

Suicide, death and politics

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December 11, 2019

Global death rates and causes

- visualisations

- Government party

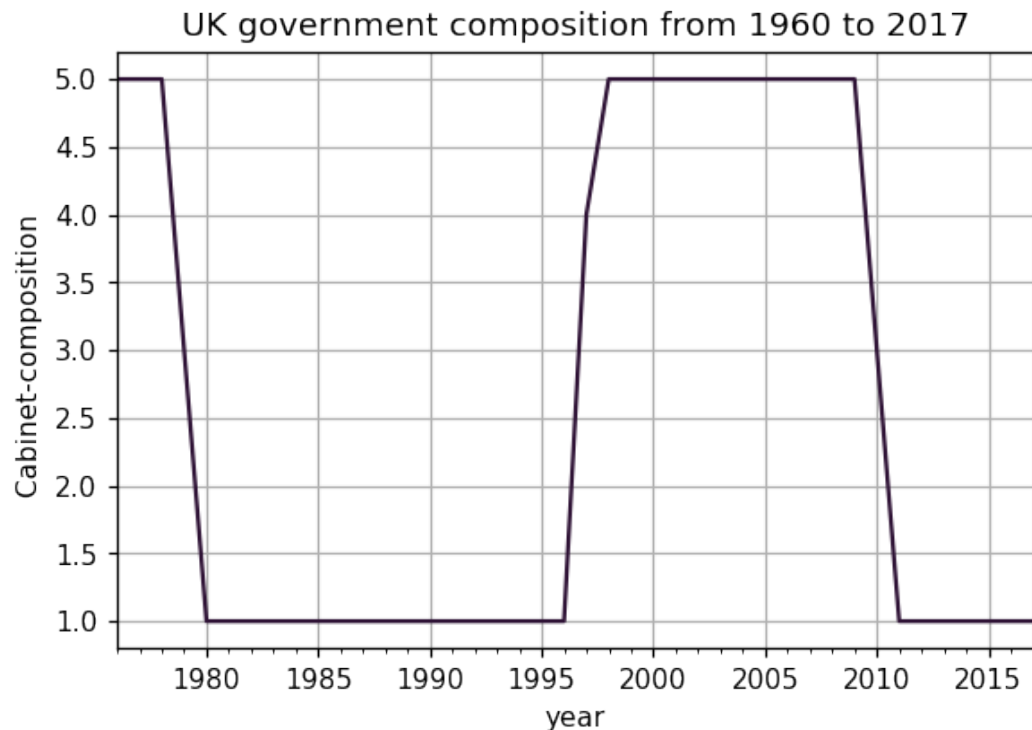
- * Definition of variable gov_{party} :

- Cabinet composition (Schmidt-Index): (1) hegemony of right-wing (and centre) parties ($gov_{left1}=0$), (2) dominance of right-wing (and centre) parties ($0 < gov_{left1} \leq 33.33$), (3) balance of power between left and right ($33.33 < gov_{left1} < 66.67$), (4) dominance of social-democratic and other left parties ($66.67 \leq gov_{left1} < 100$), (5) hegemony of social-democratic and other left parties ($gov_{left1}=100$).

