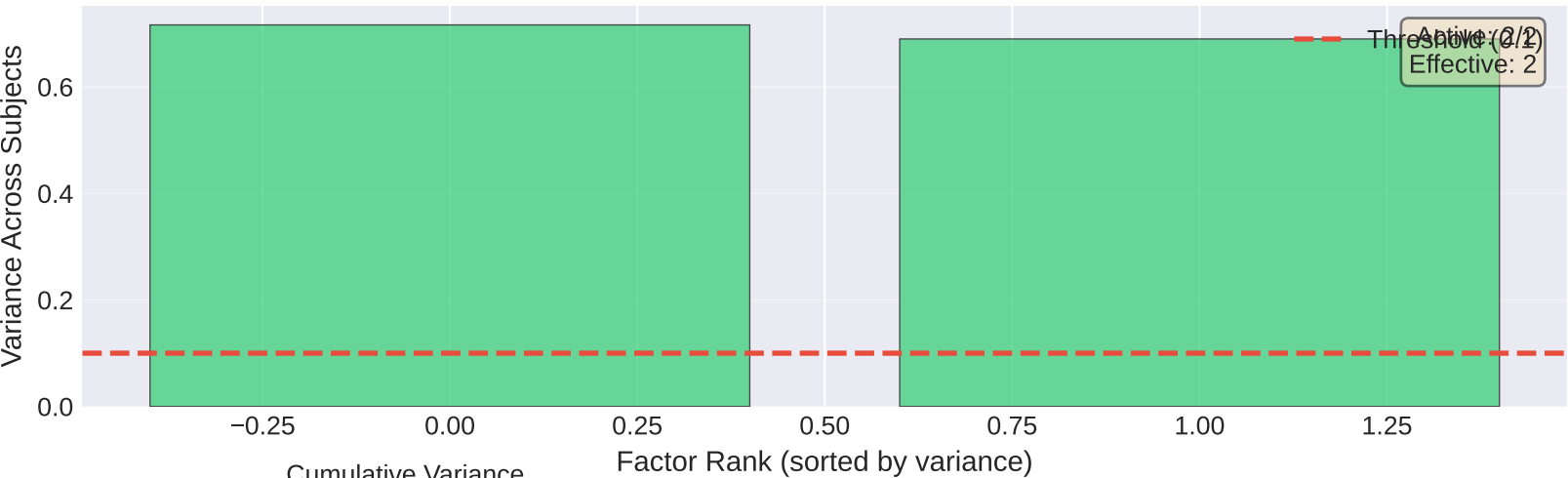
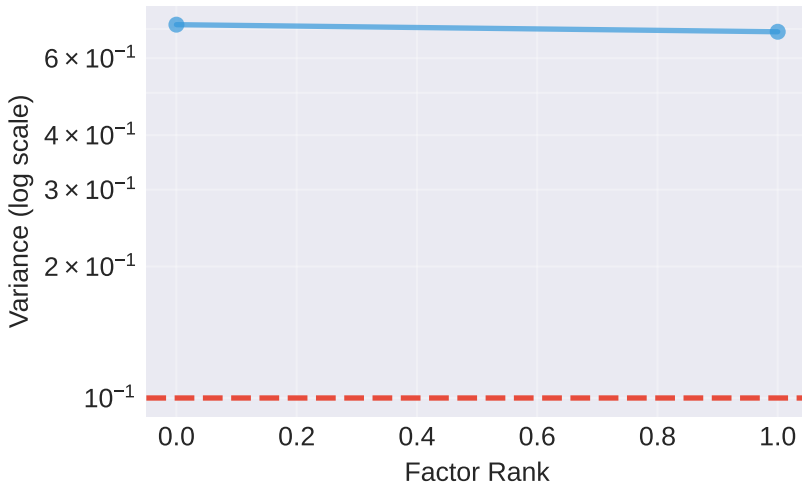


Factor Variance Analysis: ARD Shrinkage Assessment (K=2)

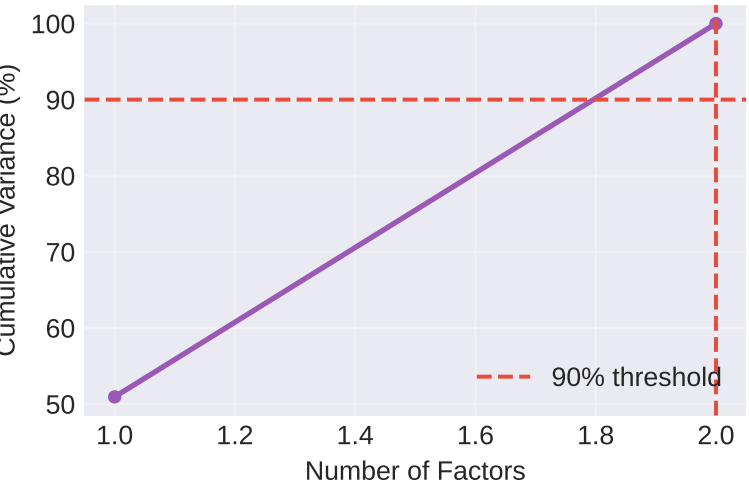
Factor Variance Profile (K=2): 2 Active Factors



