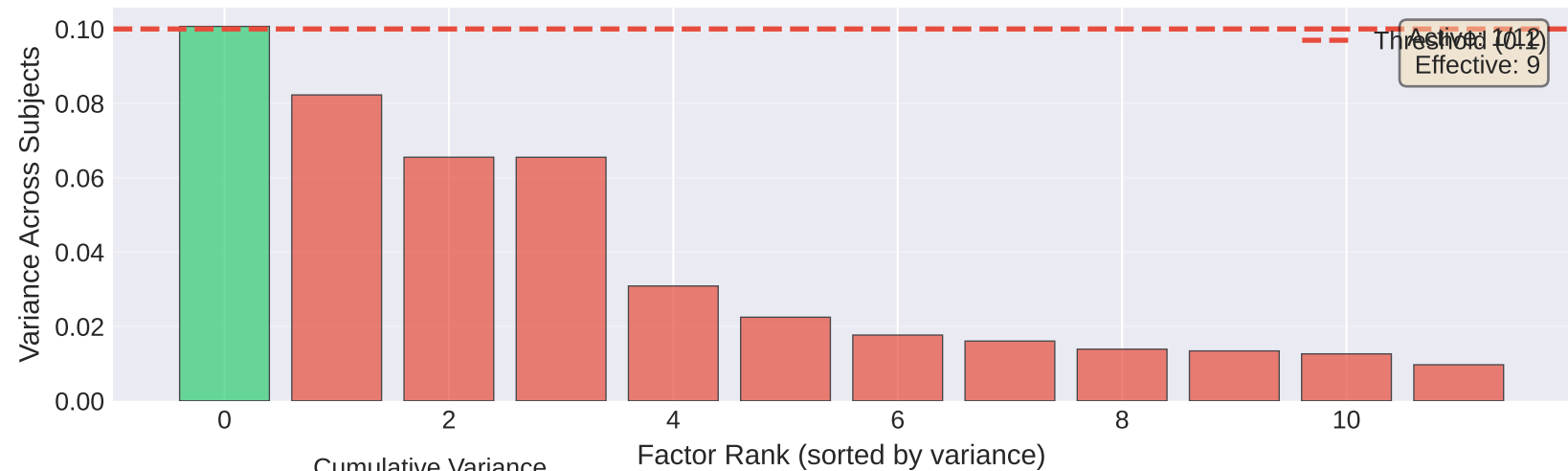
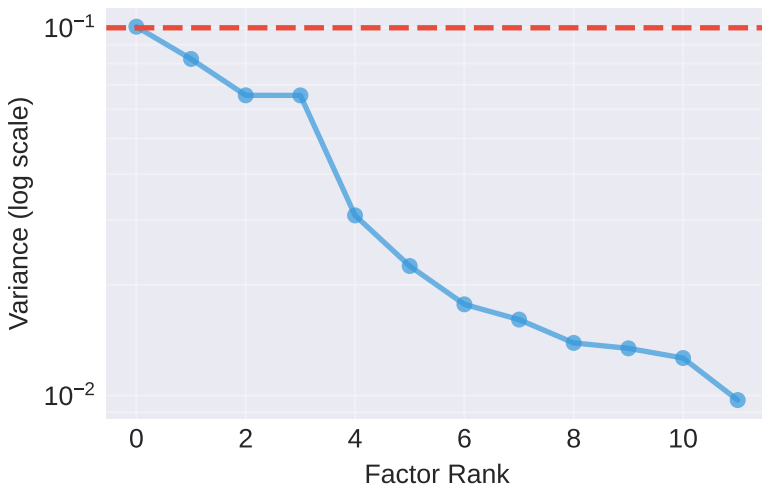


Factor Variance Analysis: ARD Shrinkage Assessment (K=12)

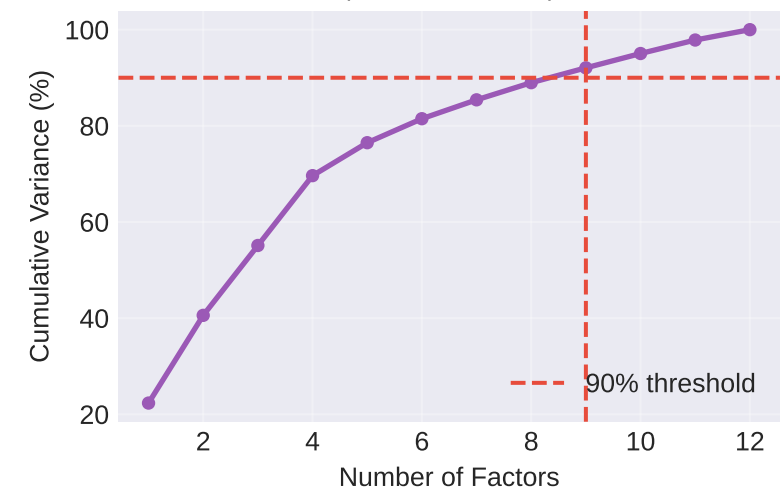
Factor Variance Profile (K=12): 1 Active Factors