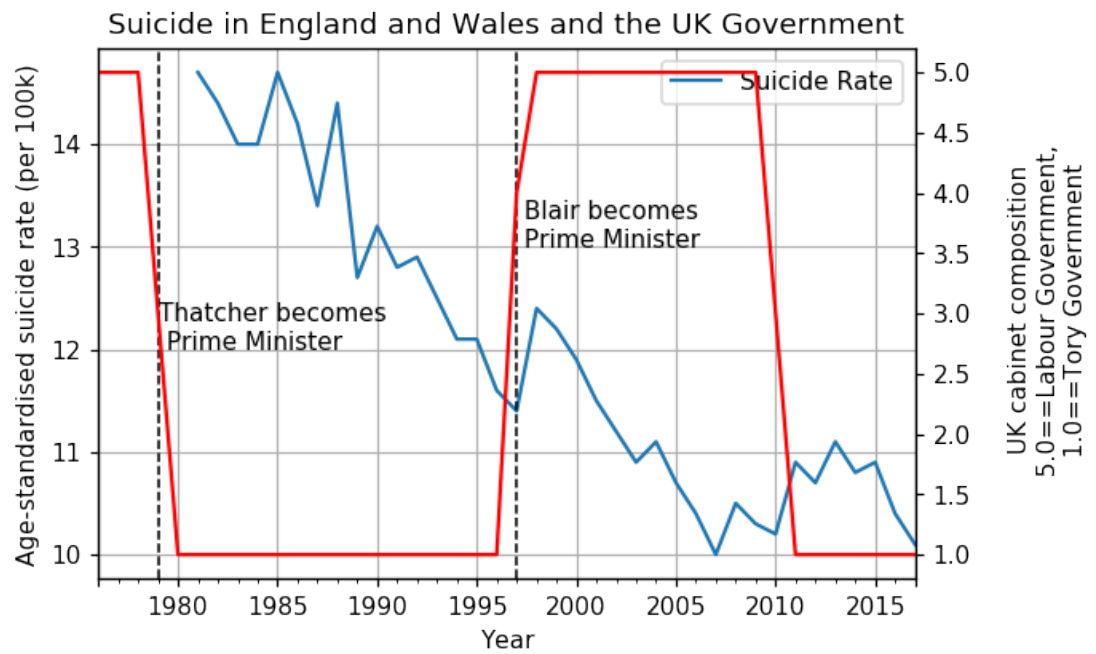
- Period covered: 1960-2017.

- Missing: Bulgaria 1993/94, Italy 2012, Romania 2015/16 (full technocratic governments, Partisan caretaker governments).

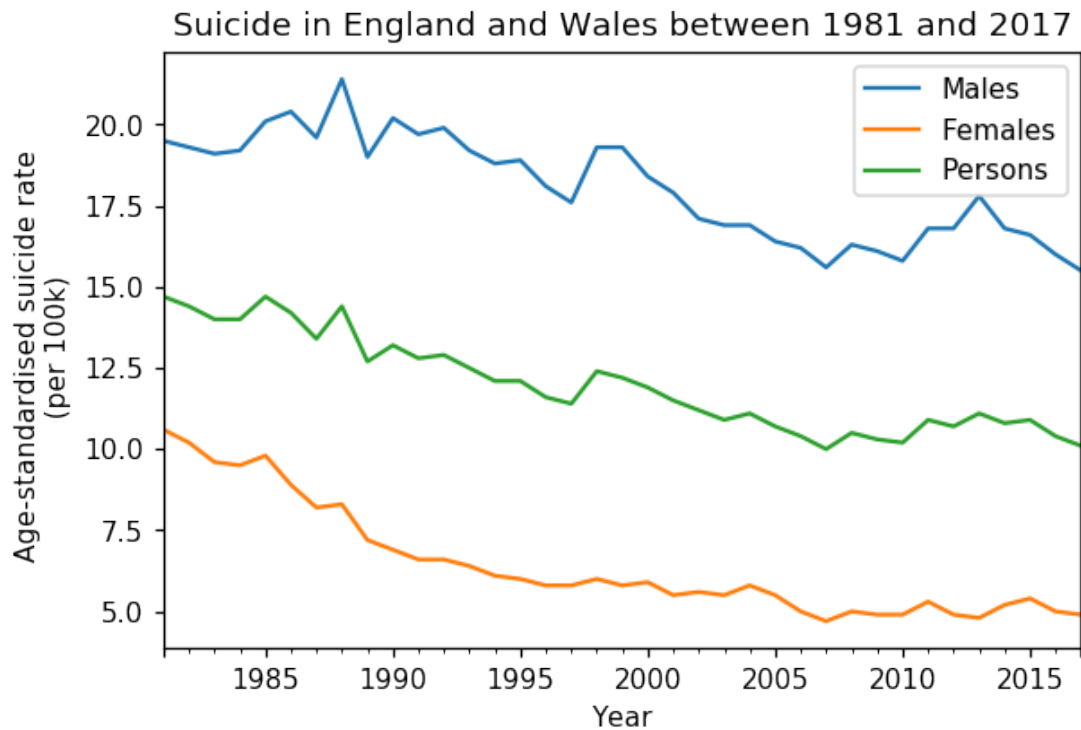
- Source: Own calculations according to Schmidt (1992).



