

E-PetitionViz: visualizing e-petitions and constituency data

Ahmed T. Hammad

Since its creation in 2015, the UK Parliament's e-petitions platform has received over 30 thousand petitions from the public varying from crime to health services. Currently, the petitions data is not linked with the wealth of additional information (e.g. average income, demographics, election outcomes etc.) available for constituencies from official government sources.

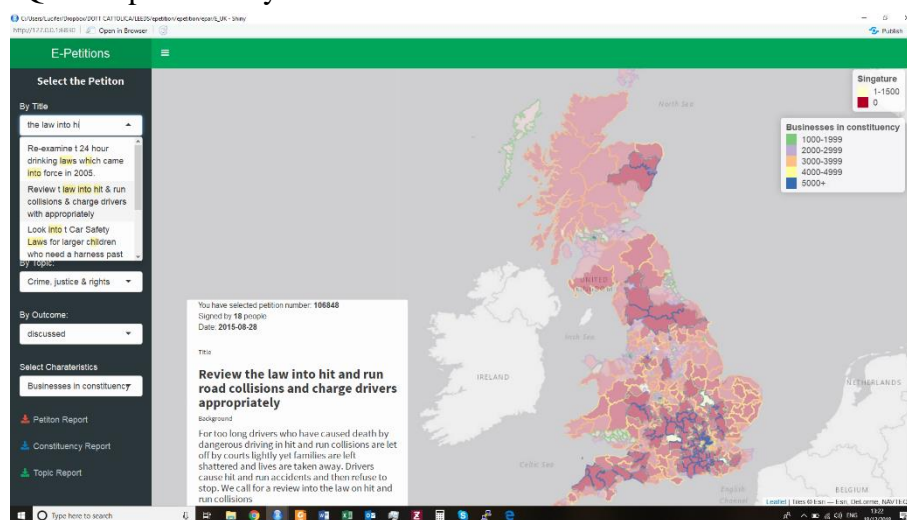
Here I suggest a tool that integrates this information in a meaningful and visually accessible way and that allows practitioners to make the best use of existing information.

What it is:

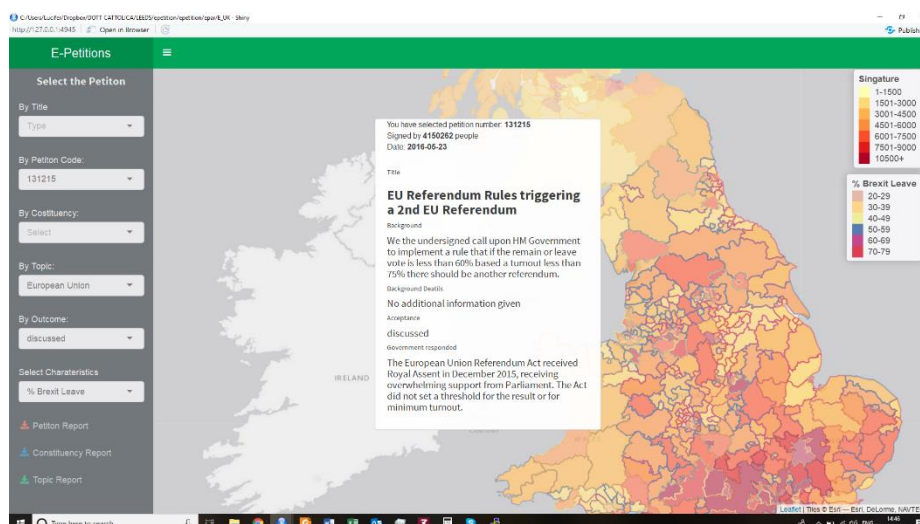
E-PetitionViz is a visualisation tool to integrate in real time e-petition data and external demographic, socio-economic and political data. It allows to explore to what extent various constituencies are engaged with various types of e-petitions in terms of signatures and to understand whether certain constituencies characteristics (e.g. affluent vs. deprived) are mirrored in the e-petitions (topics, successful vs. unsuccessful).

