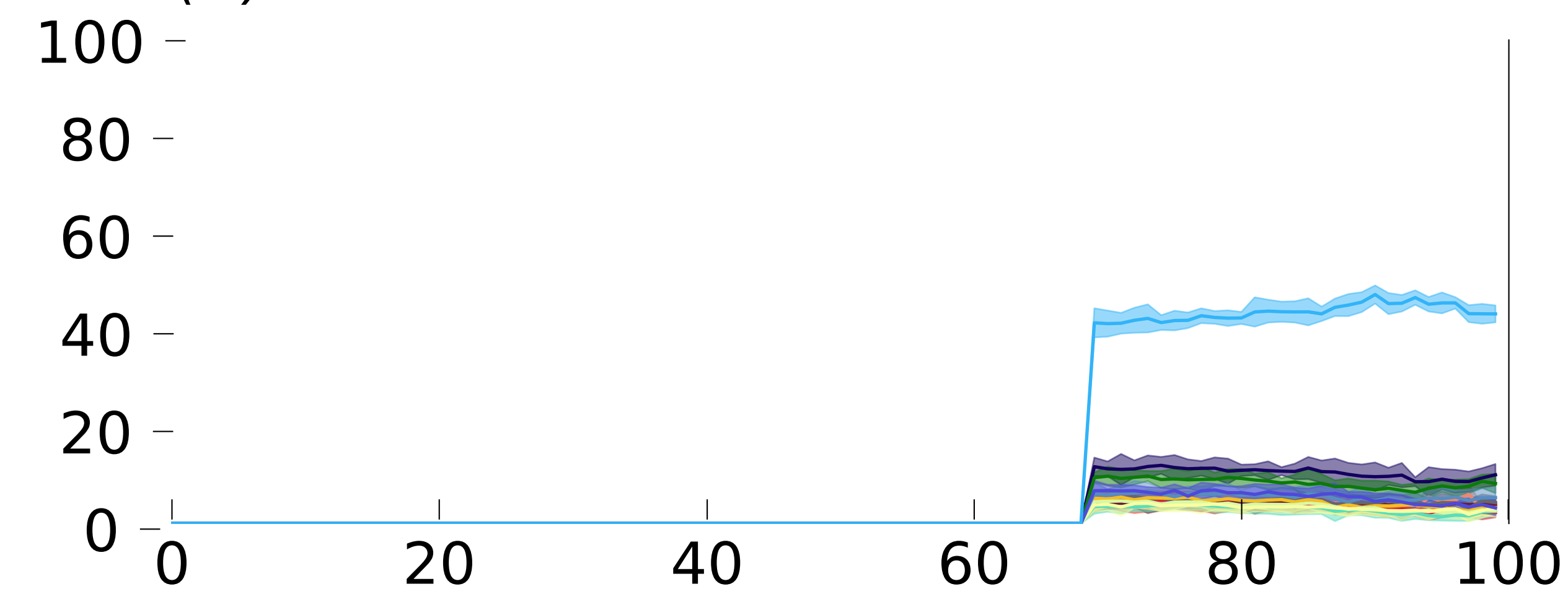


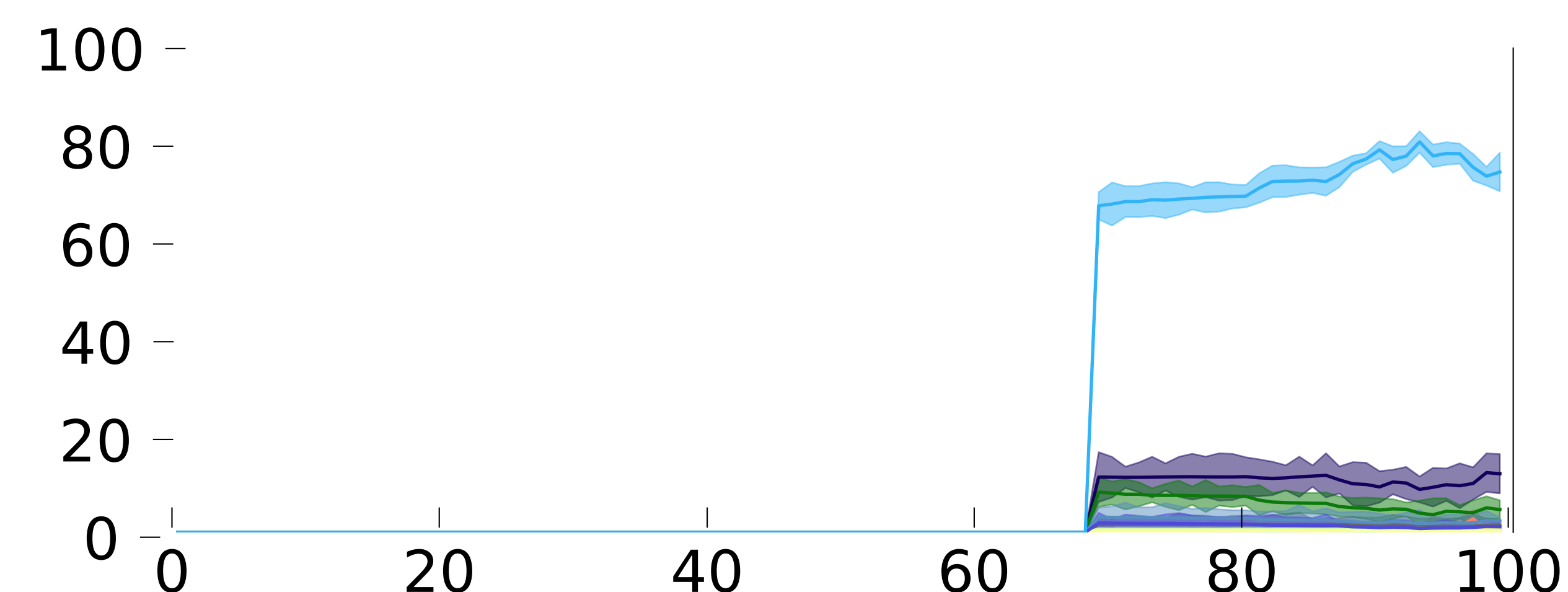
Variance explained

Senior-right irrigation user