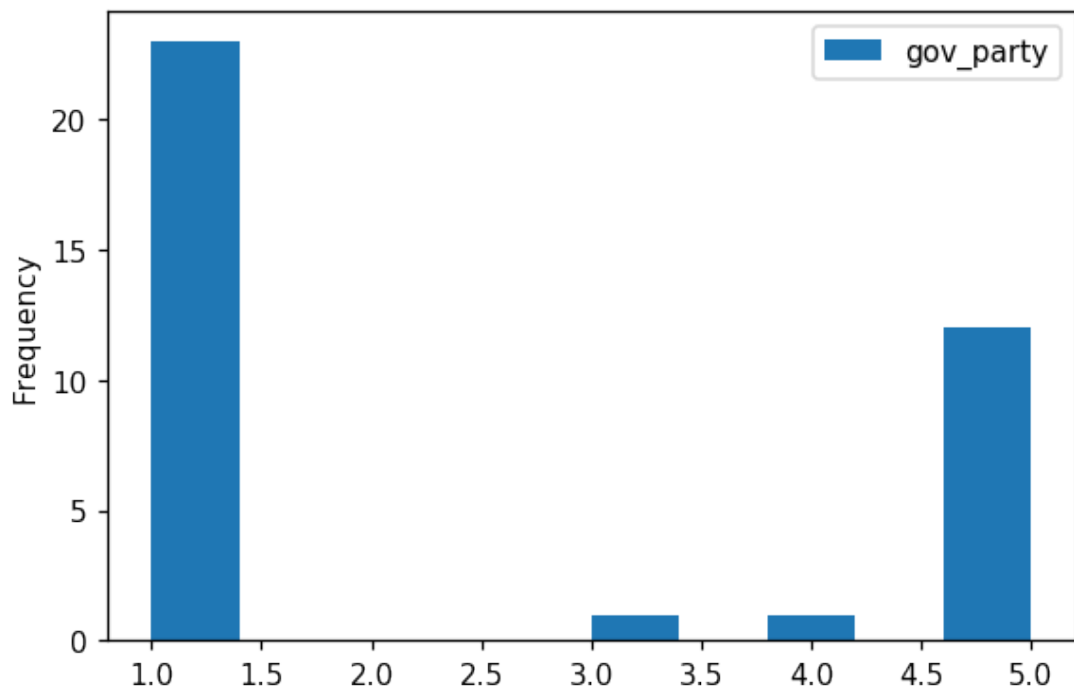
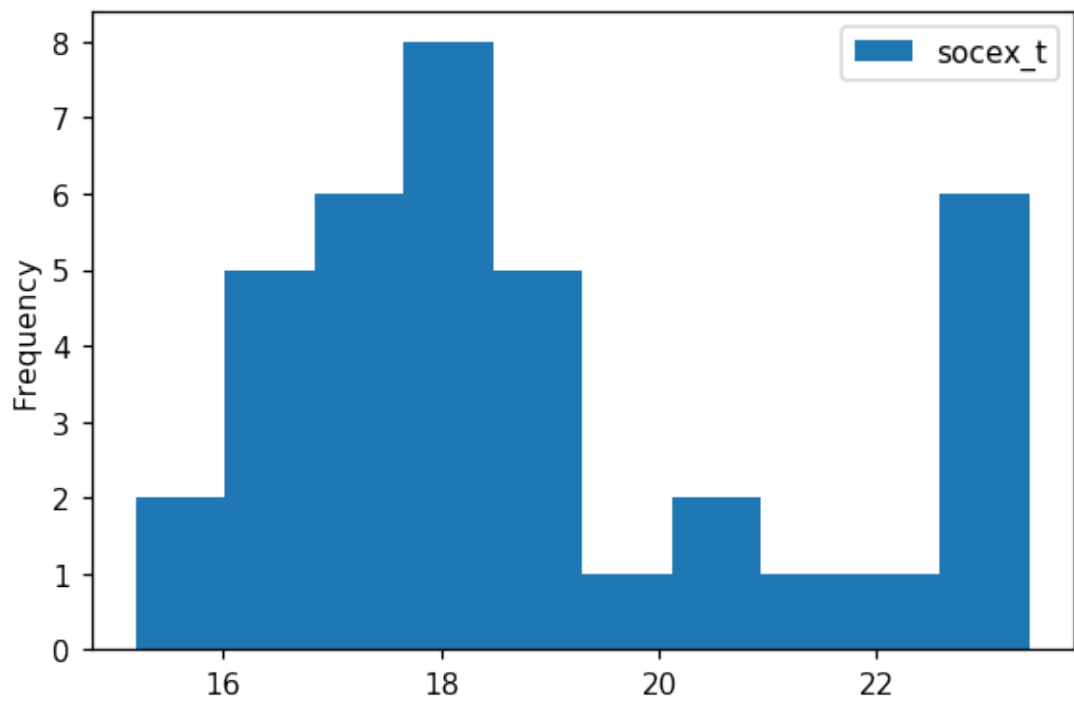
- Suicides in England and Wales since 1981 ref: ons suicides uk



