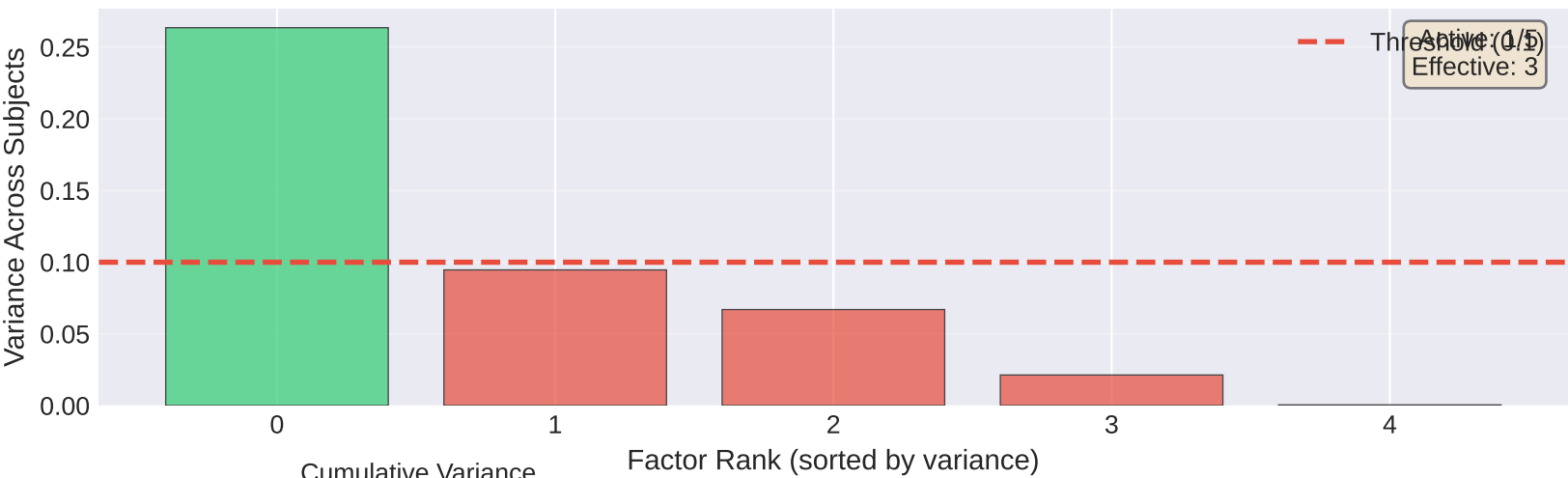
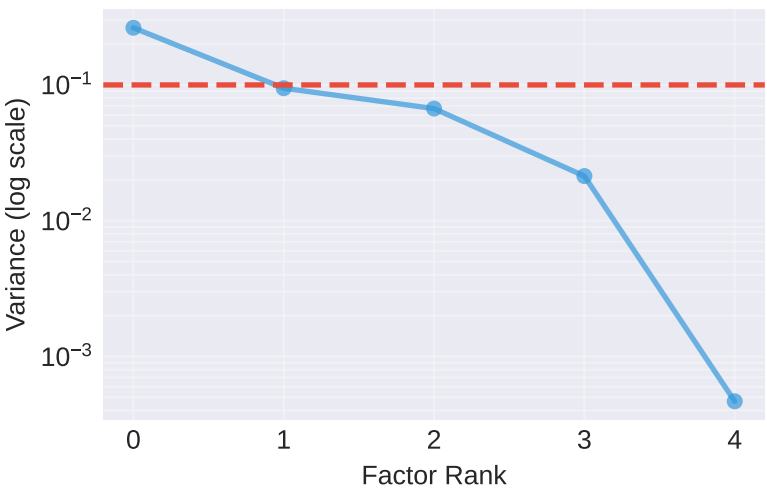


Factor Variance Analysis: ARD Shrinkage Assessment (K=5)

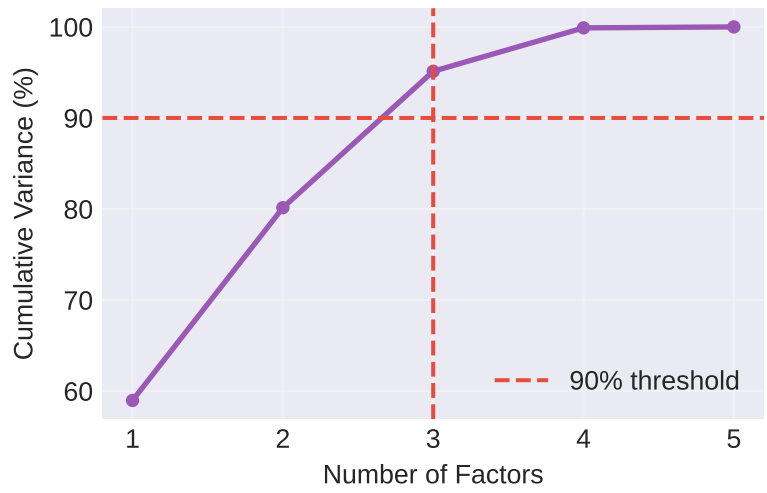
Factor Variance Profile (K=5): 1 Active Factors



