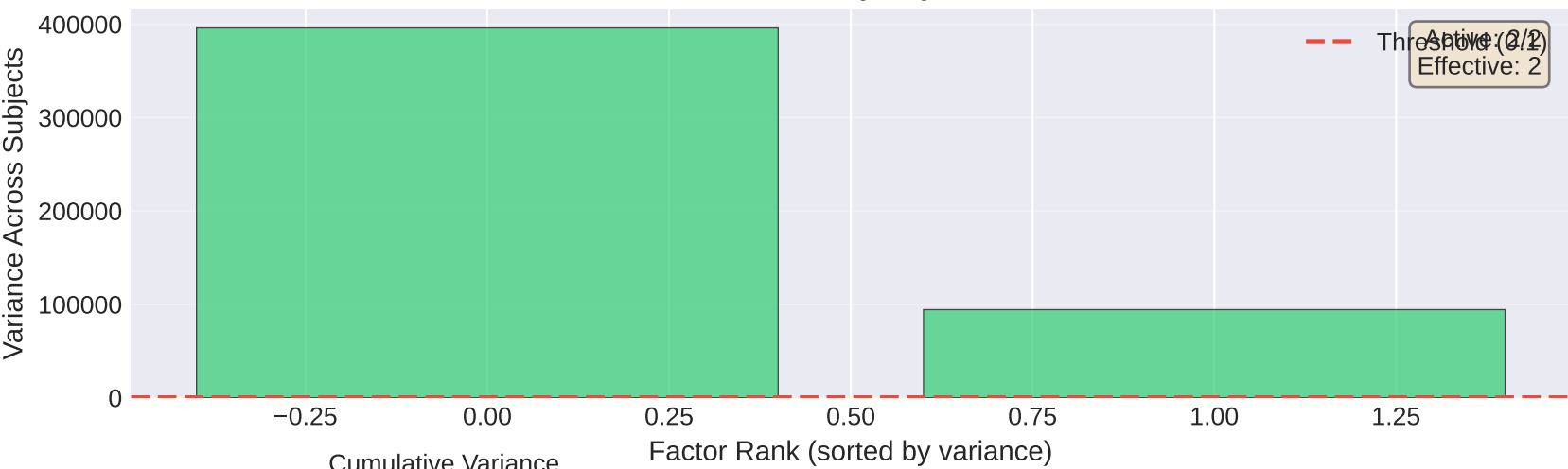
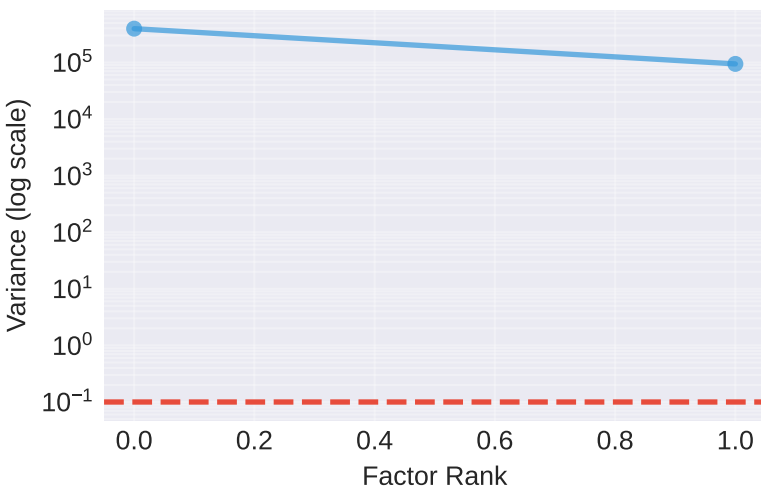


Factor Variance Analysis: ARD Shrinkage Assessment (K=2)

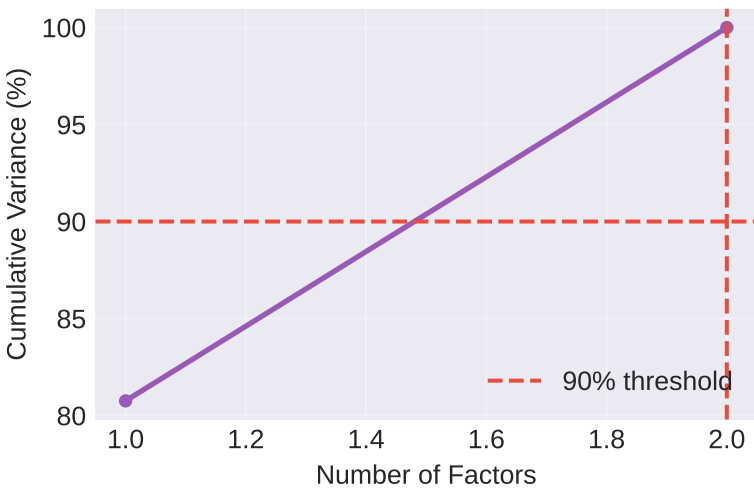
Factor Variance Profile (K=2): 2 Active Factors