	year	socex_t	Persons	Males	Females	gov_party
0	1981	17.09	14.7	19.5	10.6	1
1	1982	17.55	14.4	19.3	10.2	1
2	1983	18.33	14.0	19.1	9.6	1
3	1984	18.26	14.0	19.2	9.5	1
4	1985	18.40	14.7	20.1	9.8	1

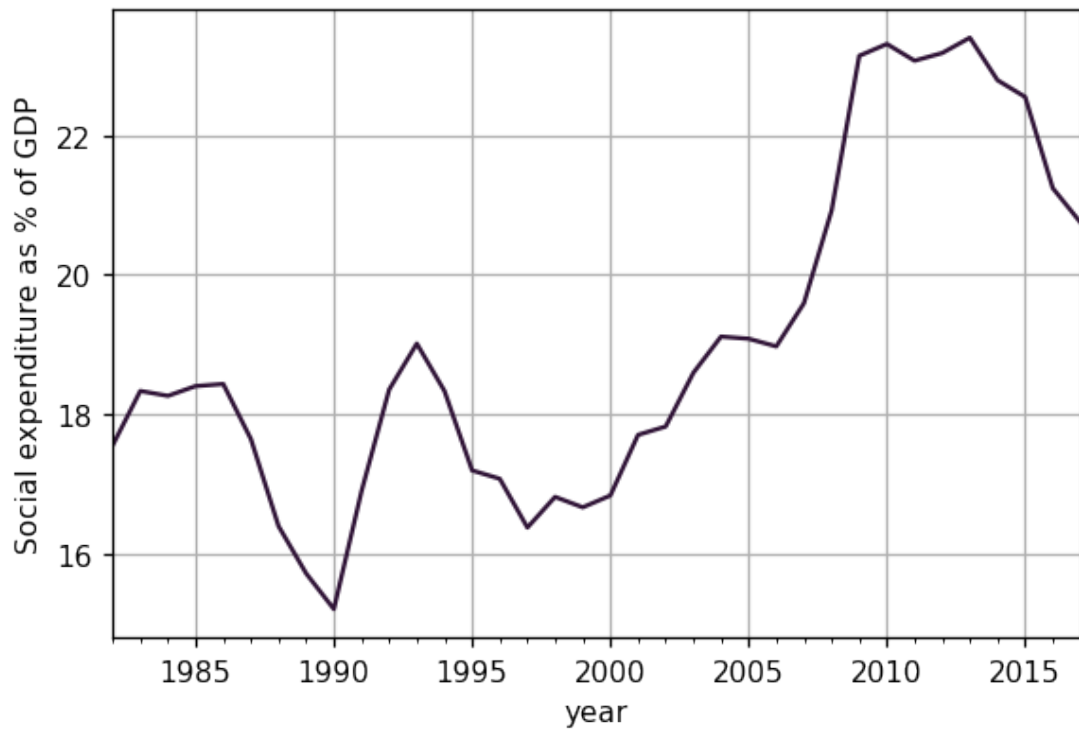


– Social spending and government composition histograms



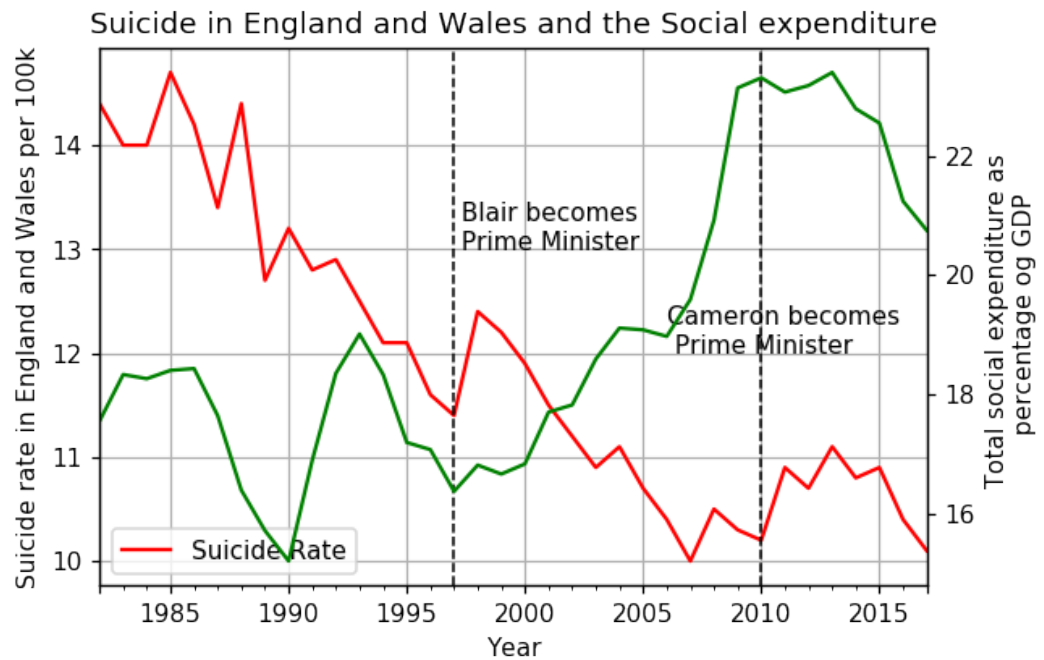
– Total public and mandatory private social expenditure as a percentage of GDP

