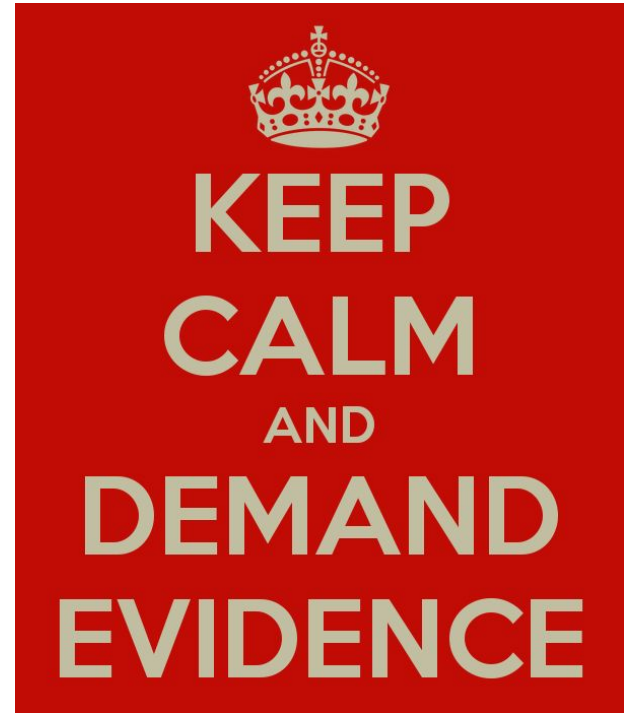


Is there evidence for evidence-based policy-making?

Vicky Clayton



Are parliamentary debates using more evidence?

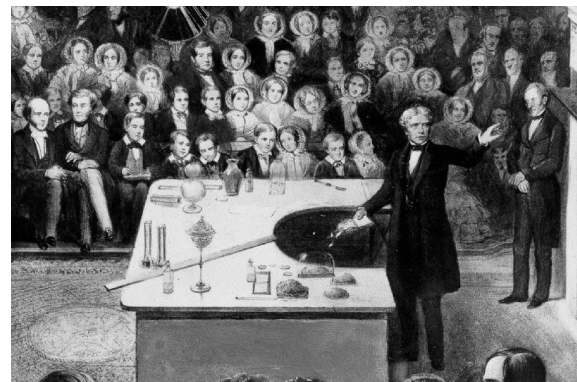


C.800k speeches from 2000 - 2018

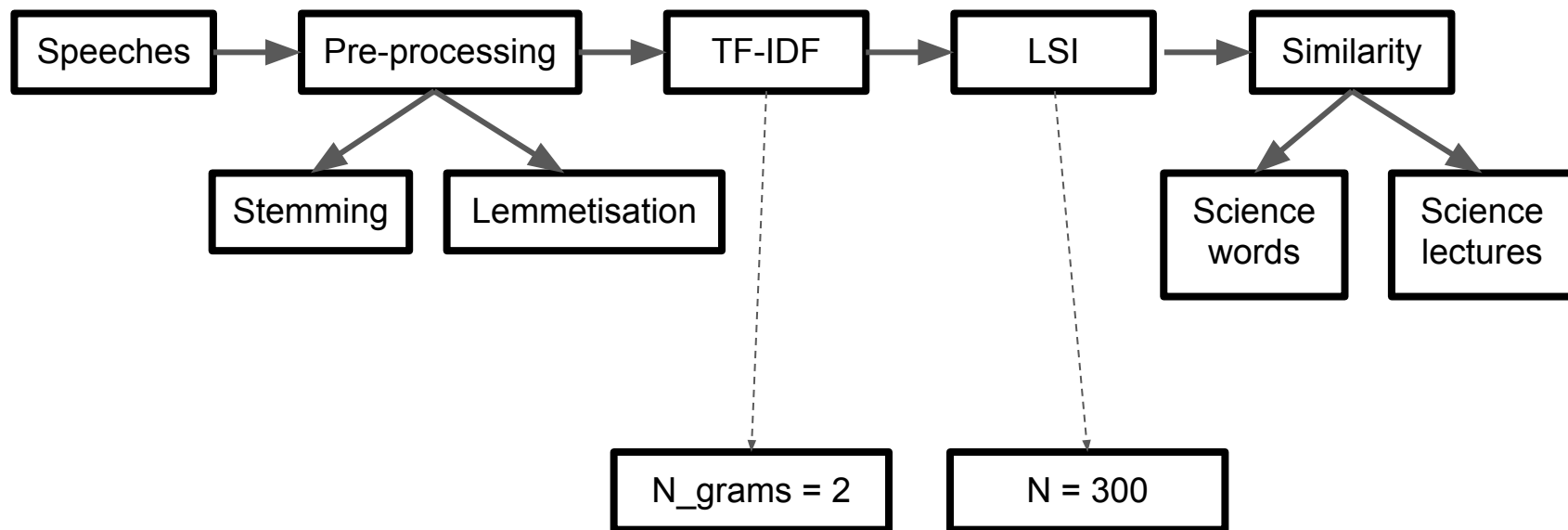
vs

evidence study statistics research
data expert science clinical trial
significant average proportion
cause probability frequency
distribution mode ratio sample