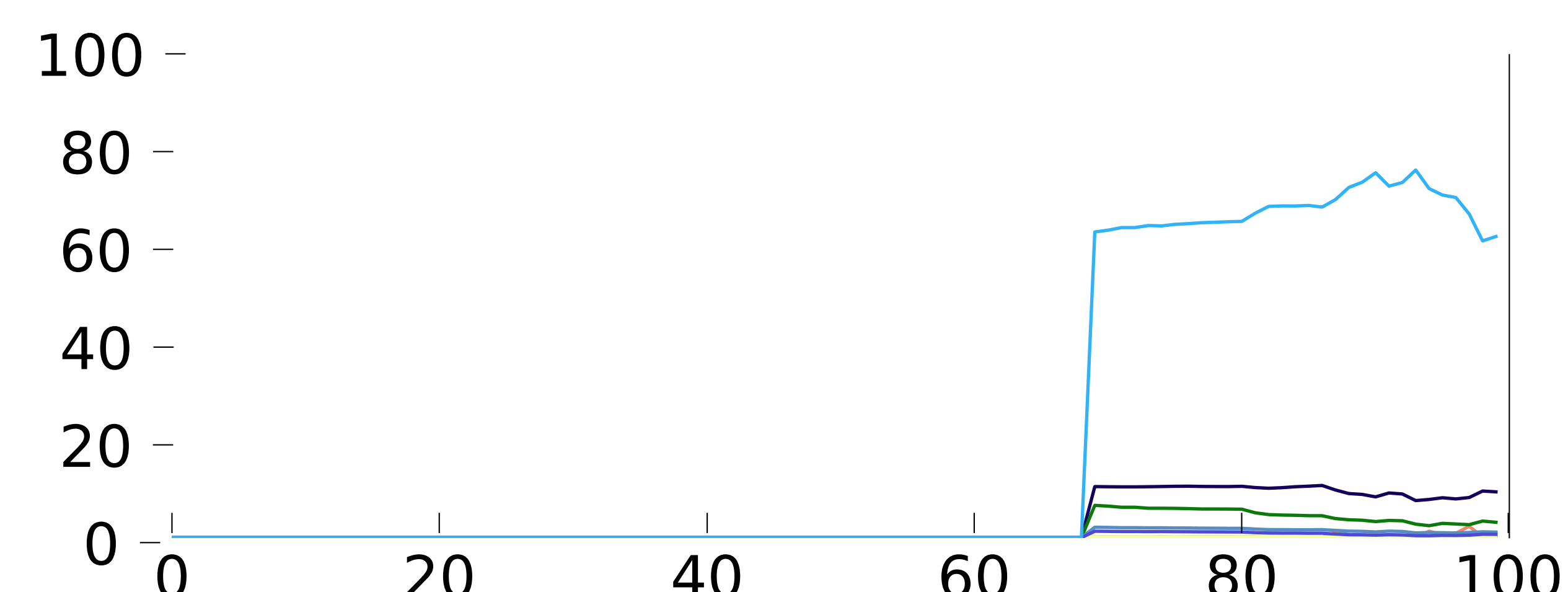
(a) *Delta indices*



(d) *1st order Sobol indices*



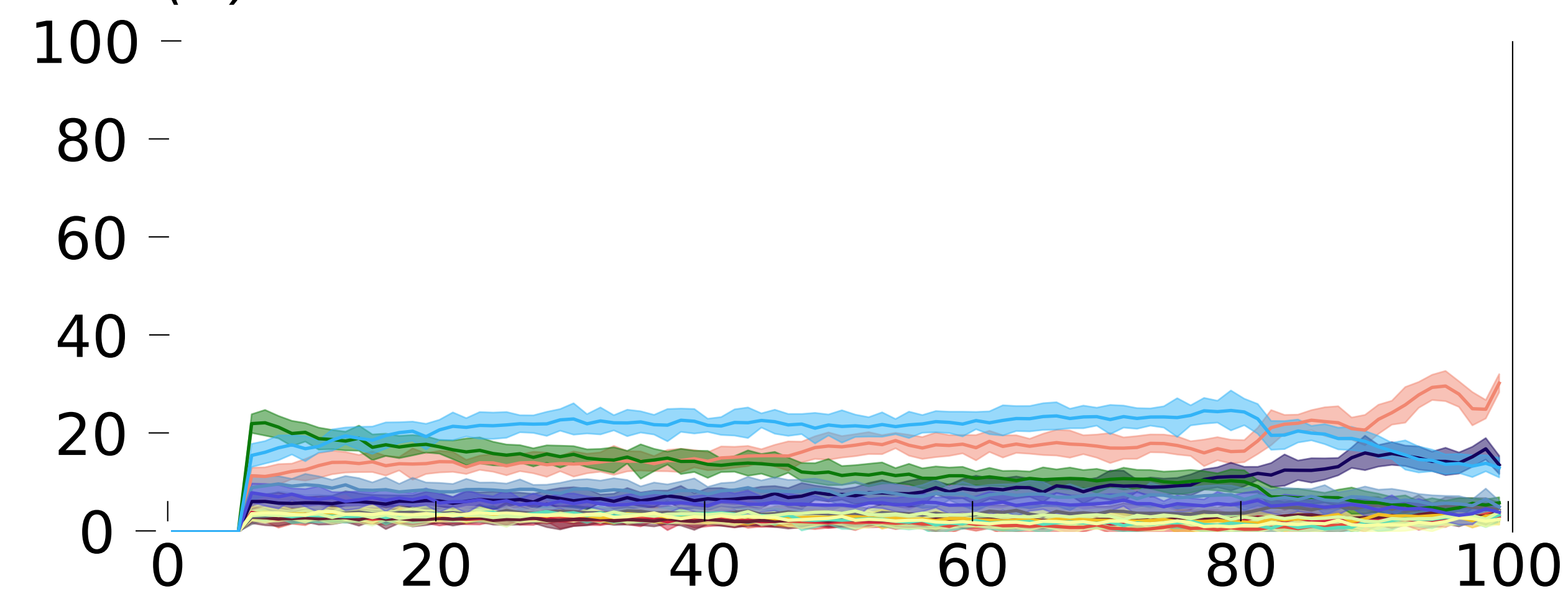
(g) *R² values*



