

Proportion of births over the mean

- Observations
- Long-term trend (f_1)
- Year effects (f_2)
- Special days effects (f_4)
- $\mu=f_1+f_2+f_3+f_4$

New year

Valentine's day

Leap day

April 1st

Memorial day

Independence day

Labor day

Halloween

Thanks-giving

Christmas

Month

Jan

Feb

Mar

Apr

May

Jun

Jul

Aug

Sep

Oct

Nov

Dec