Total social expenditure as a percentage of GDP
from 1981 to 2017

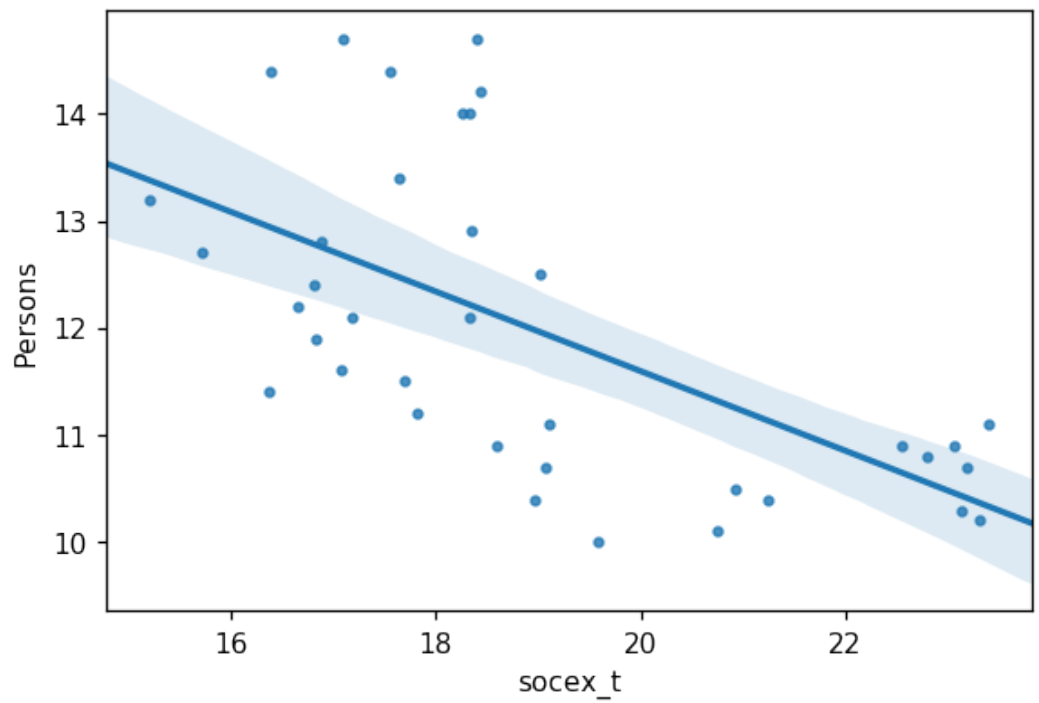


– Social expenditure vs suicide

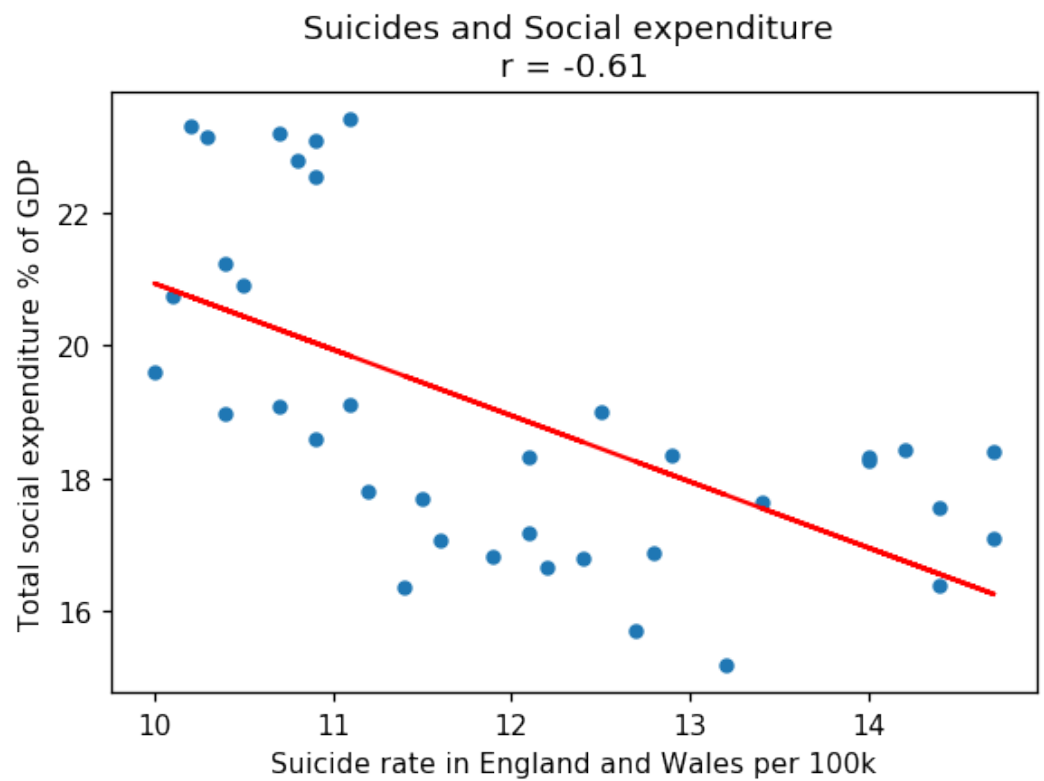
* Side by side



* Correlation



```
axes = pd.plotting.scatter_matrix(df3, alpha=0.5, diagonal='kde',
figsize=(9, 6.5), range_padding=0.22)
plt.show()
```



- Idea: data on politics throughout history compared with deaths
<https://cpds-data.org/index.php/data>

Individual project write up:

- Research Topic: Is there a statistical relationship between the ideological position of the UK government and the number of deaths due to various causes?
 - How influential is politics on deaths in the uk? Is it more affected by other factors (what?)?
 - Politics and mortality rates.
 - * References??
 - * Important concepts??
 - Data sets:
 - * <https://www.cpbs-data.org/index.php/data>
 - * <http://ghdx.healthdata.org/gbd-results-tool>
 - * Format? data cleaning/preprocessing?

References

<https://academic.oup.com/ije/article/39/6/1464/736597#supplementary-data>

References