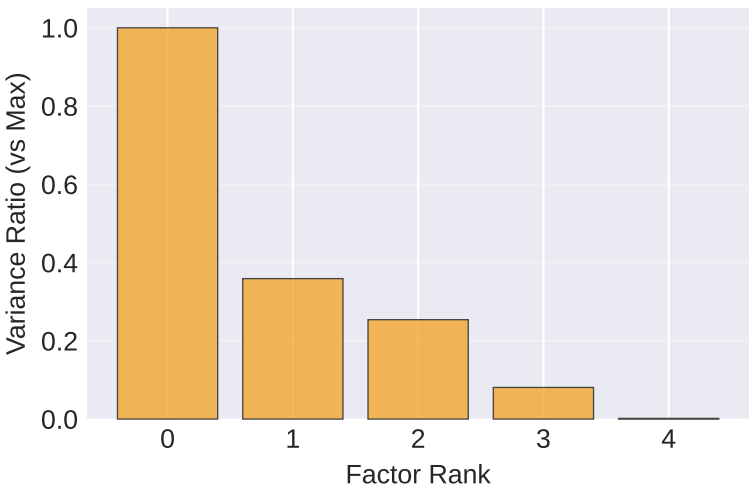
Log-Scale Variance  
(Sharp drop = good ARD)



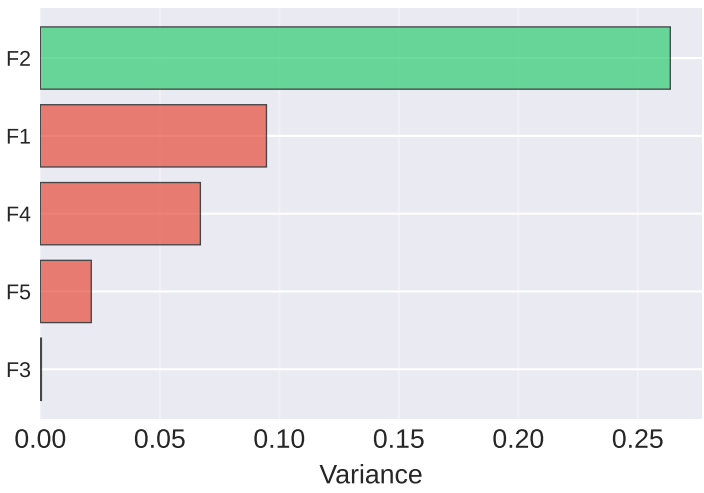
Cumulative Variance  
(90% @ 3 factors)



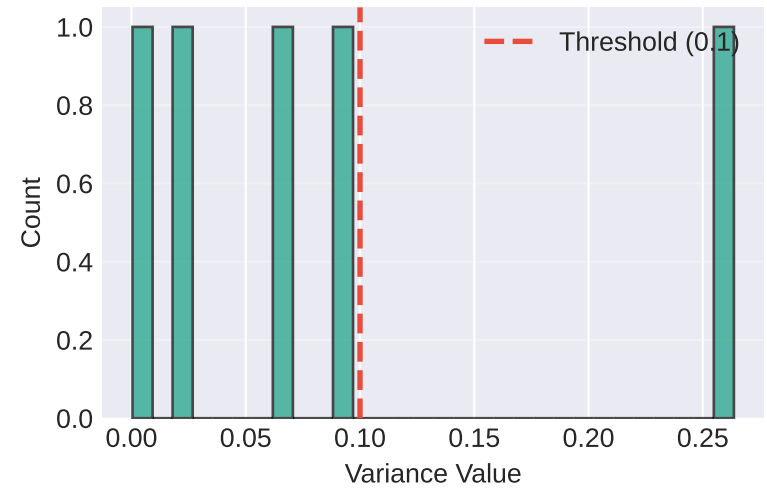
Normalized Variance Profile



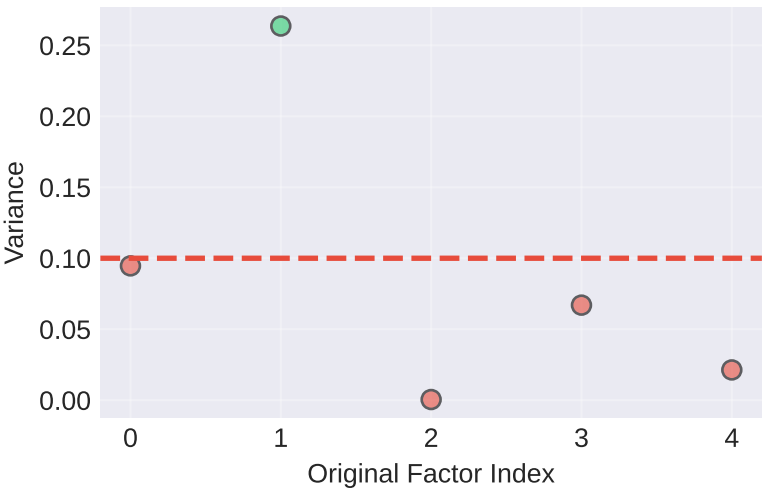
Top 5 Factors



Distribution of Factor Variances



Variance by Original Factor Order



VARIANCE PROFILE SUMMARY

=====

Total Factors (K):5

Active Factors:1

Effective Dim (90%):3

Max Variance:0.2636

Mean Variance:0.0894

Median Variance:0.0670

Top 3 Variances:

#2: 0.2636

#1: 0.0946

#4: 0.0670

ARD Shrinkage:N/A (K < 10)

Shrinkage Ratio:nan

INTERPRETATION:

Poor shrinkage suggests:

- Convergence issues
- Overfitting
- Need longer sampling