

Method used

- Yeo-Johnson transformation + RobustScaler
- K-Means clustering, k chosen via Elbow and Silhouette
- Visualization with PCA 2D
- Synthesis need_index: combines child_mort, total fer, inflation, income, gdpp, life expect (higher weights for child_mort, income, gdpp, life_expect)

Results

- k=3 clusters
- Clusters:
 - 2=Developed: income/gdpp/life_expect high, child_mort low
 - 1=Intermediate: average values across features
 - 0:High priority:income/gdpp/life_expect low, child_mort/total_fer high
- The priority cluster is 0 with highest mean need_index
- Funding top 10 countries by need_index