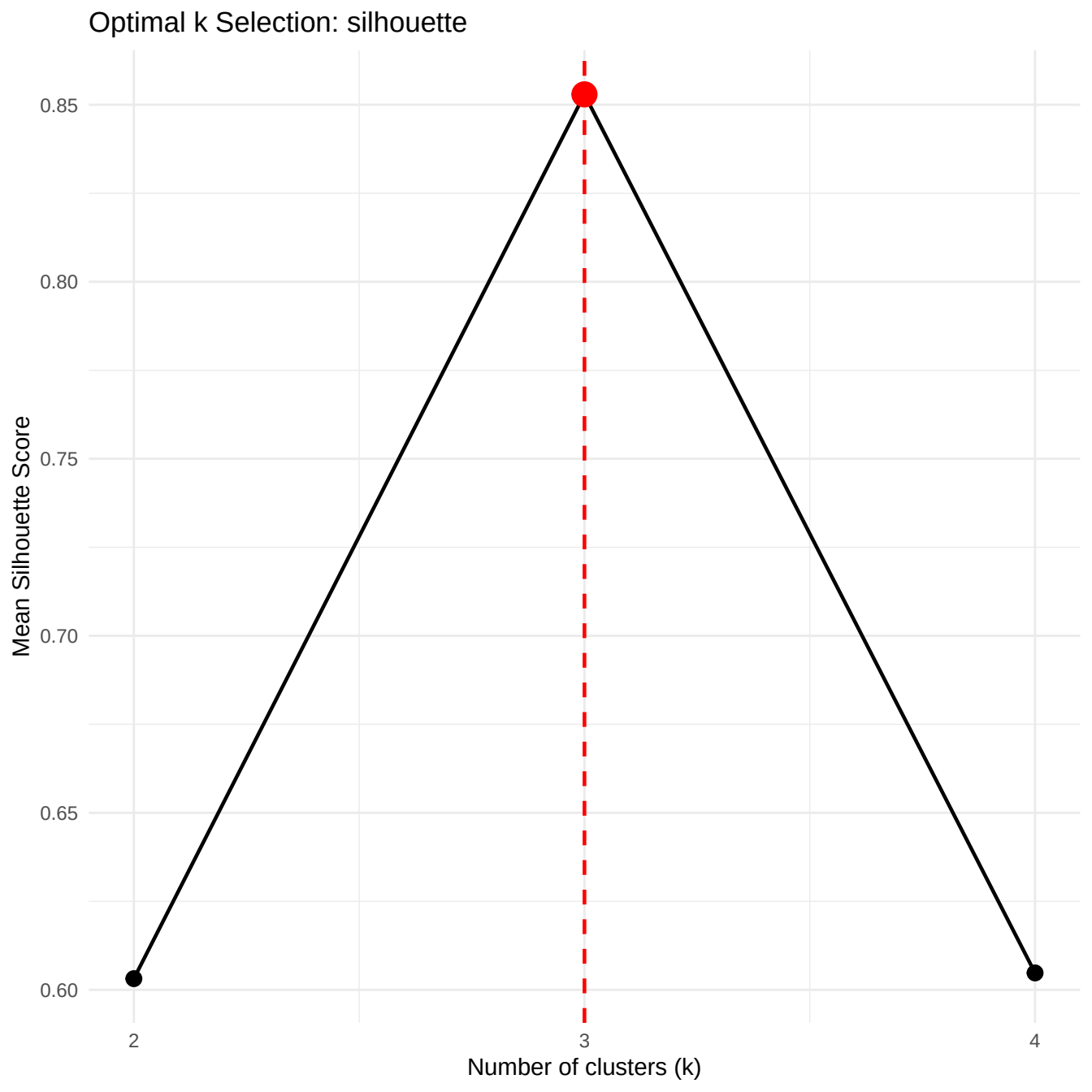
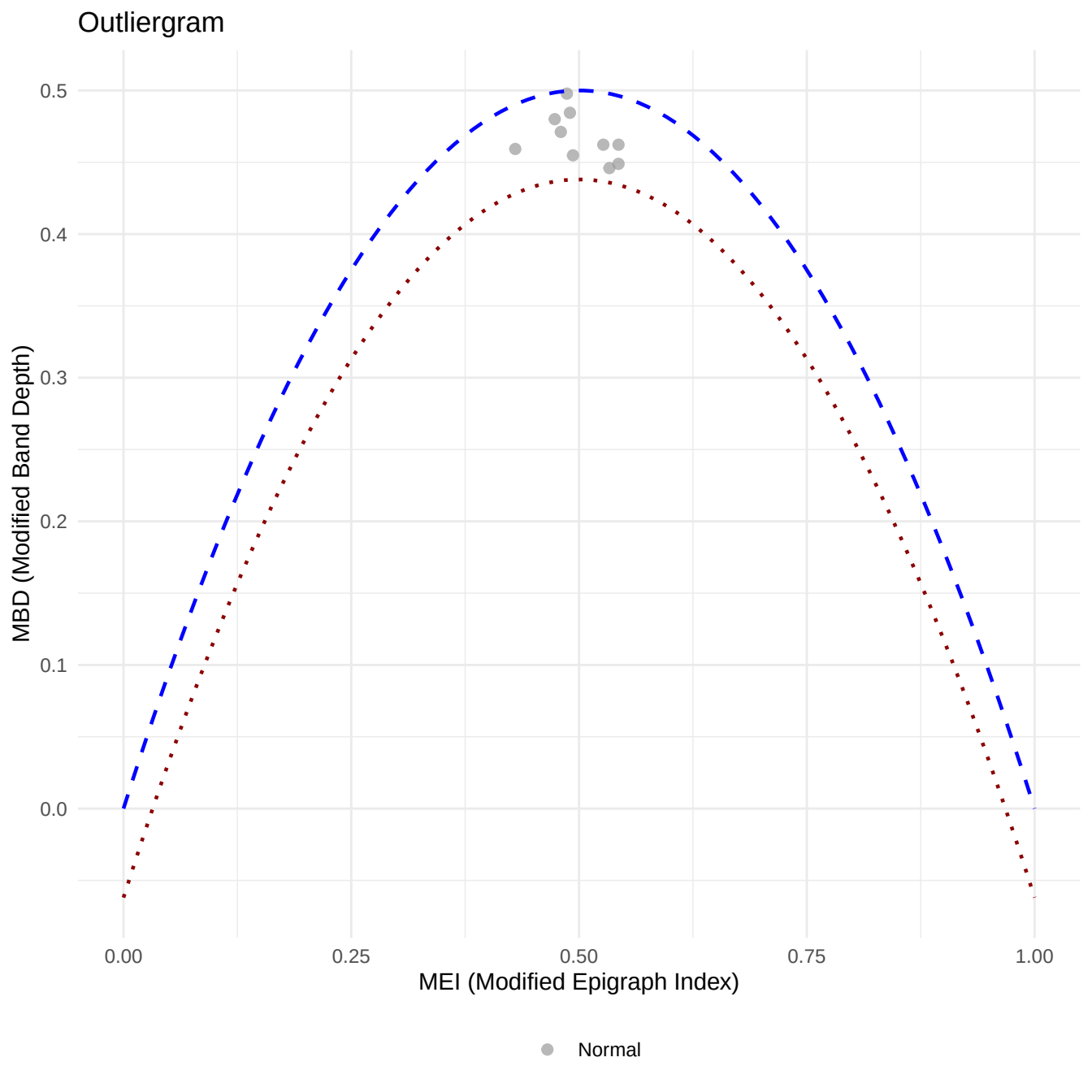
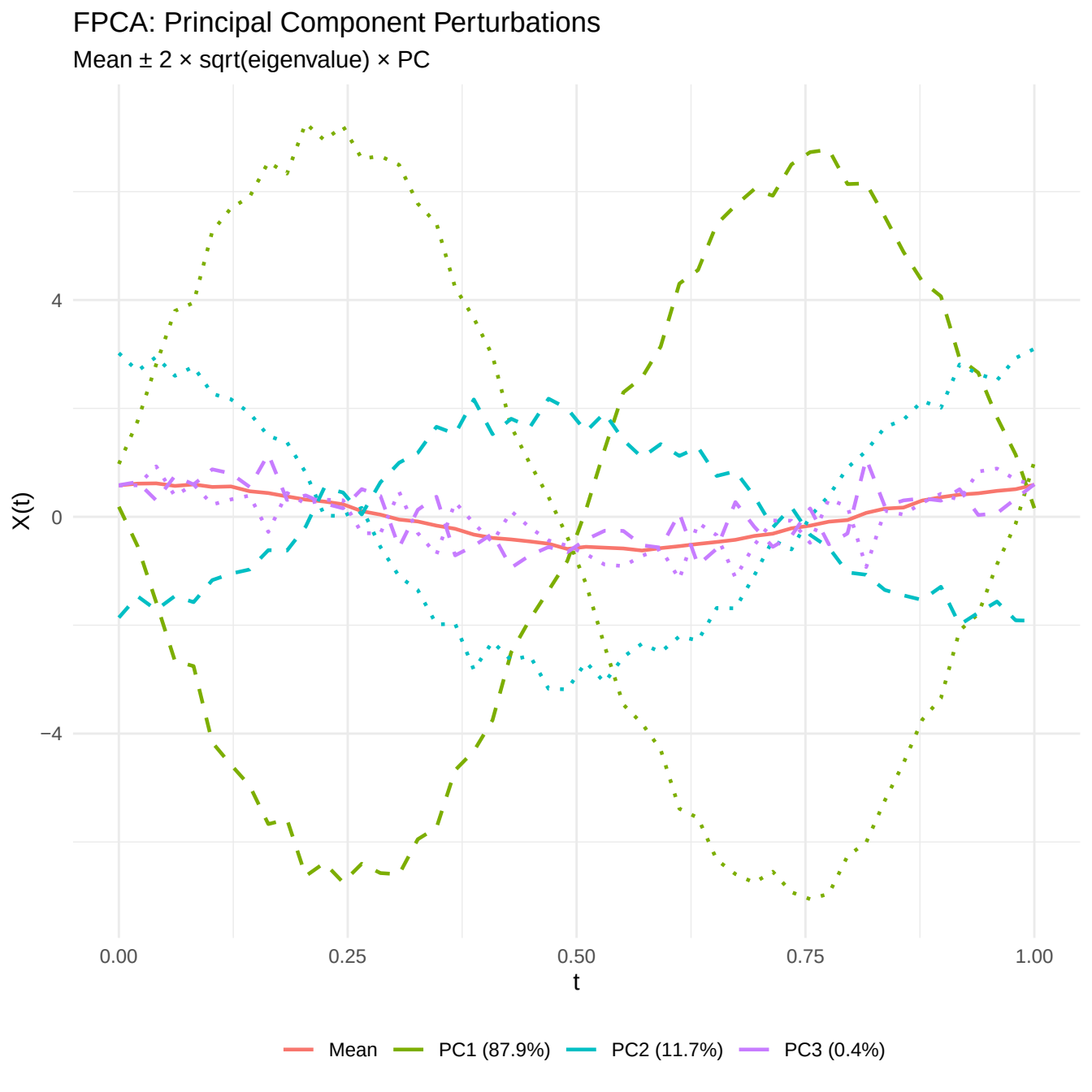
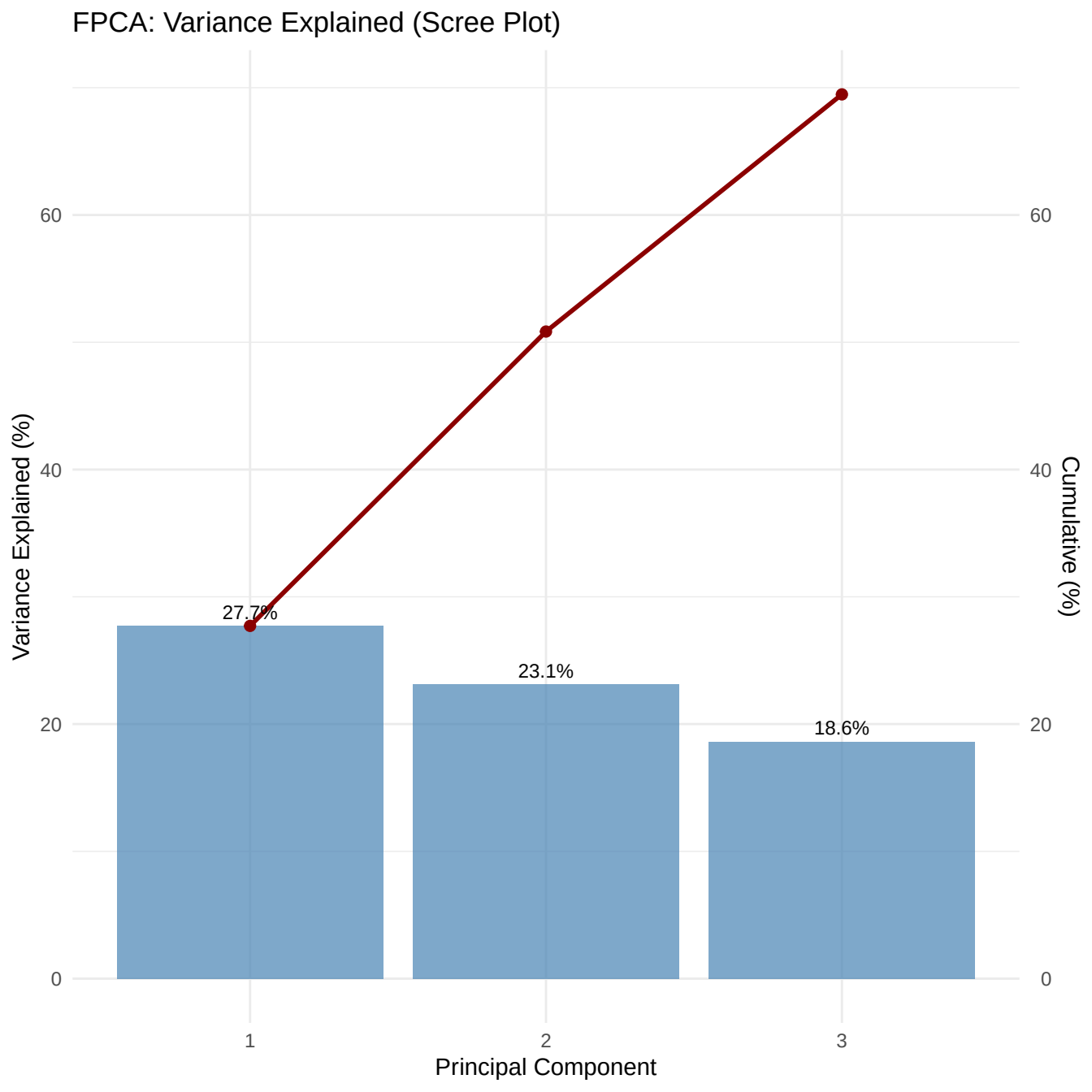
