

## DEMO2002 W2 Tutorial

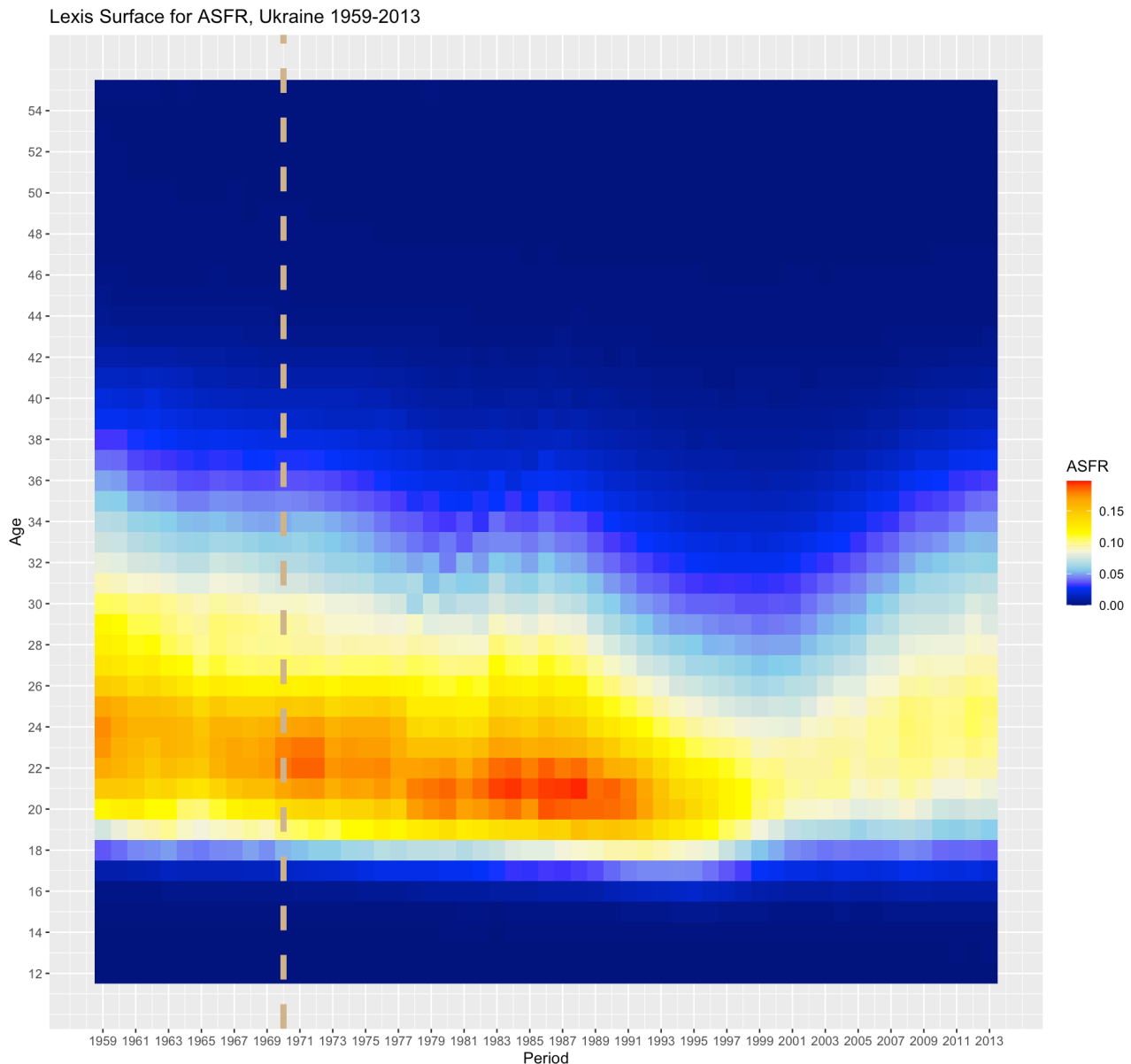


Figure 1. Lexis Surface for Age-Specific Fertility Rates, Ukraine 1959-2013

**Source:** <https://www.humanfertility.org/Country/Country?cntr=UKR#age>

Figure 1 displays a visualization of age-specific fertility rates in Ukraine over the period of 1959-2013 (age in completed years). There is a dashed vertical line indicating the year 1970 due to the warning that, due to “quality problems”, data prior to 1970 should be “used with extra caution”. The fertility rates were in slight decline from the 1960-80s. Then, a steep drop in fertility was observed in the early 1990s, only later recovering after the 2000s. The maximum ASFR observed by the data was 0.19764 in 1988, whereas the maximum ASFR recorded in 2000 was 0.10233. Researchers have attributed Ukraine’s fertility trends to deteriorating economic conditions, changes in social values, and existential uncertainty within politically tumultuous environments.