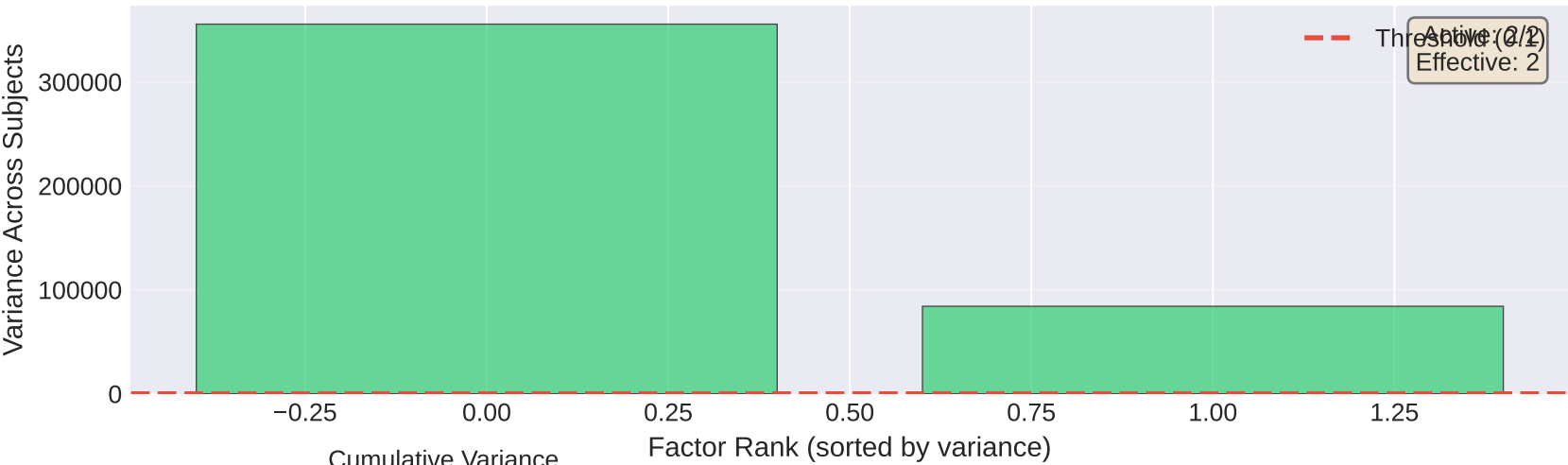
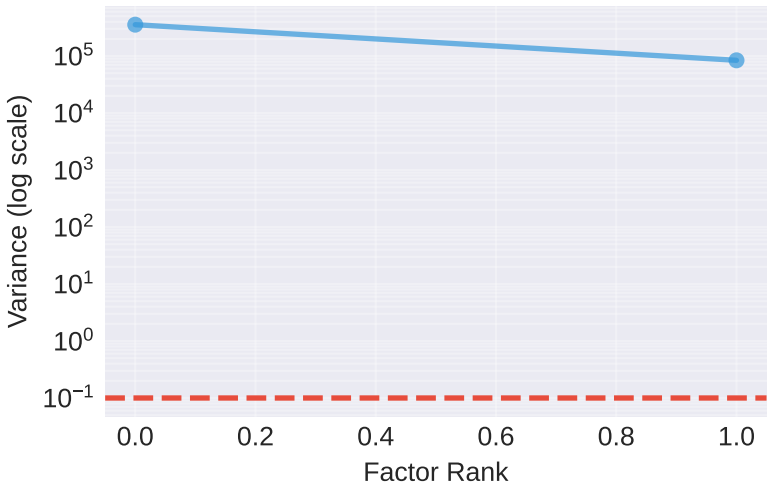


Factor Variance Analysis: ARD Shrinkage Assessment (K=2)

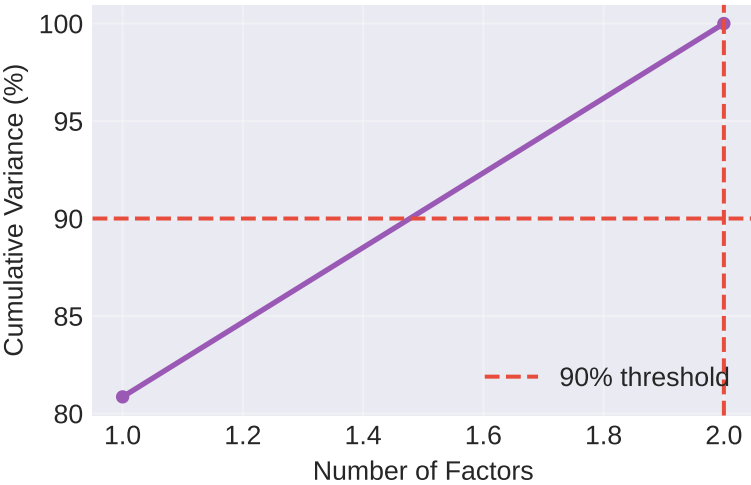
Factor Variance Profile (K=2): 2 Active Factors