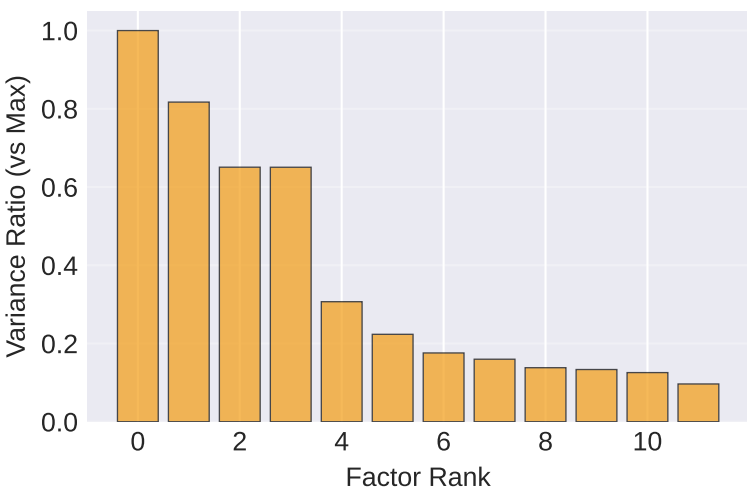
Log-Scale Variance
(Sharp drop = good ARD)



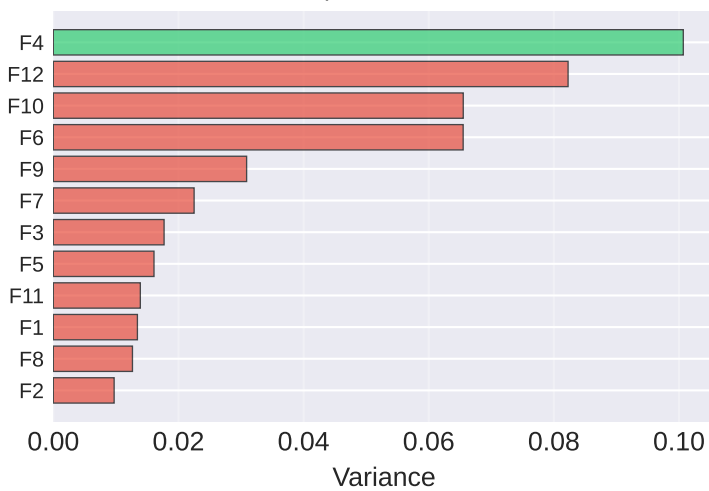
Cumulative Variance
(90% @ 9 factors)



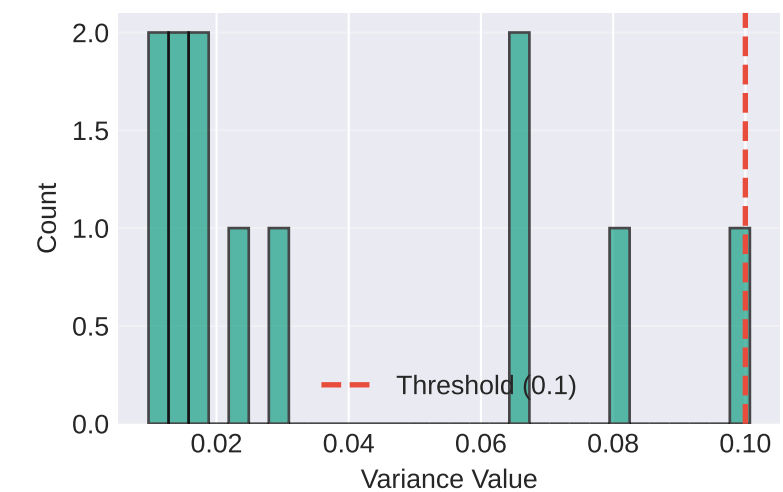
Normalized Variance Profile



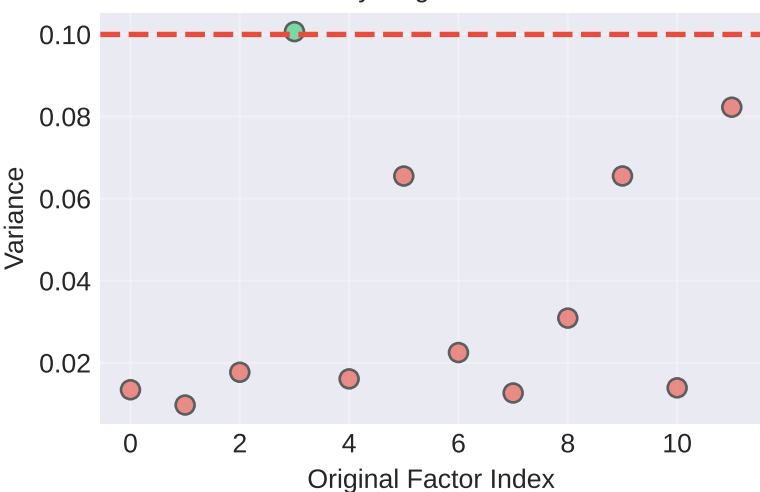
Top 12 Factors



Distribution of Factor Variances



Variance by Original Factor Order



VARIANCE PROFILE SUMMARY

Total Factors (K): 12
Active Factors: 1
Effective Dim (90%): 9

Max Variance: 0.1007
Mean Variance: 0.0376
Median Variance: 0.0201

Top 3 Variances:
#4: 0.1007
#12: 0.0823
#10: 0.0655

ARD Shrinkage: MODERATE △
Shrinkage Ratio: 4.55

INTERPRETATION:

Moderate shrinkage.
Model somewhat uncertain.
Check convergence.