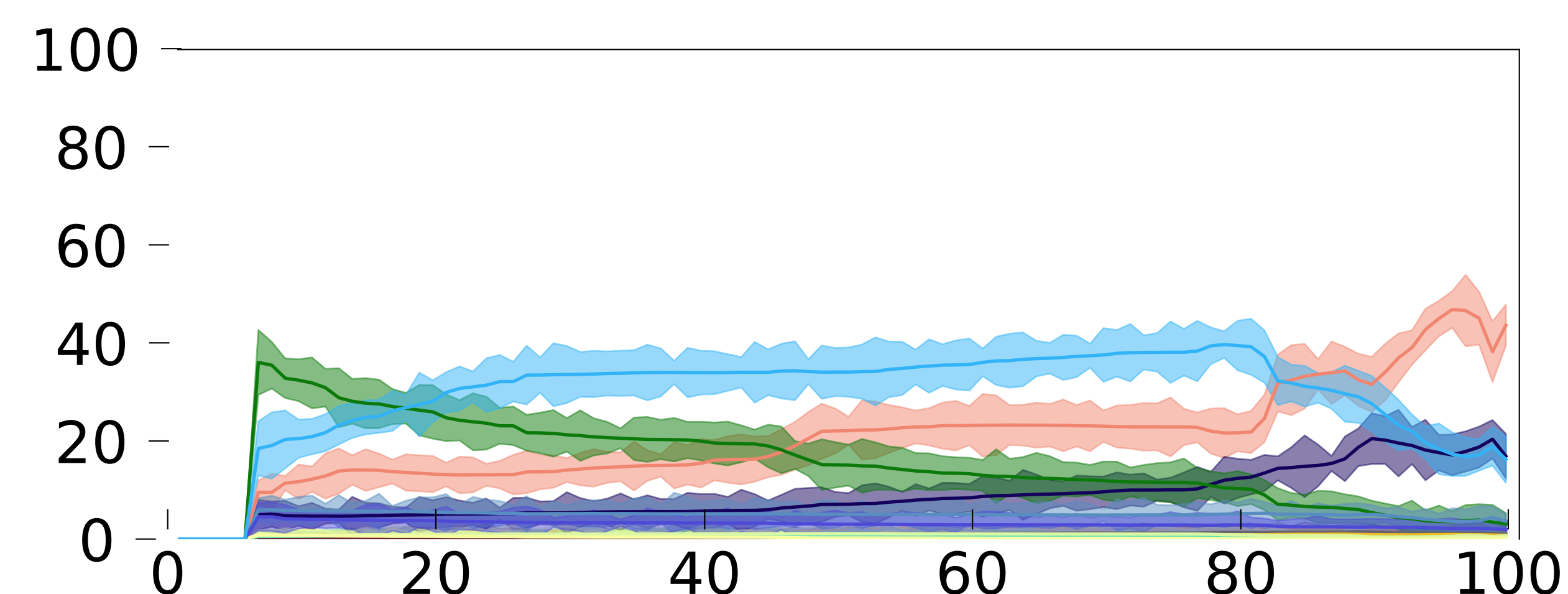
Shortage magnitude percentile

Median-right irrigation user

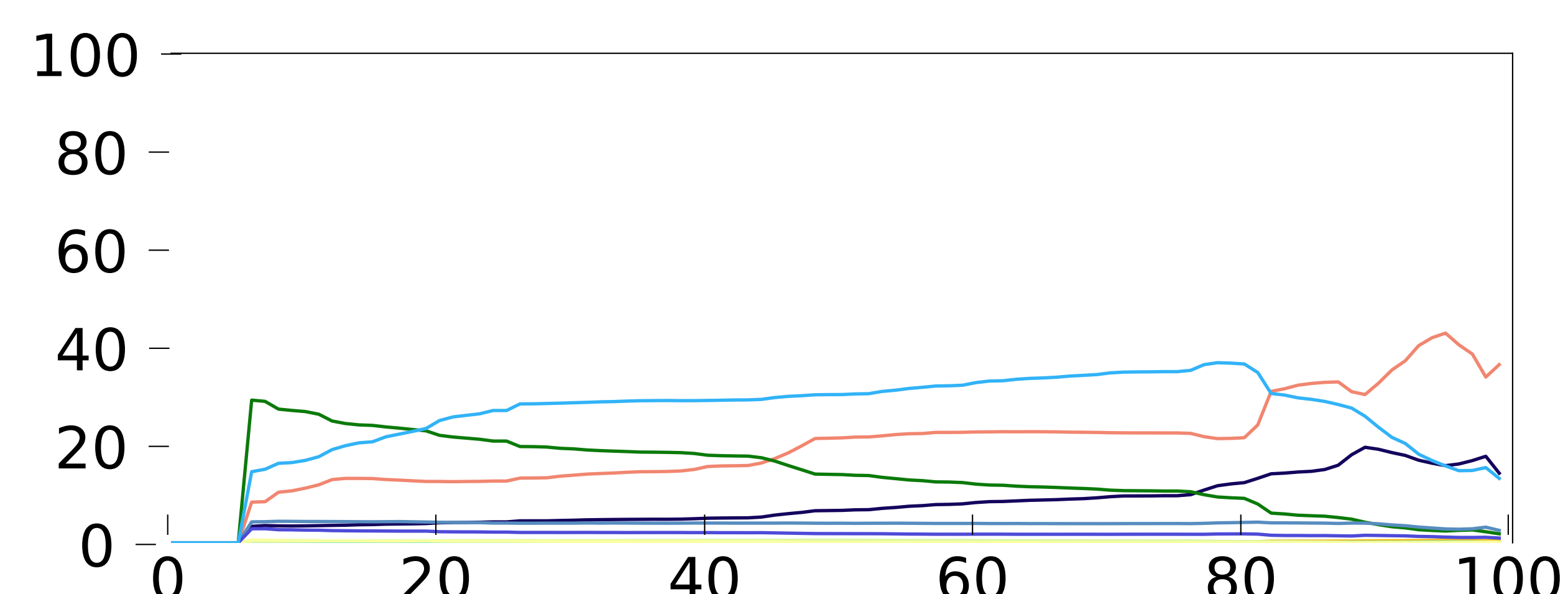
(b) *Delta indices*



(e) *1st order Sobol indices*



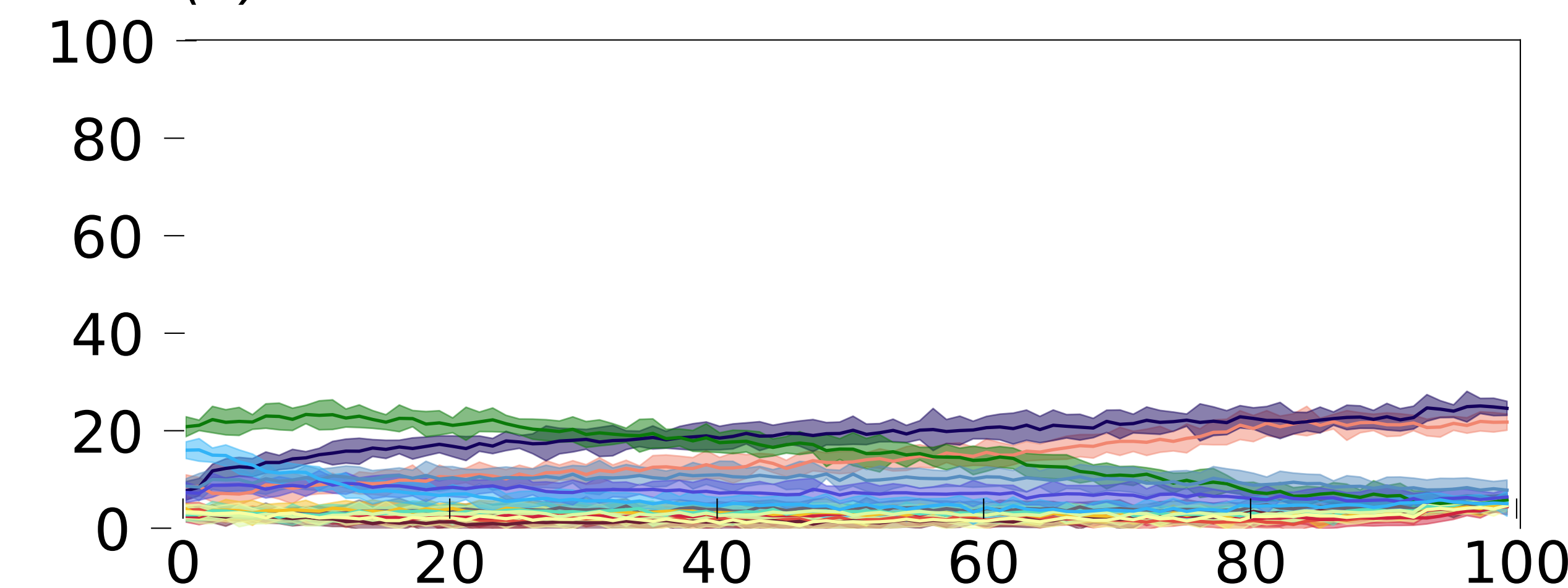
(h) *R² values*



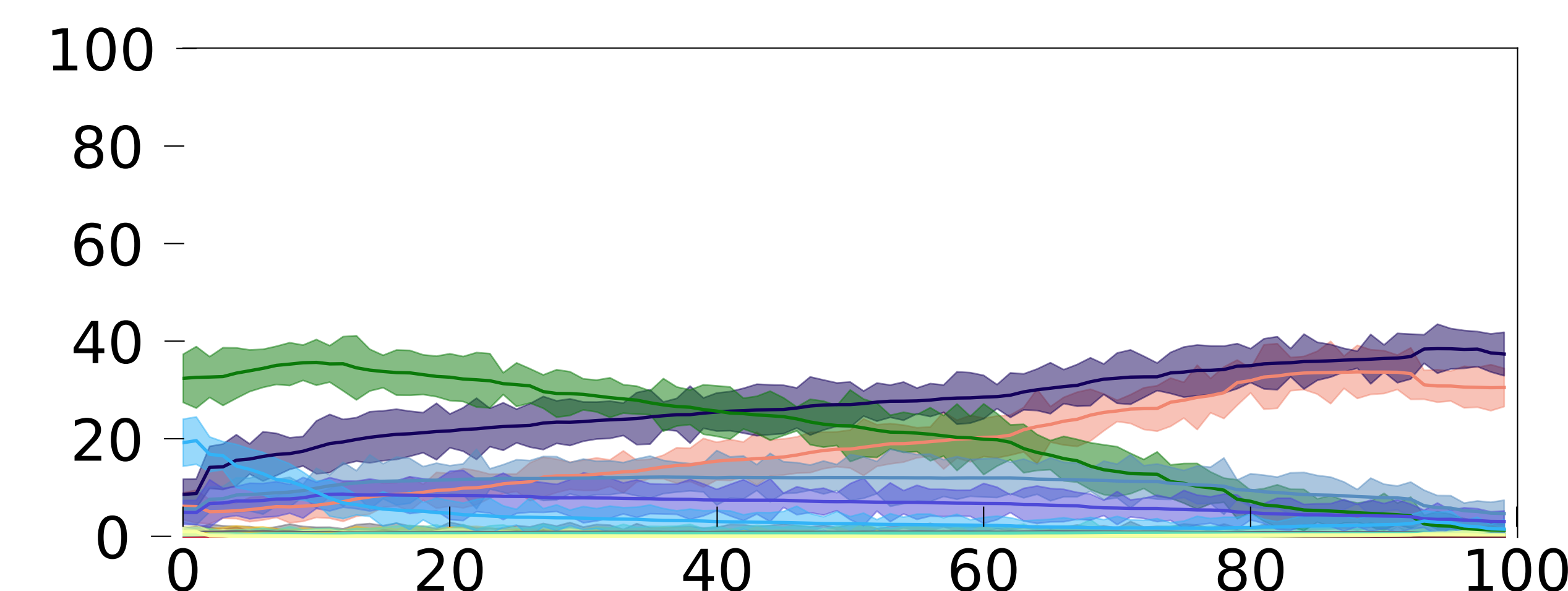
Shortage magnitude percentile

Junior-right irrigation user

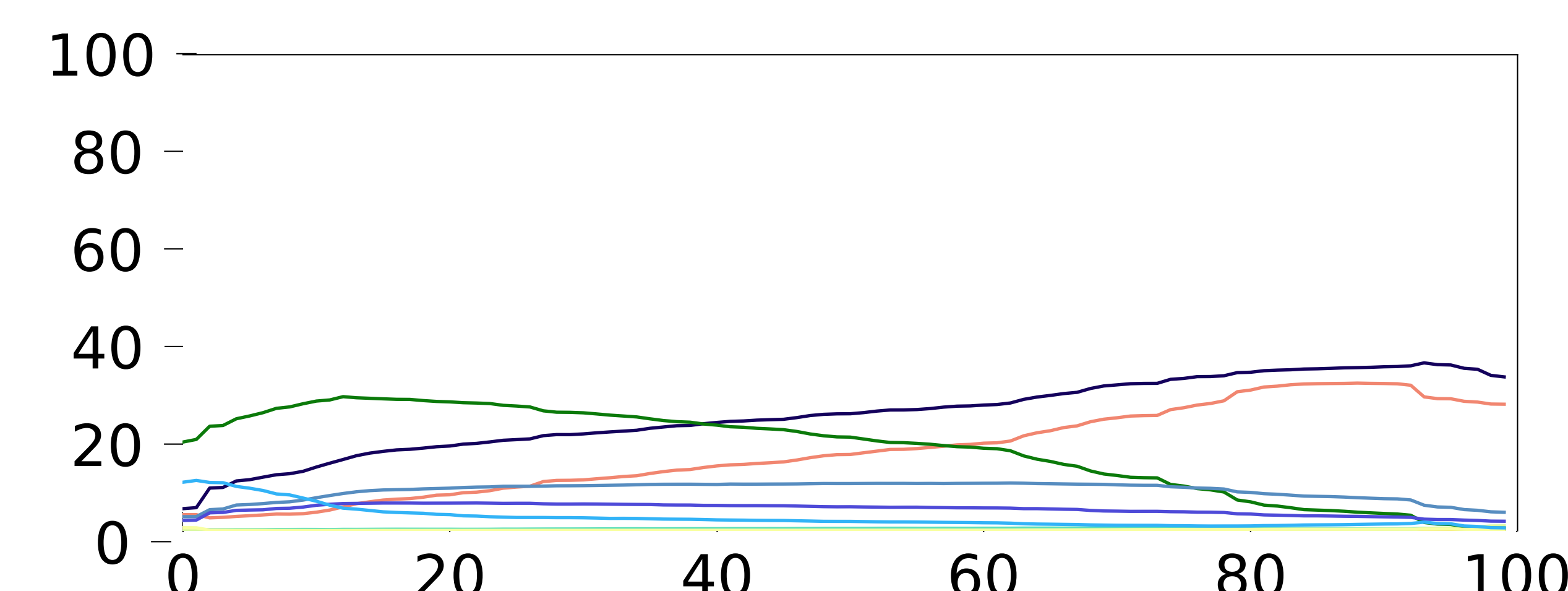
(c) *Delta indices*



(f) *1st order Sobol indices*



(i) *R² values*



Shortage magnitude percentile

Irrigation demand
Reservoir loss
Transbasin demand
M&I demand

Shoshone operational
Environmental right seniority
Evaporation
Mean dry flow

Dry flow variance
Mean wet flow
Wet flow variance
Dry flow persistence
Wet flow persistence
Snowmelt timing