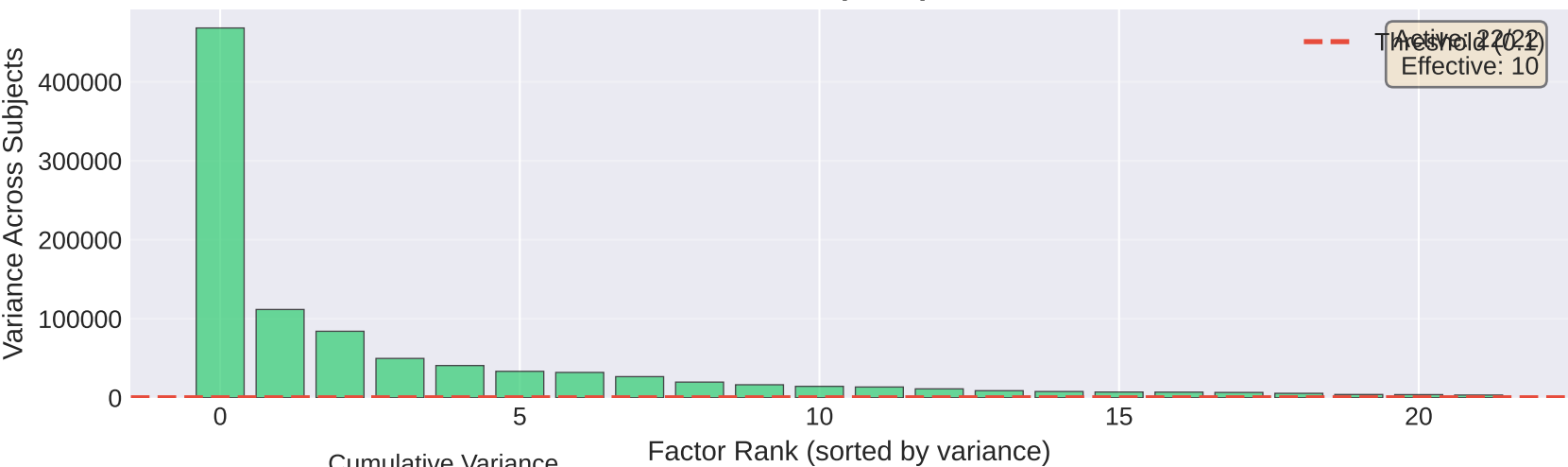
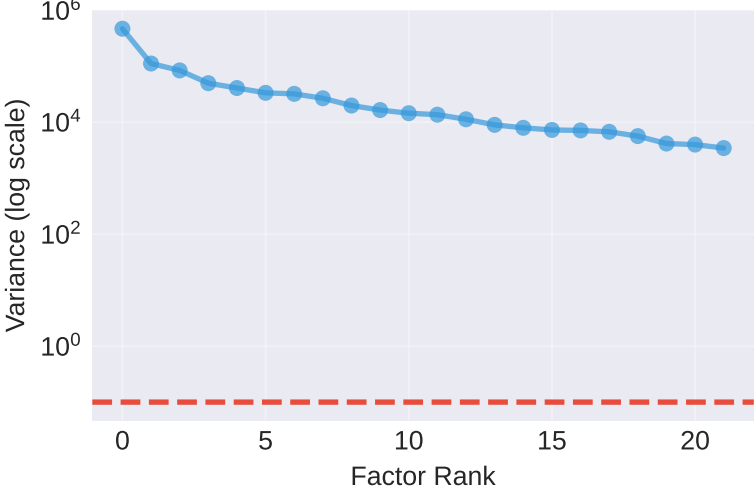


Factor Variance Analysis: ARD Shrinkage Assessment (K=22)

Factor Variance Profile (K=22): 22 Active Factors

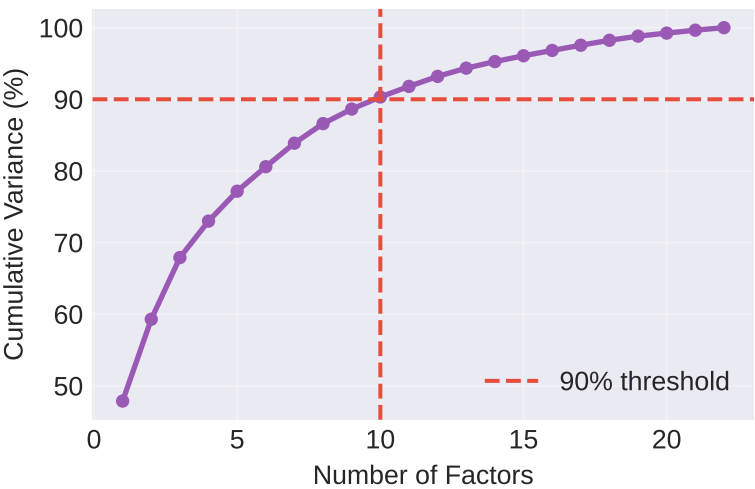


Log-Scale Variance
(Sharp drop = good ARD)

