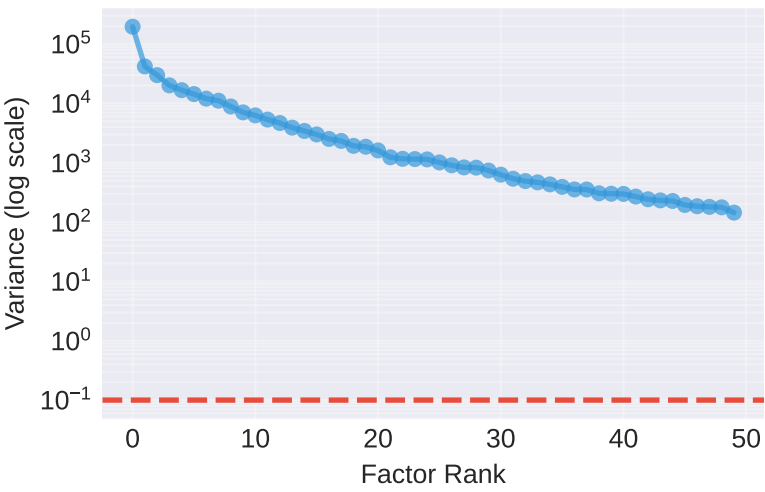


Factor Variance Analysis: ARD Shrinkage Assessment (K=50)

Factor Variance Profile (K=50): 50 Active Factors

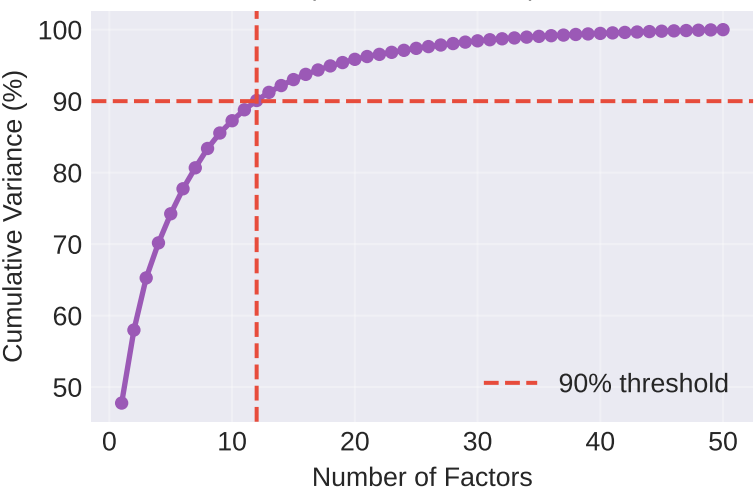


Log-Scale Variance
(Sharp drop = good ARD)

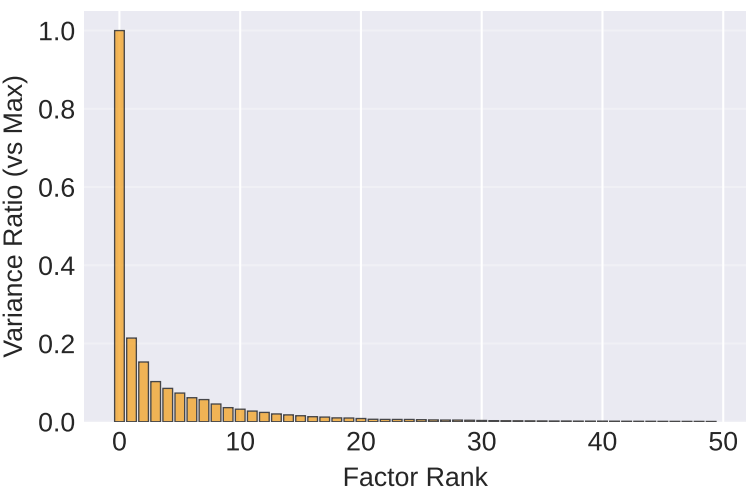


Cumulative Variance
(90% @ 12 factors)

