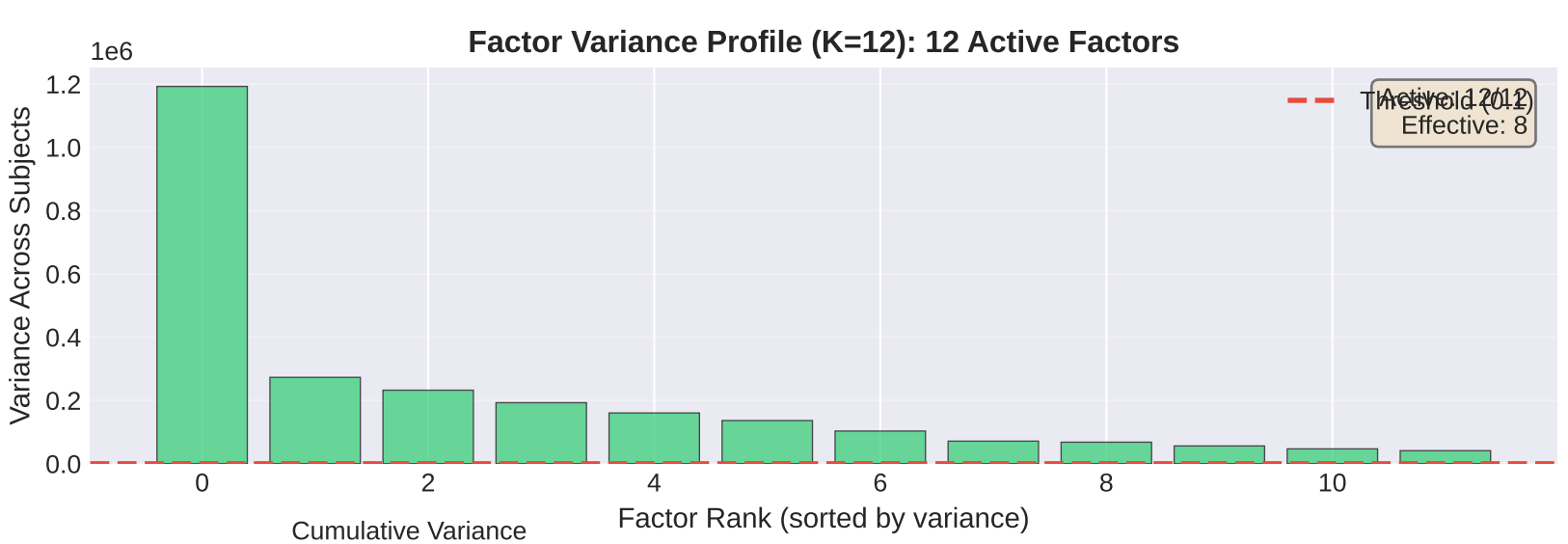
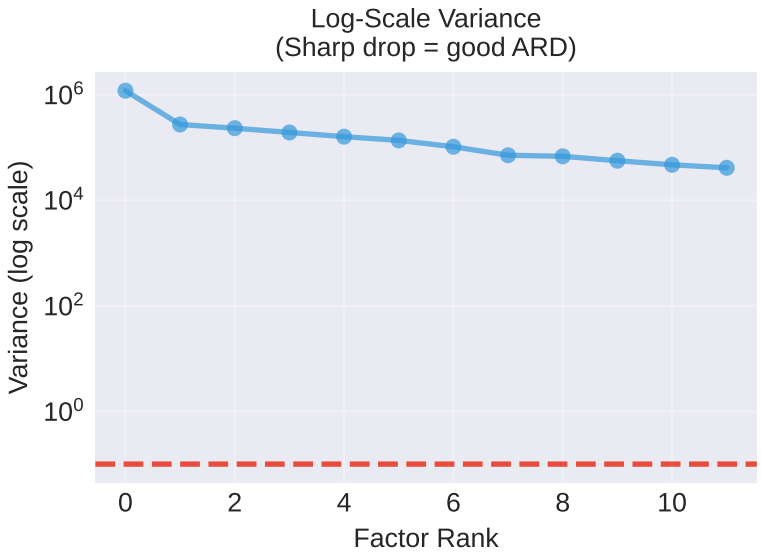
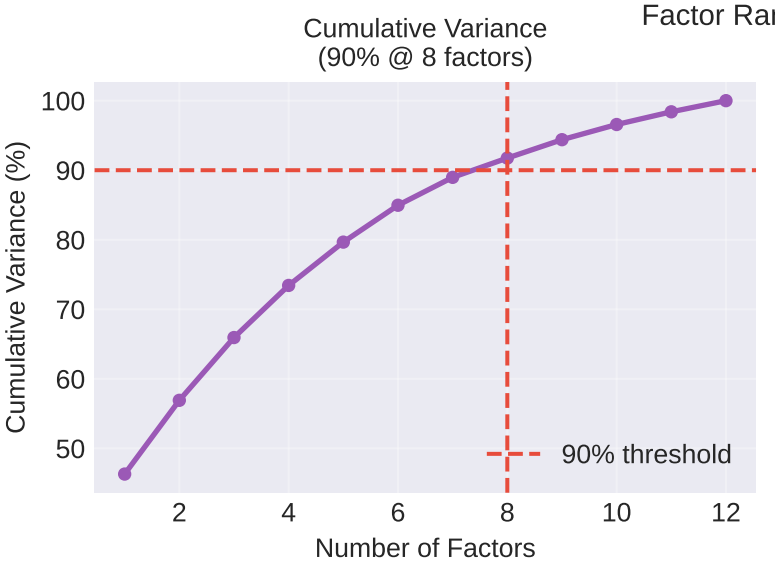
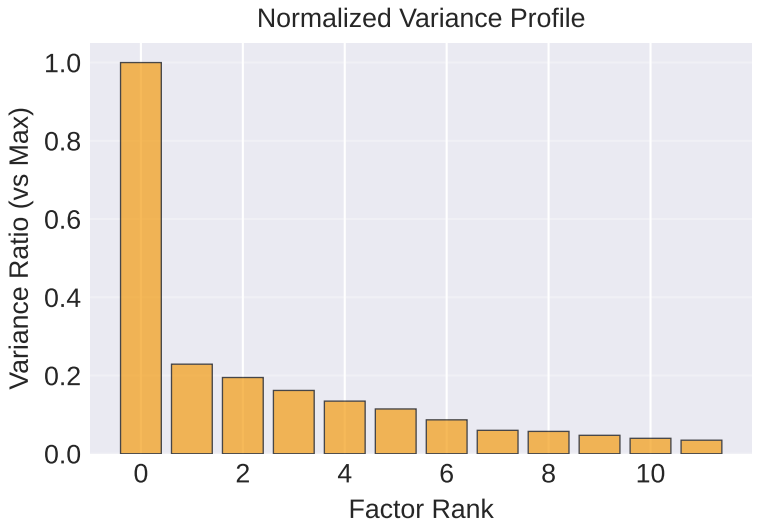
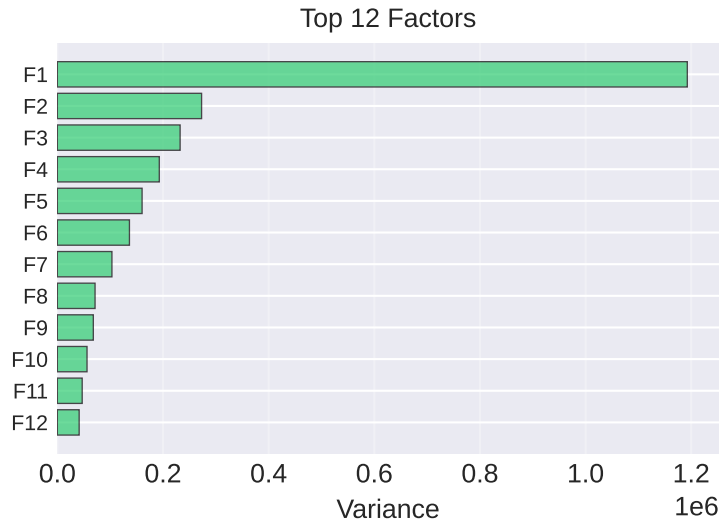
Factor Variance Analysis: ARD Shrinkage Assessment (K=12)

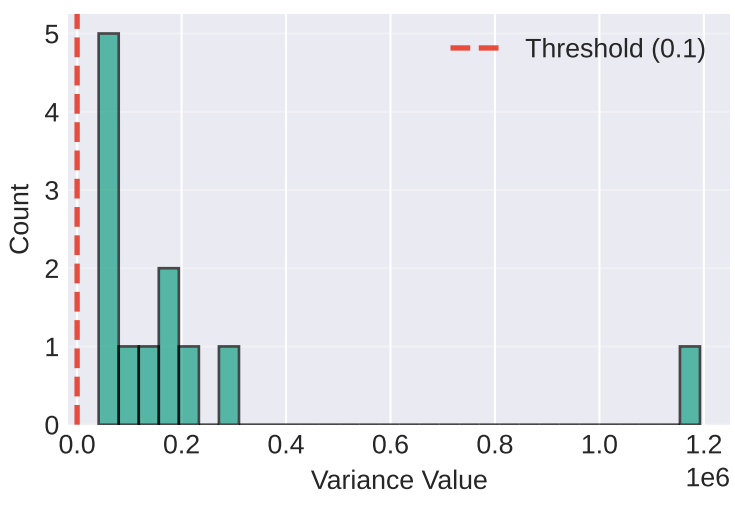












```
VARIANCE PROFILE SUMMARY
========================

Total Factors (K):      12
Active Factors:         12
Effective Dim (90%):    8

Max Variance:           1192553.1250
Mean Variance:          214589.9098
Median Variance:        119899.0820

Top 3 Variances:
  #1: 1192553.1250
  #2: 273051.5625
  #3: 232394.1562

ARD Shrinkage:          MODERATE ⚠
Shrinkage Ratio:        5.48

INTERPRETATION:
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Moderate shrinkage.
Model somewhat uncertain.
Check convergence.
```