What it does:

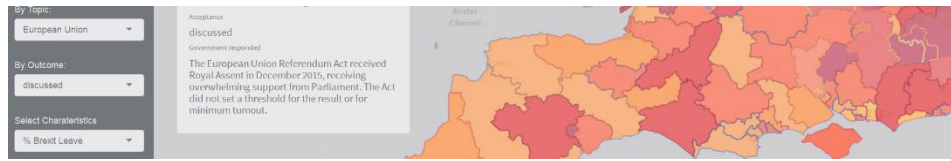
- Queries petitions by title and code



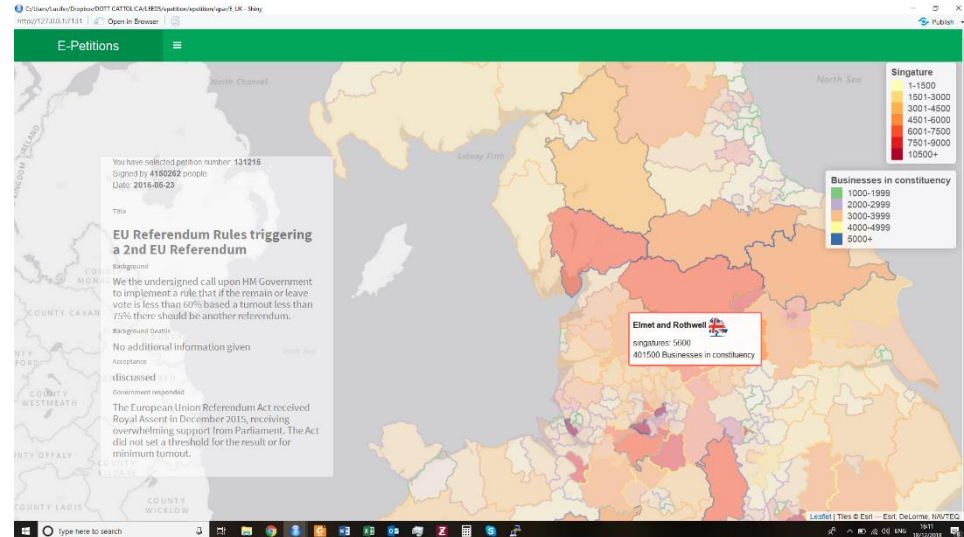
- Details of the petition



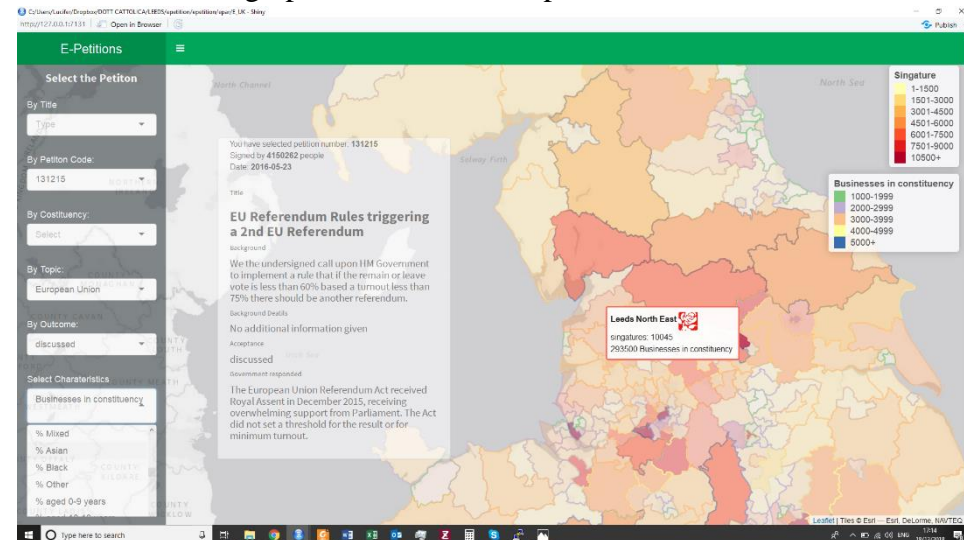
- Select by government response and topic



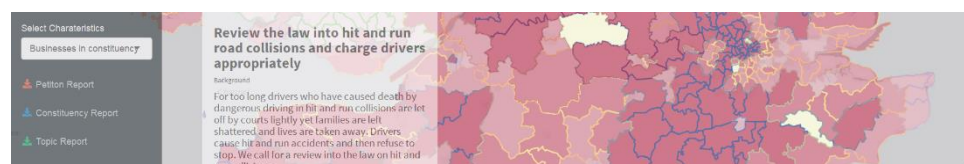
- Visualise number of signatures for each constituency for the selected petition



- Visualise demographic, economic and political variables for each constituency



- Download report on petition, topic, constituency



Who can use it:

- Parliamentary staff
- Policy makers
- General public

- Academics

List of current data available:

- country of birth
- ethnic group
- population structure
- business numbers
- housing status
- wages
- parliament election result
- EU referendum result

Additional screenshots:

