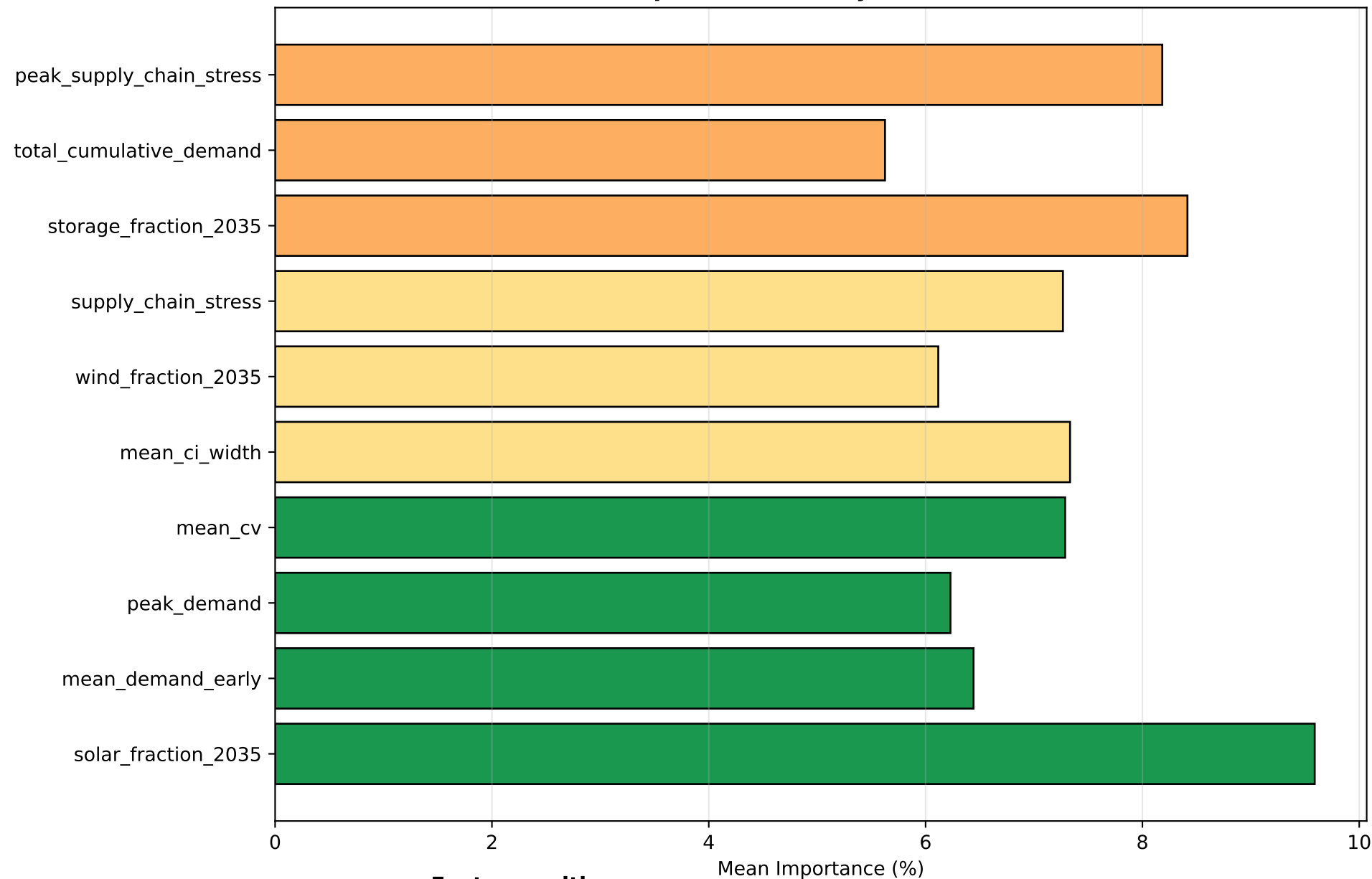
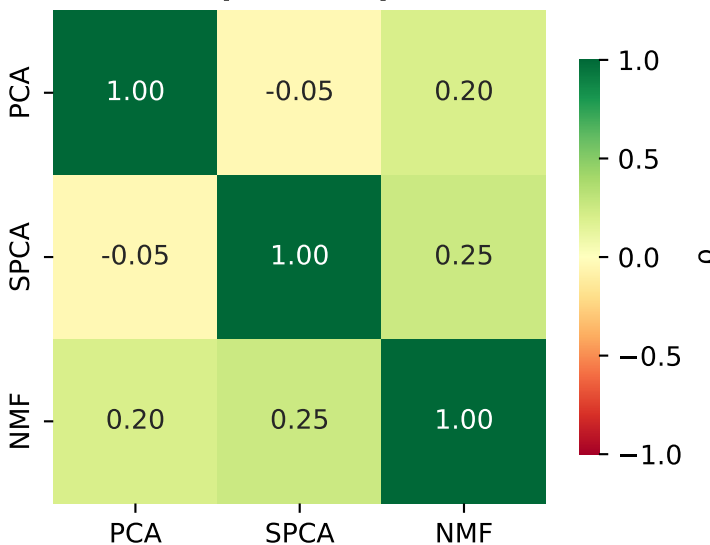


Dimensionality Reduction Summary — Scenarios

Top 10 Features by Consensus



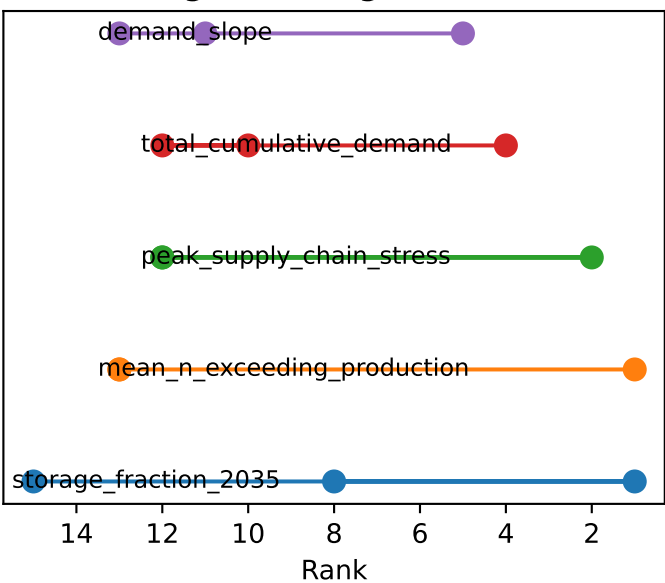
Method Agreement (Spearman ρ)



Summary Statistics

Total features: 15
Strong agreement: 2
(rank spread ≤ 3)
Top tier features: 2
(avg rank ≤ 5)
Mean correlation: 0.13

Features with Highest Disagreement



Method-Specific Top Features

PCA emphasizes: mean_demand_early, peak_demand, solar_fraction_2035
Sparse PCA selects: storage_fraction_2035, peak_supply_chain_stress, solar_fraction_2035
NMF identifies: mean_n_exceeding_production, solar_fraction_2035, mean_ci_width

Interpretation Guide:

- PCA: Features driving overall variance
- Sparse PCA: Essential features (others can be dropped)
- NMF: Features that co-occur in additive "parts"