

Flock size and family size

Reconstructing number of families

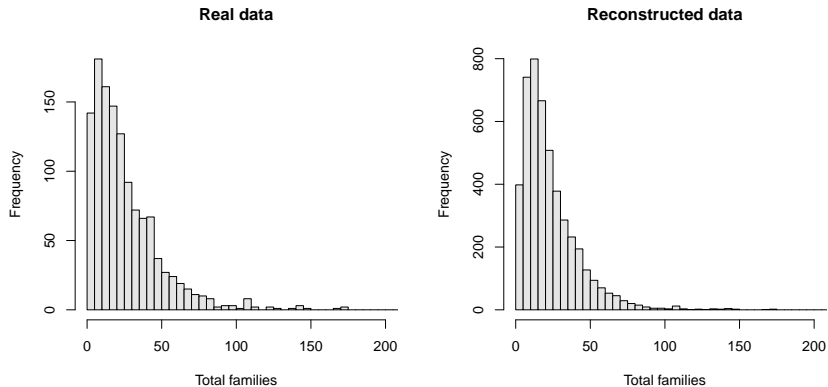


Figure 1: Total families reconstructed from juvenile count are distributed similar to real data.

Family size ~ flock size

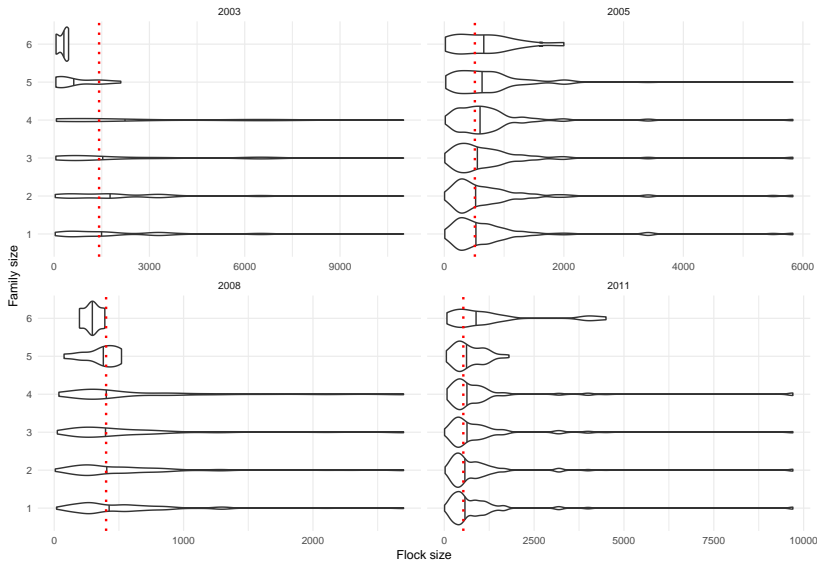


Figure 2: Violin plot. Black line: median flock size. Families > 4 are found in flocks > median in lemming peak years ('05). Red dotted line: median flock size.

Family size \sim flock size

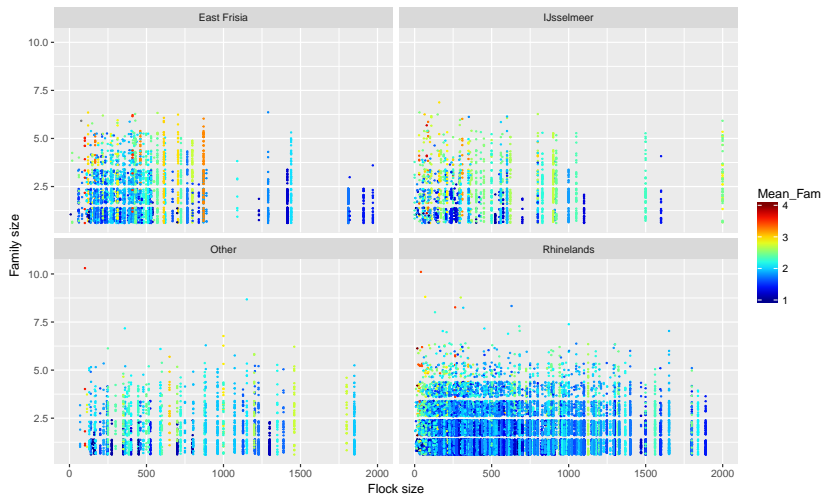


Figure 3: Family size $\sim \ln(\text{flock size})$. Flocks of all sizes have families of all sizes.

Family size spatial pattern

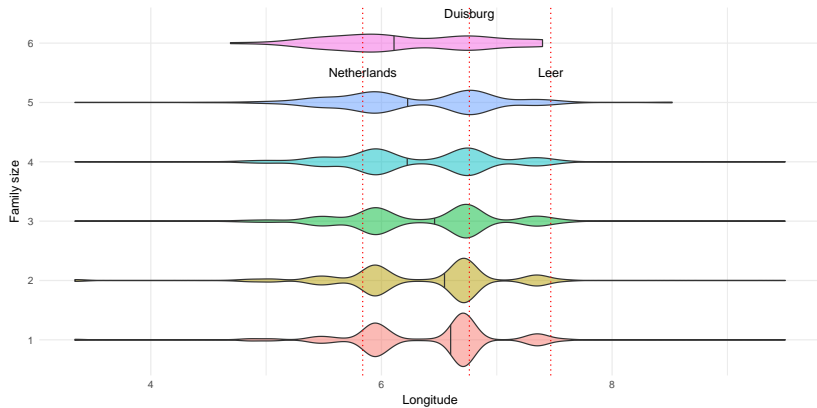


Figure 4: Families > 3 have a lower median longitude.

Flock size spatial pattern

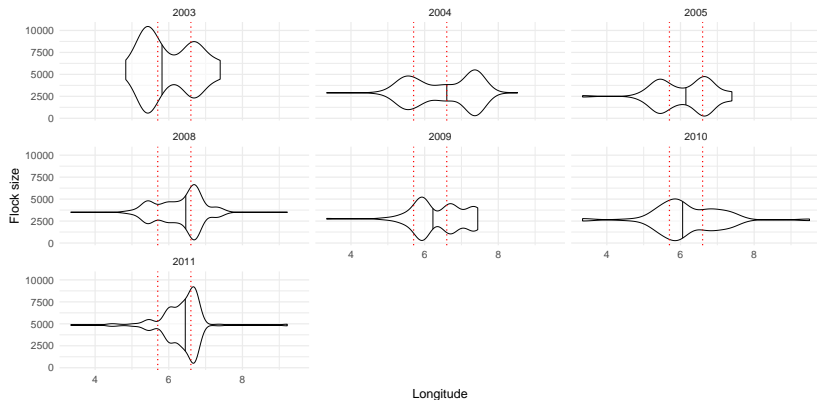


Figure 5: Flocks are larger in the east in some years. Dotted red line: Friesland (L) & Rhinelands (R).