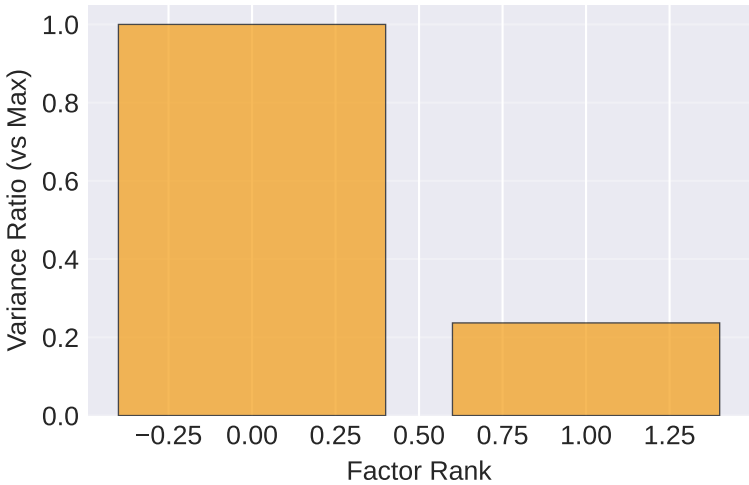
Log-Scale Variance
(Sharp drop = good ARD)



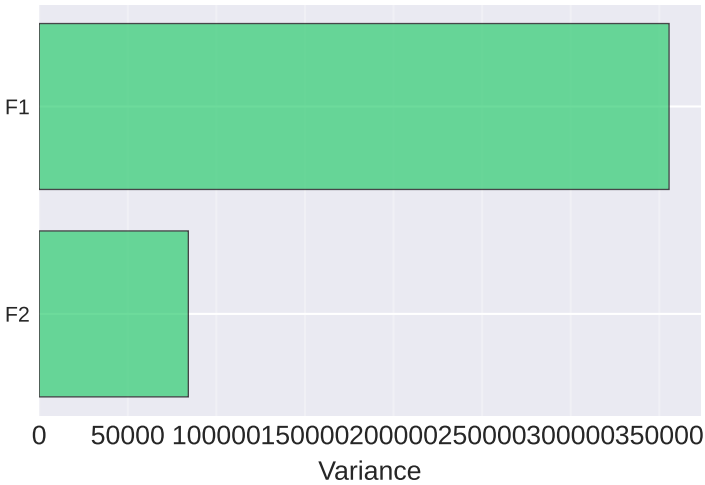
Cumulative Variance
(90% @ 2 factors)



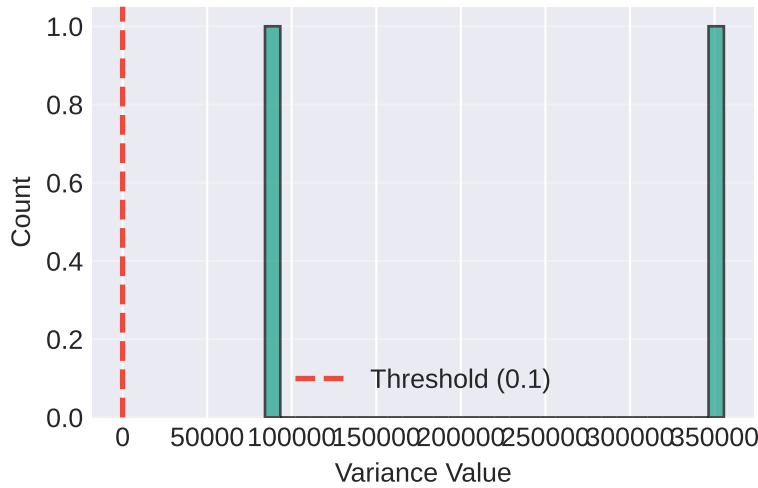
Normalized Variance Profile



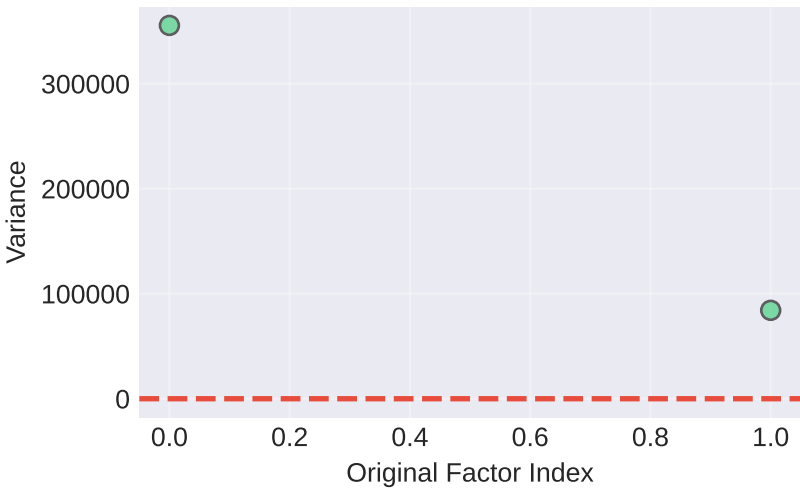
Top 2 Factors



Distribution of Factor Variances



Variance by Original Factor Order



VARIANCE PROFILE SUMMARY

Total Factors (K): 2
Active Factors: 2
Effective Dim (90%): 2

Max Variance: 355513.4375
Mean Variance: 219849.8867
Median Variance: 219849.8867

Top 2 Variances:
#1: 355513.4375
#2: 84186.3359

ARD Shrinkage: N/A (K < 10)
Shrinkage Ratio: nan

INTERPRETATION:

Poor shrinkage suggests:

- Convergence issues
- Overfitting
- Need longer sampling