Suicide in the US Vasiliy Usenko &

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Rationale

The United States is

more religious than Europe

Rationale

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- more religious than Europe
- religiously diverse

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- abundant with good-quality data

Previous Research

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- suicide in Dniepropetrovsk

Relatively small subpopulations can affect general statistics.

Data

county-level aggregate data, 2000-2006

- Suicide Death Rates per 100,000 Population
- All Races and Ethnicities, Both Sexes, All Ages, All Injuries
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- dependent: age-adjusted suicide rate in the county
- independent: percentage of major religions in the county

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There are too many, there is a need to collapse them into a limited number of meaningful categories.

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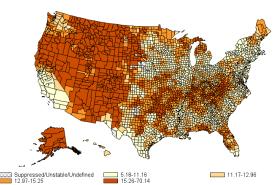
- A variety of classifications is available
- Glenmary Research Center
- Own classification

Data sources

- Office of Statistics & Programming, National Center for Injury Prevention & Control, CDC
- Religious Congregations and Membership in the United States 2000. Glenmary Research Center Nashville. Tennessee.
- Demographic controls: US Census 2000 Summary Files.

A glimpse at the dependent variable

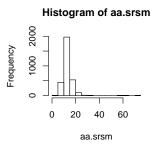




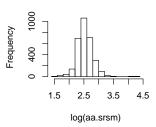
Reports for All Ages include those of unknown age.

*Rates based on 20 of retwer death may be unstable. These rates are suppressed for counties (see legend above); such rates in the title have an asterisk.
The standard population for age-adjustment represents the year (2000, all races, both sexes.
Rates appearance in this map have been epospatially smoothed.

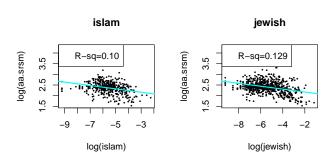
Another loook at the DP



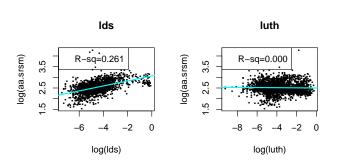
Histogram of log(aa.srsm)



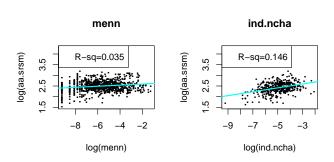
Some older religions



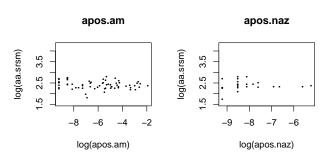
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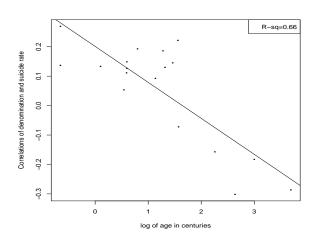
Some other religions



Some scarce religions



18 groups, range(n)=(297, 1711)



Robustness checks

Regress log suicide rate

- log population density
- log death rate
- logit sectP and logit sectN
- LDS and LDS-squared

All items are very significant (except sectN) and $R^2 = 0.495$

Robustness checks II

- remove SectN
- add log share minorities
- add lattitude and longitude

A very large R^2 and robust effects of sects

Discussion

- cultural evolution thesis
- rationalization

Durkheim's book describes a special case of a more general phenomenon.

More data and correlations

US Religious landscape survey (Pew 2007)

- a very large sample
- a detailed list of denominations
- a large inventory of beliefs

High correlations of suicide rate and denomination on the one hand with percentage believing in life after death (0.504) and in importance of proselitism (0.652).