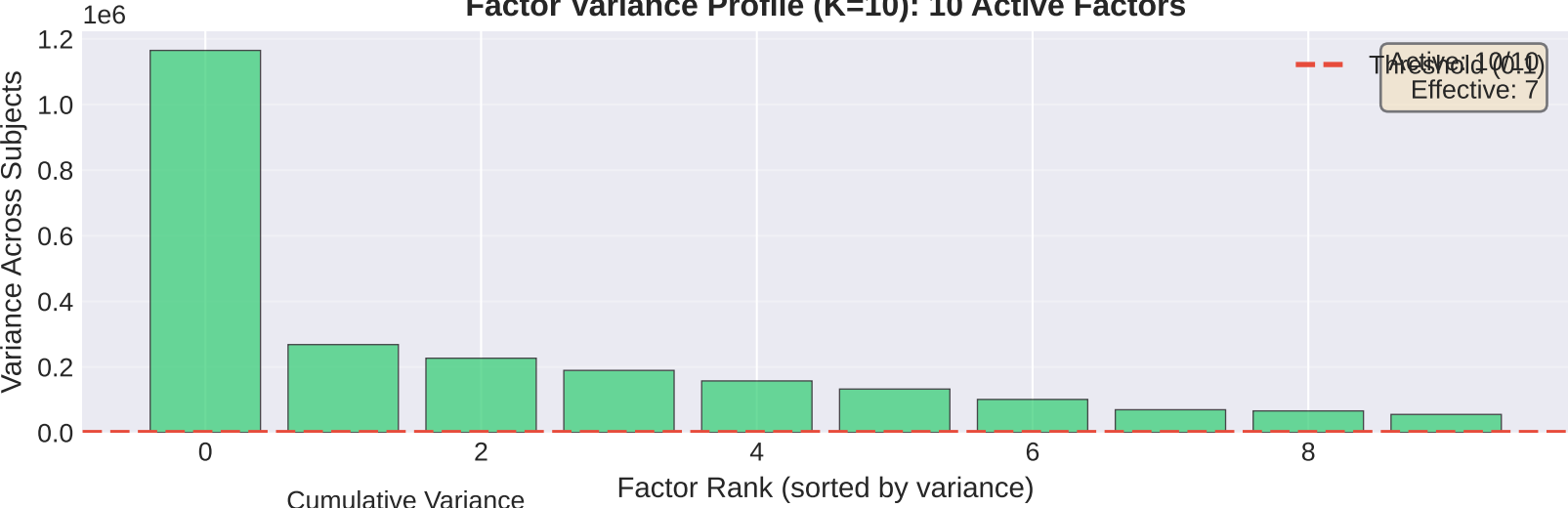
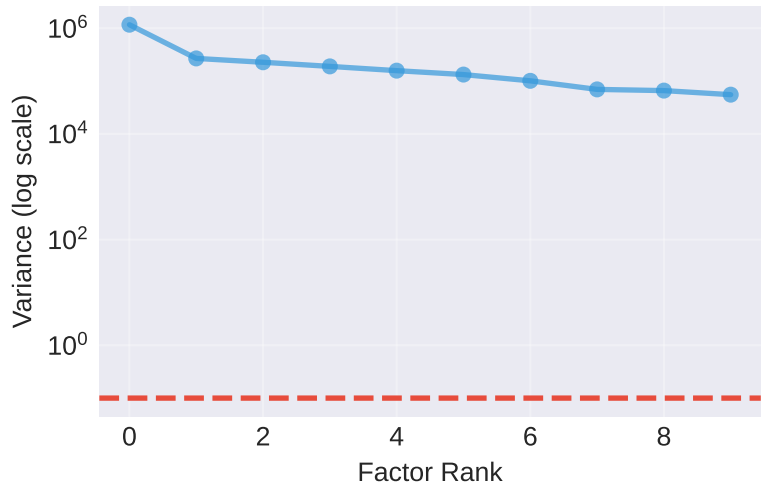


Factor Variance Analysis: ARD Shrinkage Assessment (K=10)

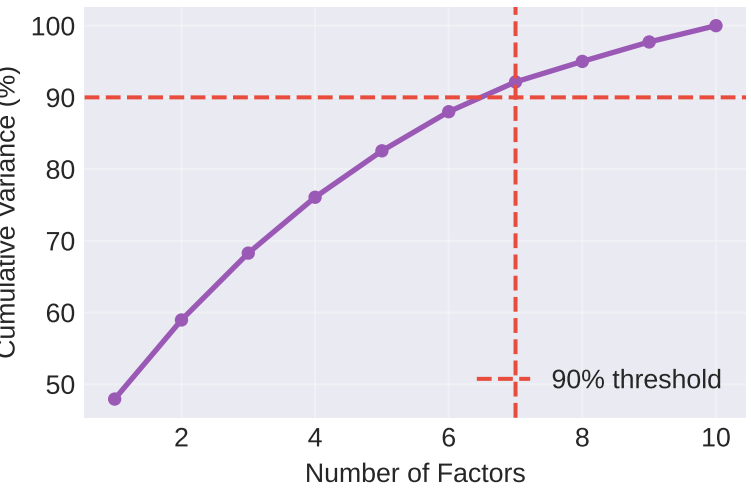
Factor Variance Profile (K=10): 10 Active Factors