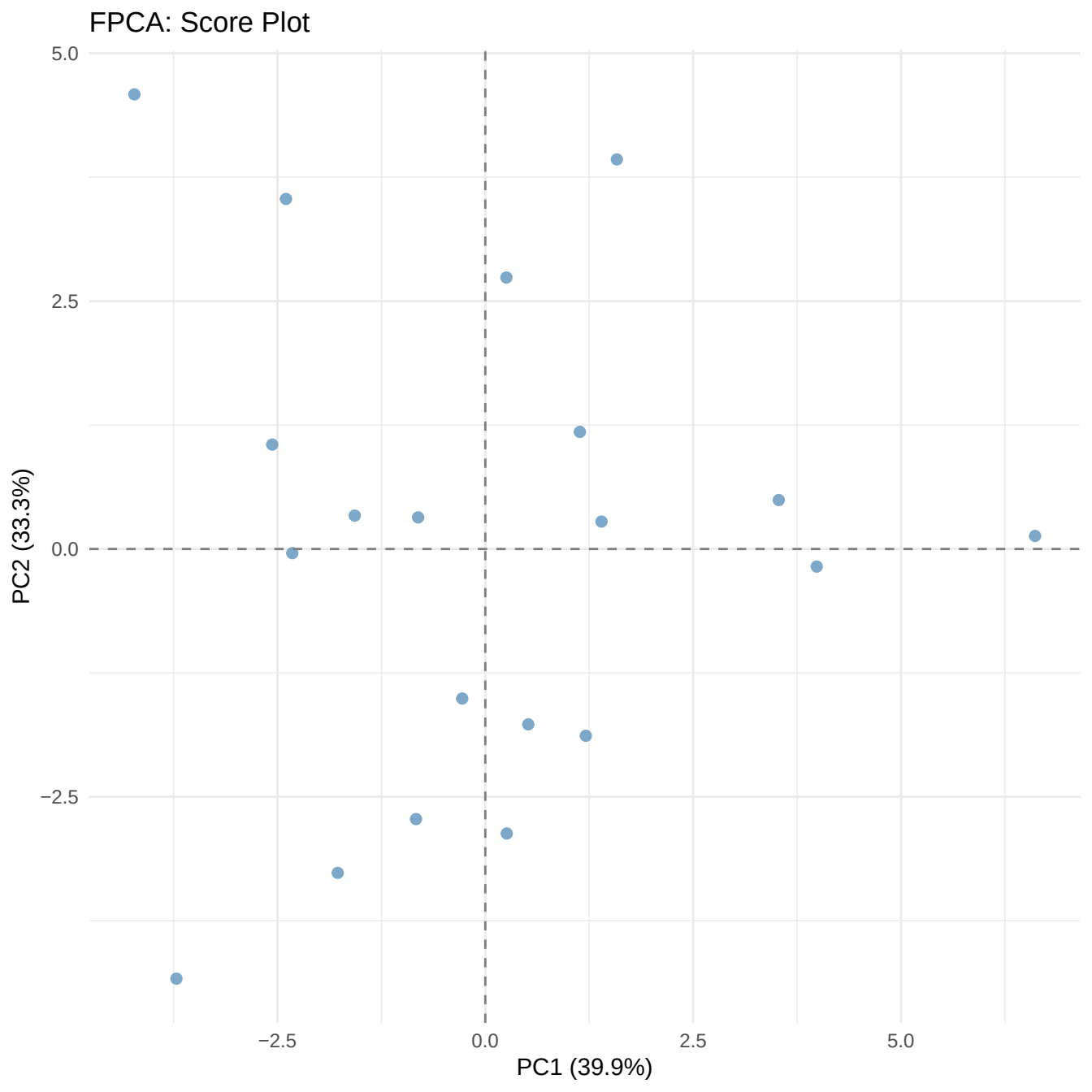

Optimal k Selection: silhouette
Mean Silhouette Score
0.85
0.80
0.75
0.70
0.65
0.60
2
3
4
Number of clusters (k)


Outliergram
MBD (Modified Band Depth)
0.5
0.4
0.3
0.2
0.1
0.0
0.00
0.25
0.50
0.75
1.00
MEI (Modified Epigraph Index)
Normal


FPCA: Principal Component Perturbations
Mean ± 2 × sqrt(eigenvalue) × PC
X(t)
4
0
−4
0.00
0.25
0.50
0.75
1.00
t
Mean
PC1 (87.9%)
PC2 (11.7%)
PC3 (0.4%)


FPCA: Variance Explained (Scree Plot)
Variance Explained (%)
Cumulative (%)
Principal Component
27.7%
23.1%
18.6%
0
20
40
60
1
2
3


FPCA: Score Plot
5.0
2.5
0.0
−2.5
PC2 (33.3%)
−2.5
0.0
2.5
5.0
PC1 (39.9%)