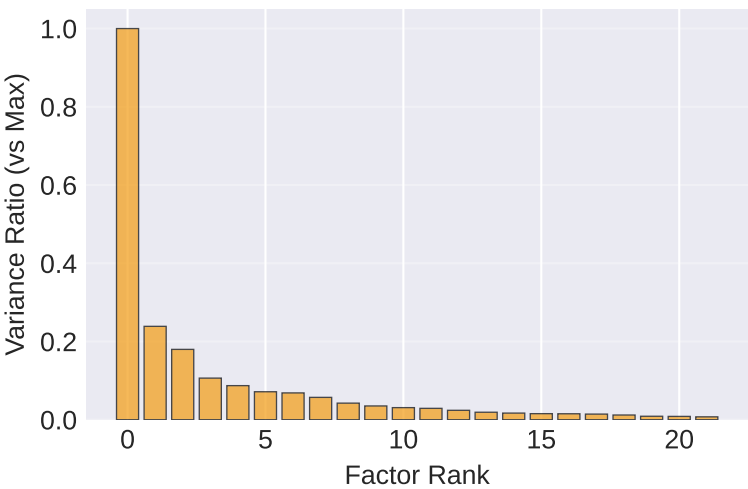


Cumulative Variance
(90% @ 10 factors)

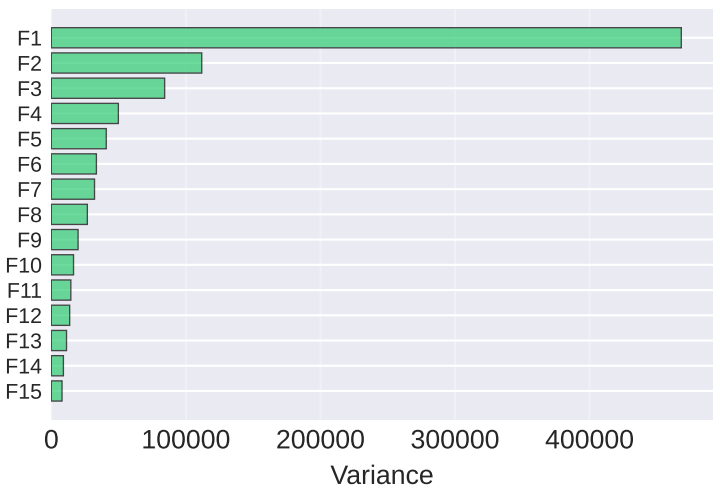
Factor Rank (sorted by variance)



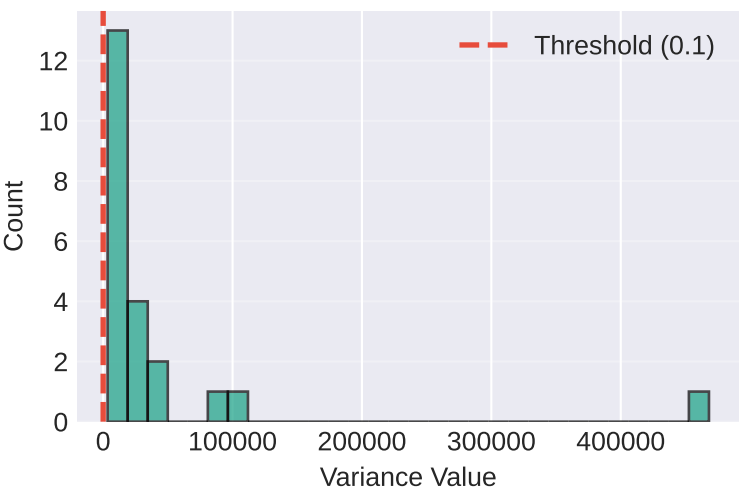
Normalized Variance Profile



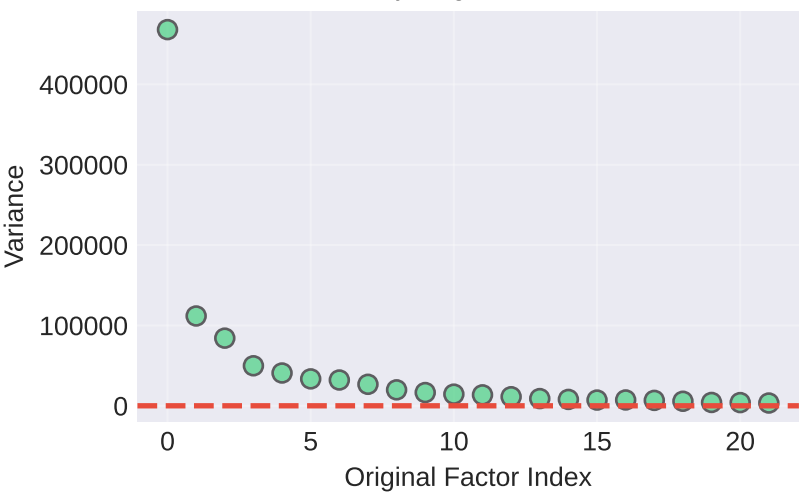
Top 15 Factors



Distribution of Factor Variances



Variance by Original Factor Order



VARIANCE PROFILE SUMMARY

Total Factors (K): 22
Active Factors: 22
Effective Dim (90%): 10

Max Variance: 468166.0312
Mean Variance: 44461.1749
Median Variance: 14057.9927

Top 3 Variances:
#1: 468166.0312
#2: 111774.6406
#3: 84198.3906

ARD Shrinkage: MODERATE ▲
Shrinkage Ratio: 8.16

INTERPRETATION:

Moderate shrinkage.
Model somewhat uncertain.
Check convergence.