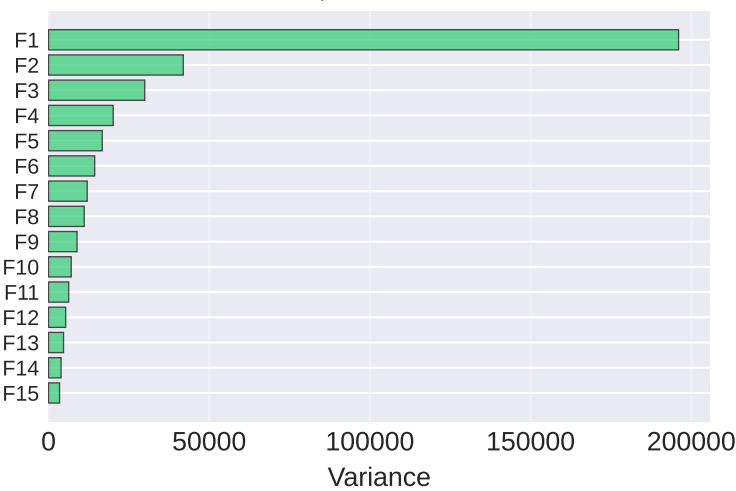
Factor Rank (sorted by variance)



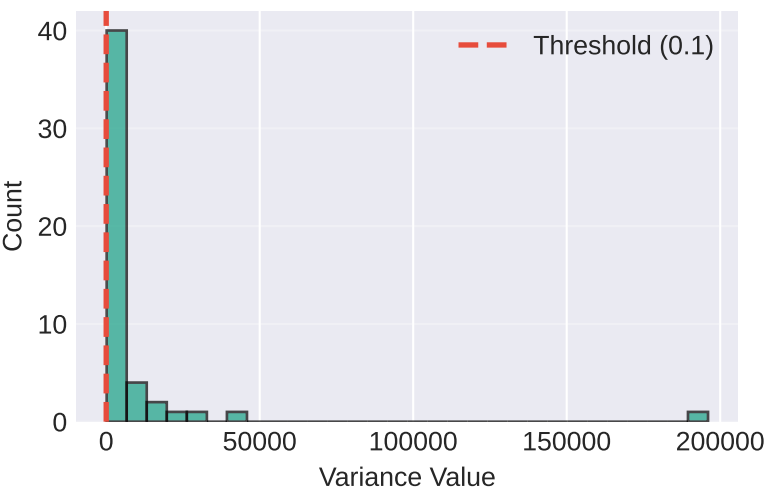
Normalized Variance Profile



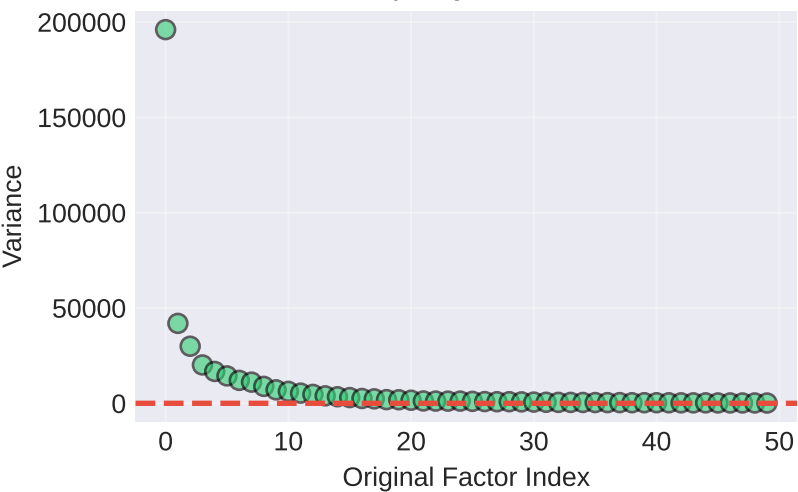
Top 15 Factors



Distribution of Factor Variances



Variance by Original Factor Order



VARIANCE PROFILE SUMMARY

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Total Factors (K):	50
Active Factors:	50
Effective Dim (90%):	12
Max Variance:	196035.8438
Mean Variance:	8208.9726
Median Variance:	1075.0013
Top 3 Variances:	
#1:	196035.8438
#2:	41928.1406
#3:	29934.5605
ARD Shrinkage:	MODERATE ▲
Shrinkage Ratio:	7.91

INTERPRETATION:

Moderate shrinkage.
Model somewhat uncertain.
Check convergence.