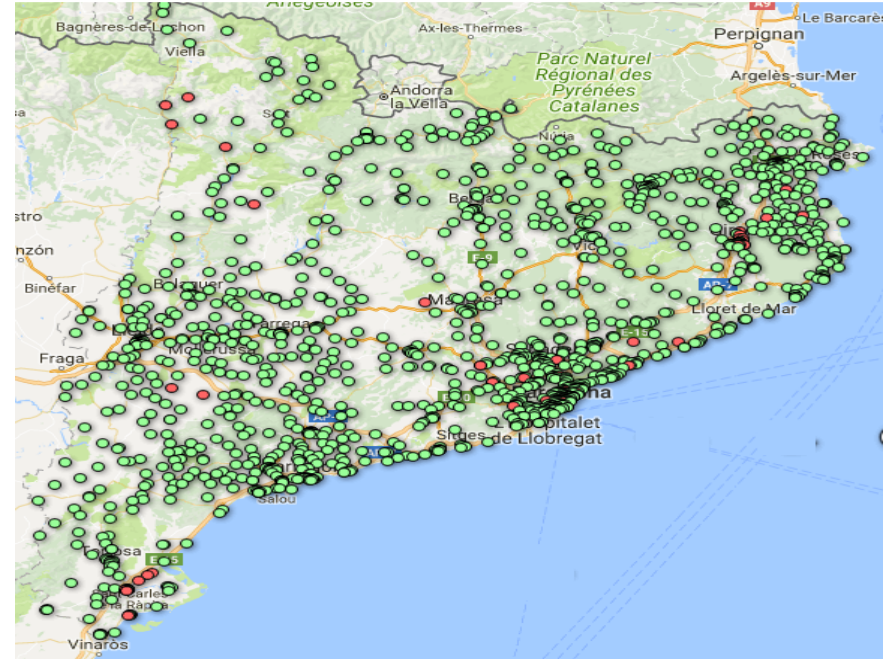


Where to vote homepage in the Catalan referendum

Where to vote?

- Web to find polling station
- Census of 5.3 million voters
- 1000+ polling stations
- It was foreseen that the official homepage will be blocked
- Website must be easily clone-able



<https://www.vilaweb.cat/noticies/referendum-1-octubre-1o-votacio-cens-electoral-guia-meses-participacio/>

Where to vote?



Generalitat de Catalunya
gencat.cat

Català Castellano Aranés English

Referèndum 2017

Home

Referendum Regulations

Electoral comissions

Press Room

How to Vote

Where to Vote



Where do I have to vote?

DNI:

Date of birth:

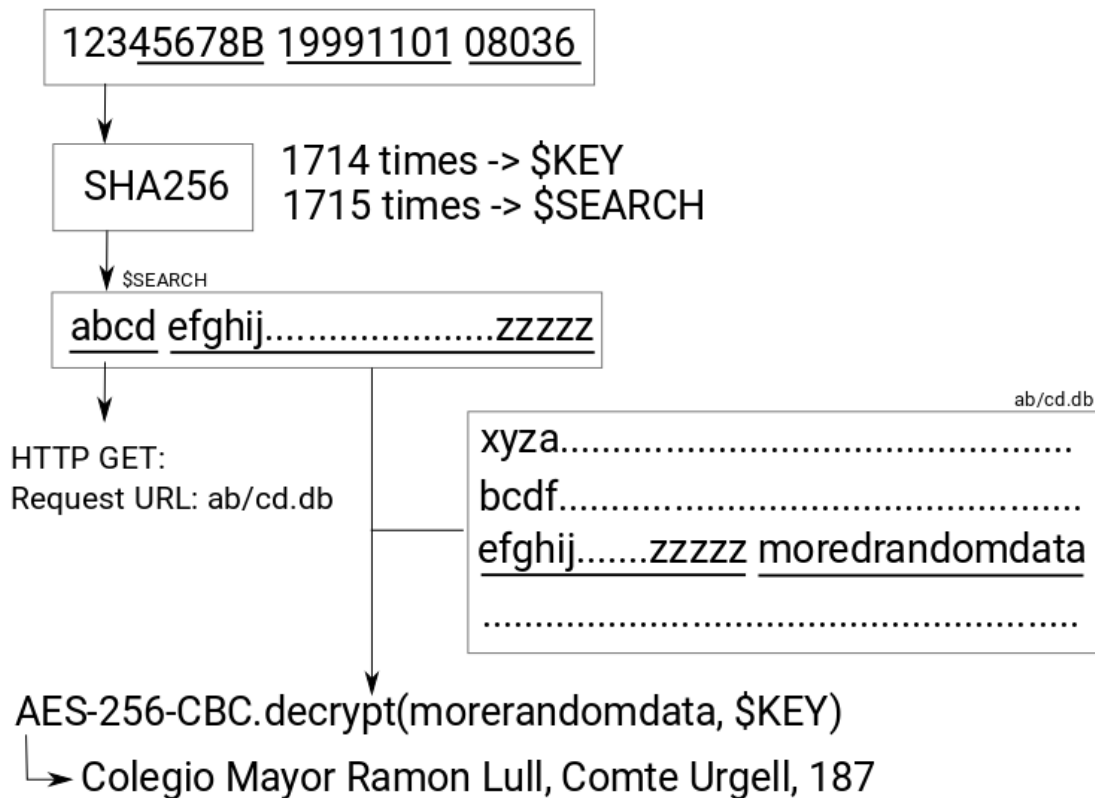
/

/

Postcode:

Find your polling station

Frontend is the backend



Is this secure?

- Brute force attack possible
- Dates and post codes allows to group for divide-and-conquer
- Letter in DNI works as a checksum → ~43 different DNIs

Conclusion

- It's possible to get a reduced number of DNIs per post code and birth of date
- How valid is the data obtained?
- Alternatives like adding a salt is not feasible
- Heavy lifting done by client, some mitigation against DDOS
- Website is easily clone able
- Any ideas?

Links

Info

<https://twitter.com/slp1605/status/915690932657442816>

<https://hackernoon.com/is-sensitive-voter-data-being-exposed-by-the-catalan-government-af9d8a909482>

<http://la3.org/~kilburn/blog/catalan-government-bypass-ipfs/>

<http://www.entreddevyops.es/posts/referendum-votar.html>

Mirror

<https://wikileaks.org/mirrors/catref/en/where-to-vote/index.html>