

# Data Journalism Portfolio – Tom Saunders

## **Trump's Tweets ([link](#)) ([code](#))**

**January 2021**

I built an interactive, scrolling visualisation of all of Donald Trump's tweets over the last four years. I paired this with a tooltip which dynamically formats Trump's tweets as they would have appeared on his timeline.

**Languages used:** D3js, jQuery, CSS, HTML

## **What happened to US Treasuries in March? ([link](#)) ([code](#))**

**December 2020**

Using d3js and jQuery to build a scroll-anchored framework, I designed this piece to demonstrate how complex financial concepts can be communicated to diverse audiences through interactive storytelling.

**Languages used:** D3js, jQuery, CSS, HTML

## **2020 Election Forecast ([link](#)) ([code](#))**

**November 2020**

After my placements at The Times, The Telegraph and INews were postponed due to COVID-19, I spent my time building an election model. The model was an implementation of [Drew Linzer's 2008 paper](#) on the subject, with correlated priors. Overall, my model [only predicted](#) one less state than the models from The Economist and FiveThirtyEight.

**Languages used:** D3js, jQuery, CSS, HTML (Visualisation), Stan + R (Model)

## **COVID-19 Test Tracker ([code](#))**

**May 2020**

I built this tracker using Selenium, RegEx and Pandas to scrape government websites for testing numbers. It was listed as an internal data source by The Financial Times for a while but is currently unmaintained due to other commitments taking priority.

**Languages used:** Python (Selenium + Pandas)

## **A Study of Twitter ([link](#)) ([code](#))**

**April 2020**

I used the Twitter API to monitor the tweets and followers/friends of accounts considered 'political influencers' in the UK. I then used network analysis through Gephi to uncover the particular communities within political Twitter. I also used Facebook's Machine Learning library, Fasttext, to analyse the sentiment of each tweet, which I used to chart the divisiveness of particular topics.

**Languages used:** Gephi, Python (back-end), CSS + HTML + jQuery, Plotly Dash (Visualisation)

## **Chexit.co.uk ([link](#)) ([code](#))**

**September 2019**

During the Brexit saga, I designed this database of every MP's vote on over 50 different Brexit divisions. The back-end was built using MySQL and PHP and it was highly commended by journalists such as Henry Zeffman and Sam Coates. It was also featured on the Twitter account of Our Future Our Choice, a Pro-EU youth group.

**Languages used:** PHP + MySQL, Ajax, JavaScript, CSS + HTML

## **Sexual Misconduct at Durham University (Investigation) ([link](#))**

**October 2020**

I led an investigation at The Monocle, a student paper I founded at Durham university, where I sent FOI requests to every Russell Group university to investigate how each university deals with cases of sexual misconduct. I discovered that at Durham University, 44% of accused parties in cases of sexual misconduct or violence left the university before their hearing.