Algebraic Method of Calculating Deviations
With Floterial Districts

Assume 3 regular districts A, B and C (*can be single or multi-town districts*) and 1 floterial district containing the 3 regular districts.

Aggregate Method

Variables
P_A = population of district A
P_T = population total ($P_A + P_B + P_C$)
S_A = seats assigned to district A
S_F = seats assigned to float district
S_T = seat total ($S_A + S_B + S_C + S_F$)

$$\text{Deviation} = \frac{\frac{P_T}{3291} - S_T}{S_T} \times 100$$

Component Method

Variables
P_A = population of district A
P_T = population total ($P_A + P_B + P_C$)
S_A = seats assigned to district A
S_F = seats assigned to float district
AS_A = adjusted seats of district A area
D_A = deviation of district A area

$$AS_A = S_A + \left(\frac{P_A}{P_T} \times S_F\right)$$

$$D_A = \frac{\frac{P_A}{3291} - AS_A}{AS_A} \times 100$$

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