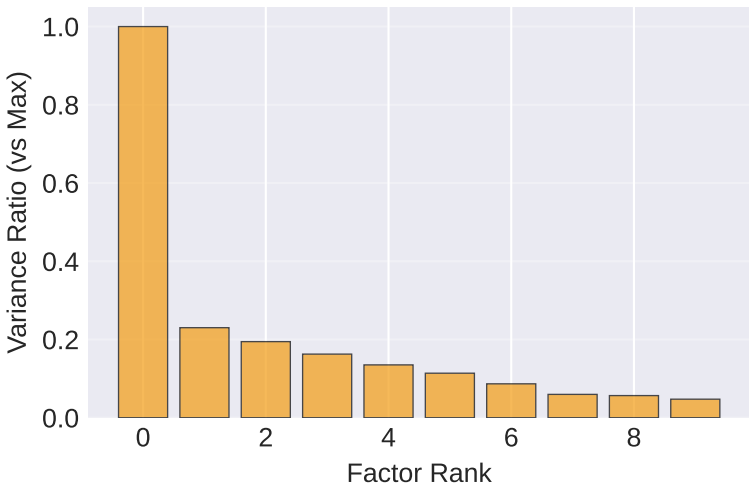
Log-Scale Variance
(Sharp drop = good ARD)



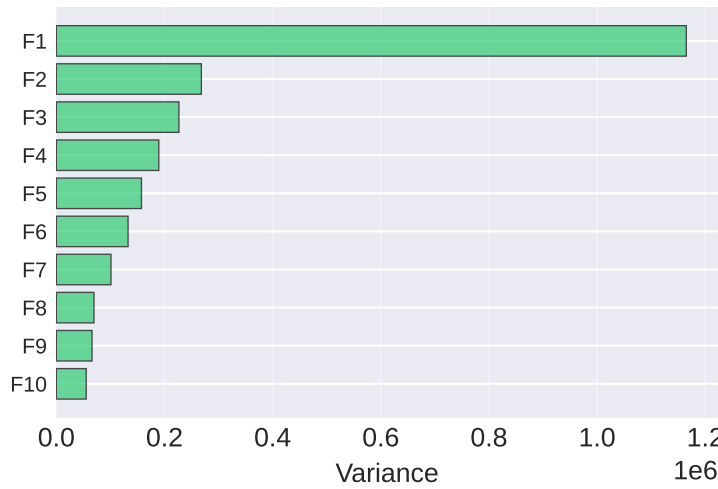
Cumulative Variance
(90% @ 7 factors)



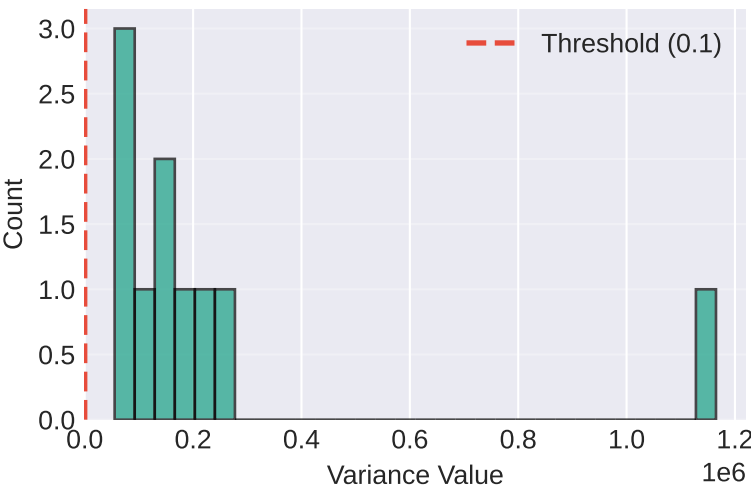
Normalized Variance Profile



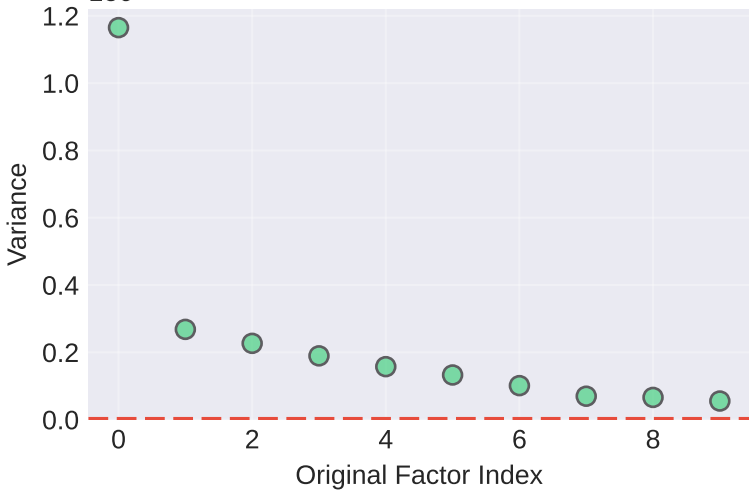
Top 10 Factors



Distribution of Factor Variances



Variance by Original Factor Order



VARIANCE PROFILE SUMMARY

Total Factors (K):10

Active Factors:10

Effective Dim (90%):7

Max Variance:1164945.8750

Mean Variance:243099.6512

Median Variance:145000.1328

Top 3 Variances:

#1: 1164945.8750

#2: 268170.7812

#3: 226667.2188

ARD Shrinkage:MODERATE

Shrinkage Ratio:4.73

INTERPRETATION:

Moderate shrinkage.

Model somewhat uncertain.

Check convergence.