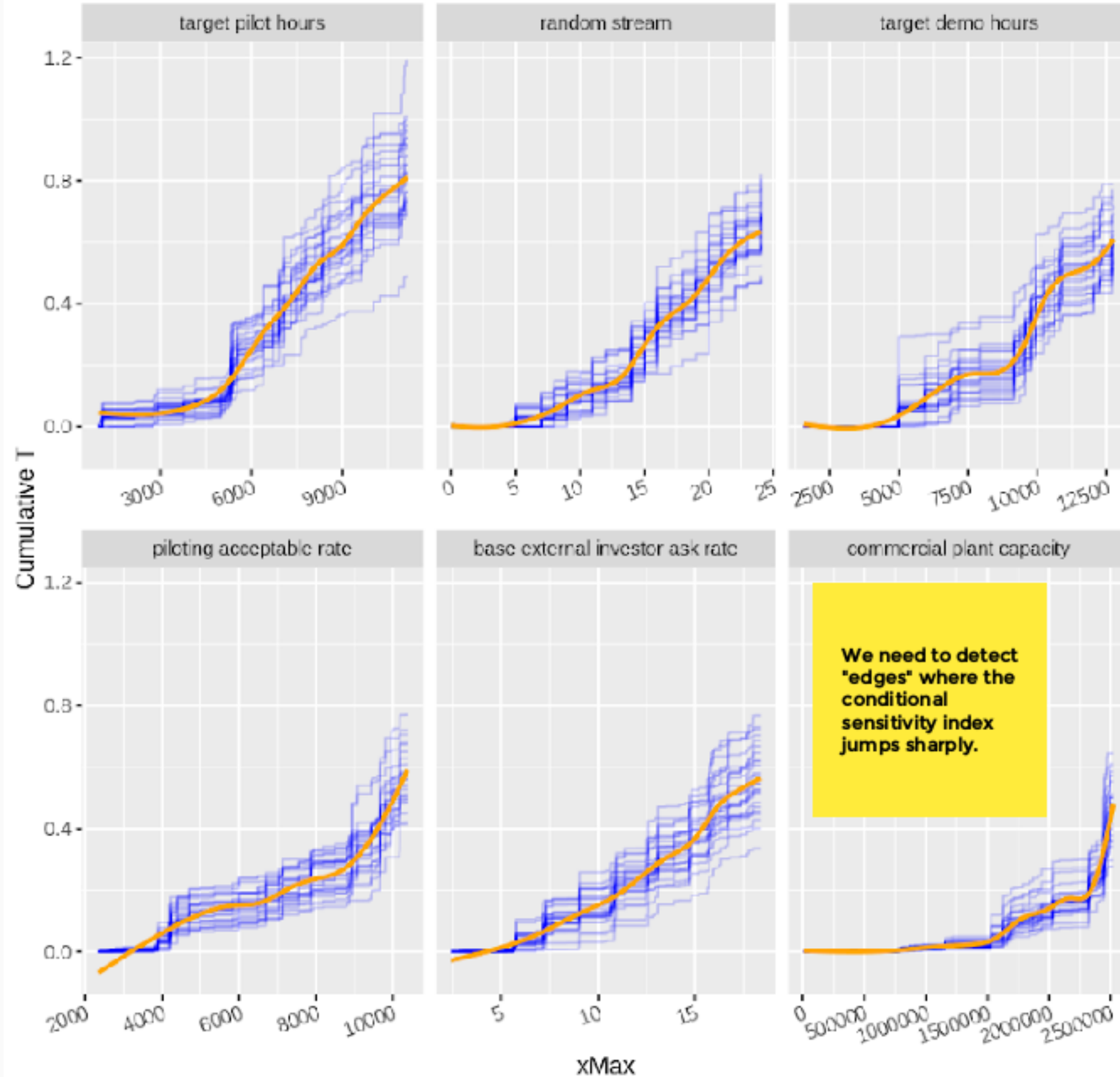
Values of `xA`
and `yA` are
interleaved.



$$T_i(x) = \frac{\sum_{j=1}^N 1_{\max(X_{A,j}^{(i)}, X_{B,j}^{(i)}) \leq x} \cdot [f(B)_j - f(B_A^{(i)})_j]^2}{\sum_{j=1}^N [f(A)_j - f(B)_j]^2}$$

$$T_i(x) = \frac{\sum_{j=1}^N 1_{\min(X_{A,j}^{(i)}, X_{B,j}^{(i)}) \geq x} \cdot [f(B)_j - f(B_A^{(i)})_j]^2}{\sum_{j=1}^N |f(A)_j - f(B)_j|^2}$$

Lower Split of Total Sensitivity for 'Cumulative Production'



Upper Split of Total Sensitivity for 'Cumulative Production'