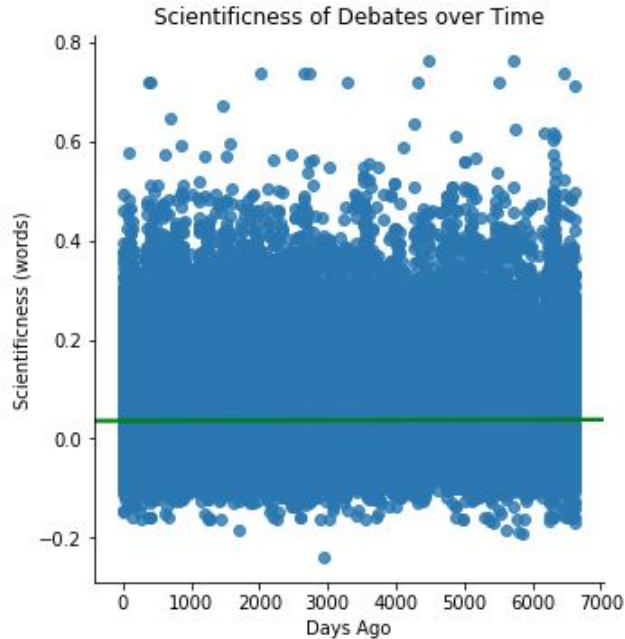
vs



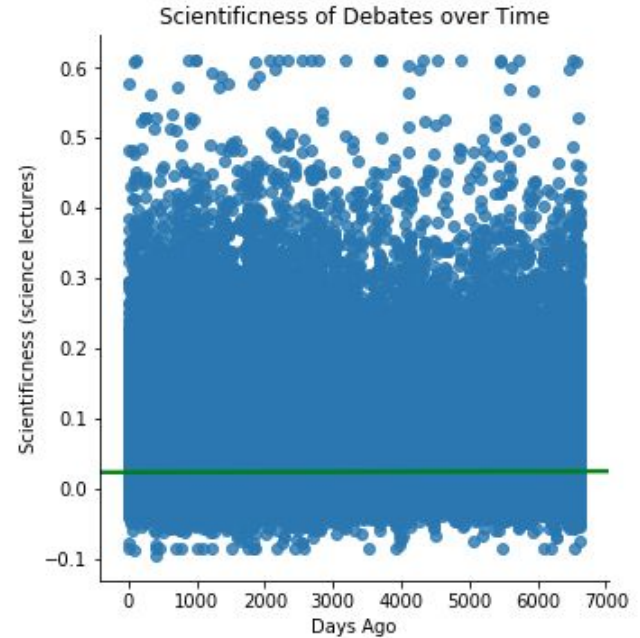
Method



Debates are getting marginally less evidence-based...



Corr = 0.01***

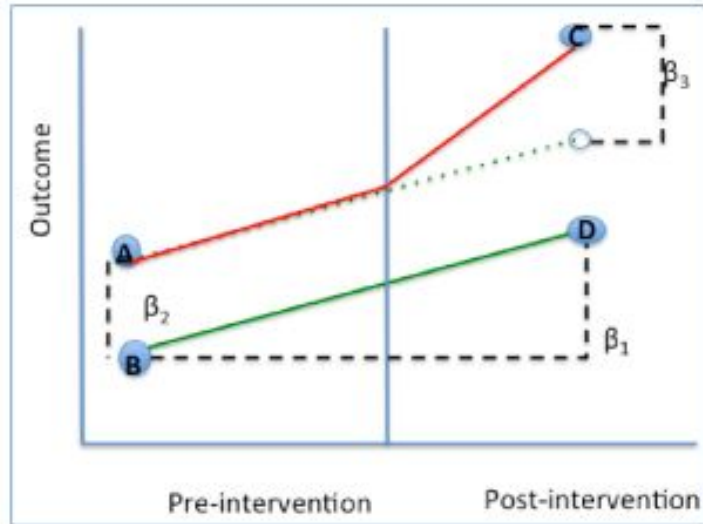


Corr = 0.01***

In 2011, EEF was set up to provide evidence for education....



This made education speeches worse!



	coef	std err	t	P> t	[0.025	0.975]
Education	0.0319	0.000	122.502	0.000	0.031	0.032
Time	0.0236	0.000	223.699	0.000	0.023	0.024
educ_time	-0.0211	0.000	-54.737	0.000	-0.022	-0.020
Omnibus:	374577.679	Durbin-Watson:	1.469			
Prob(Omnibus):	0.000	Jarque-Bera (JB):	9263774.896			
Skew:	3.139	Prob(JB):	0.00			
Kurtosis:	22.546	Cond. No.	4.54			

$$Y = \beta_0 + \beta_1[\text{Time}] + \beta_2[\text{Education}] + \beta_3[\text{Education} \times \text{Intervention}] + \varepsilon$$

I recommend choosing these evidence-based MPs
as “evidence champions”

Joan Ruddock



Angela Eagle



In conclusion:

- Generally, policy has got less evidence-based between 2000 and 2018
- Engage with evidence champions



As an extension...

- Experiment with what I'm comparing to
- Party and key figures
- More evidence-based for specific topics e.g. Brexit?