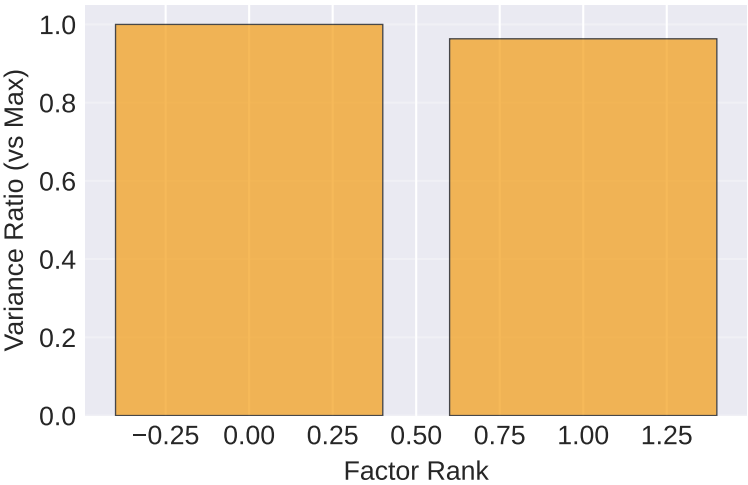
Log-Scale Variance  
(Sharp drop = good ARD)



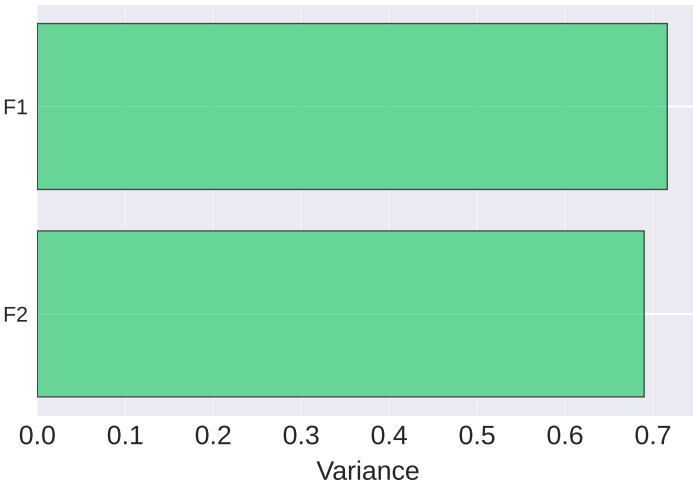
Cumulative Variance  
(90% @ 2 factors)



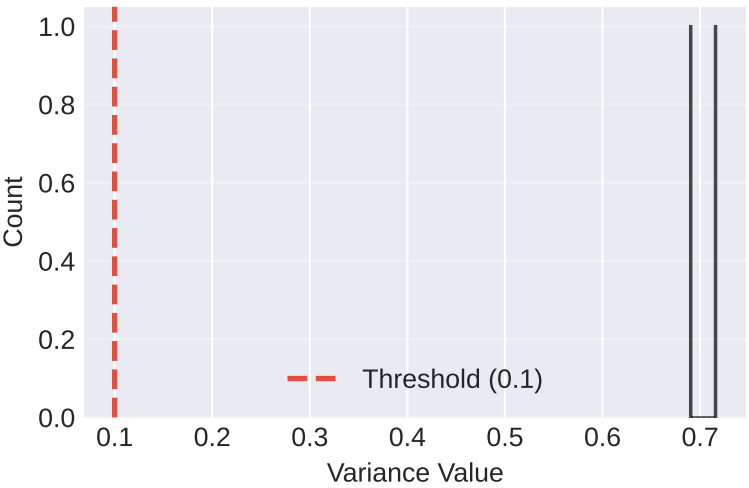
Normalized Variance Profile



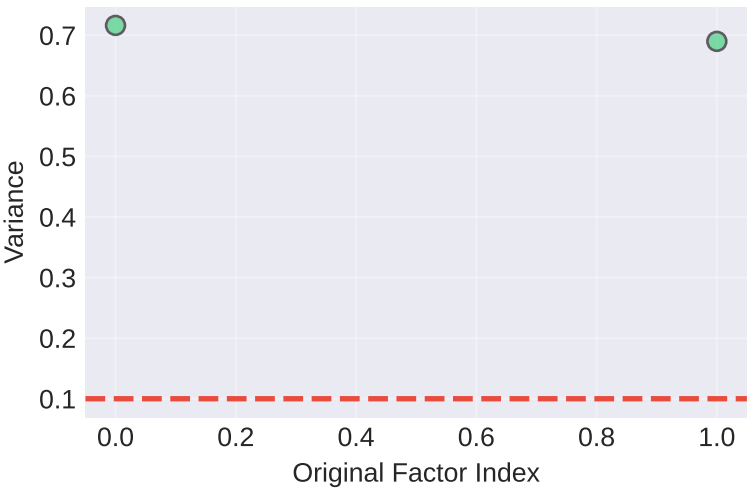
Top 2 Factors



Distribution of Factor Variances



Variance by Original Factor Order



VARIANCE PROFILE SUMMARY

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

Max Variance: 0.7162  
Mean Variance: 0.7031  
Median Variance: 0.7031

Top 2 Variances:  
#1: 0.7162  
#2: 0.6899

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

INTERPRETATION:

Poor shrinkage suggests:

- Convergence issues
- Overfitting
- Need longer sampling