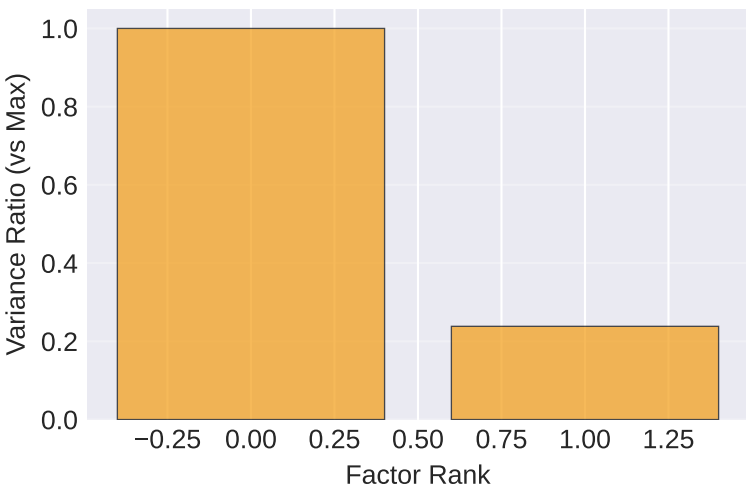
Log-Scale Variance  
(Sharp drop = good ARD)



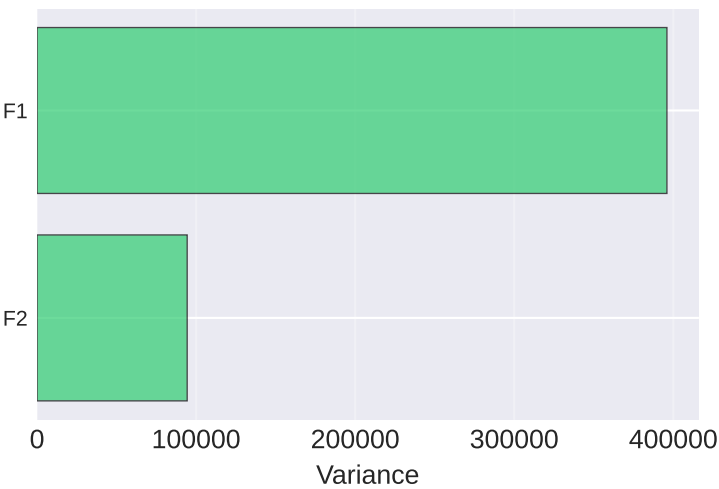
Cumulative Variance  
(90% @ 2 factors)



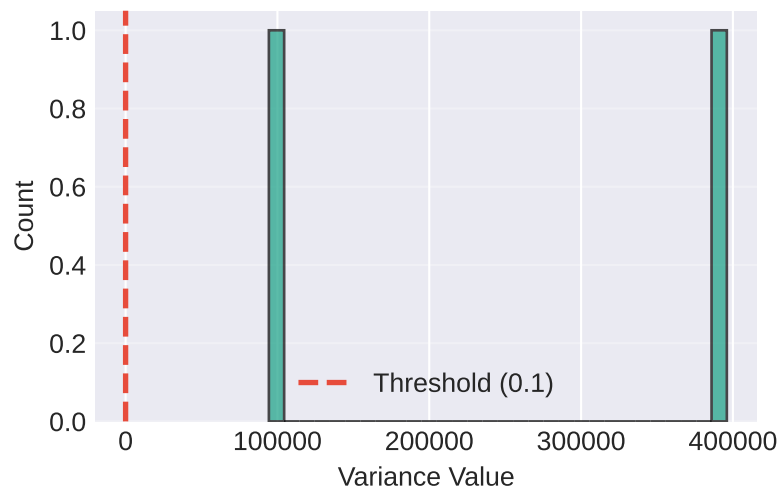
Normalized Variance Profile



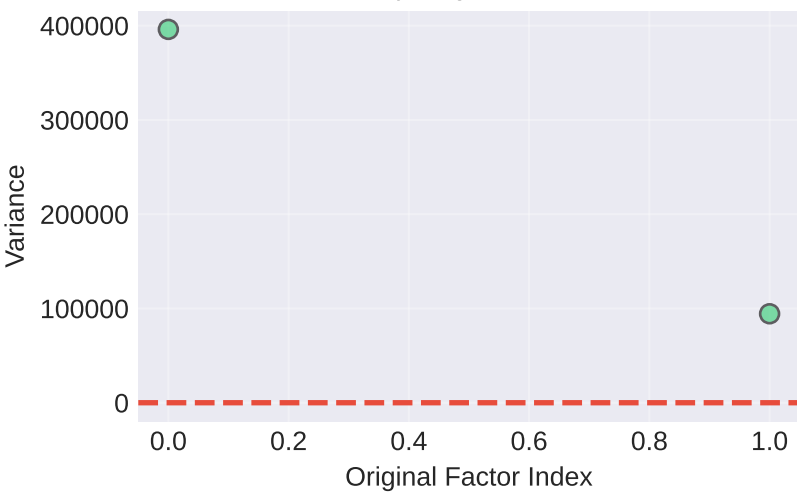
Top 2 Factors



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: 395997.4375  
Mean Variance: 245184.4180  
Median Variance: 245184.4180

Top 2 Variances:  
#1: 395997.4375  
#2: 94371.3984

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

INTERPRETATION:

Poor shrinkage suggests:  
• Convergence issues  
• Overfitting  
• Need longer sampling