

Dear Nottinghamshire County Council,

We are submitting the following Freedom of Information Request for documents relating to uses of data analytics, predictive analytics, or algorithmic automated systems used for risk assessment, scoring systems or automated decision making within the jurisdiction of your authority. This could include the use of these data systems in order to draw insights from large and integrated datasets, or to influence decisions about resources, funding or service delivery. This could include, but may not be limited to, uses of predictive analytics in child welfare, health care, adult social care, fraud detection, or policing.

Specifically, we are requesting:

- Any briefing notes, reports, evaluations, or summaries concerning uses of algorithmically driven data systems. Ideally this would include information about software, hardware, operations and types of data
- Any overviews about how system outputs are produced.
- Any training manuals or materials (e.g. slides, etc.) for staff about data collection, analysis, assessment and reporting as related to the use of the systems.
- Any impact assessments
- Any data visualisation outputs connected to the systems.
- Any promotional material, presentation material, or staff educational material related to the systems.
- Any contracts relating to the systems. We argue that the release of contracts does not compromise commercial sensitivity. The full argument is provided below

Dear Requester,

Thank you for your recent Freedom of Information Request.

I am now able to provide you with the information supplied by the relevant department, as follows:

Within Public Health there is an analysis team.

We do not do any strict predictive analytics on big data that lead to automated decisions.

However we do many forms of data analysis with the aim to aid and inform the decision making processes within our organisation which involve people considering information rather automatic algorithms.

Examples of data analysis we have undertaken in public health include:

- hospital admissions for unintentional injuries
- population segmentation with MOSIAC data to understand spatial distribution of risk of alcohol harm

- spatial analysis combining populations and locations of maternity services
- use of routinely available indicator measures from PHE fingertips for monitoring and identifying work areas to focus on
- modelling to understand patient flows for various service reconfigurations regarding obesity pathways.

Software we use include Microsoft Office, QGIS, RStudio, R, Microsoft SQL Server, Scenario Generator.

Examples where this work has been documented and published can be found on the Nottinghamshire Insight website, a resource used for many pieces of information that we have contributed to.

References to datasets and tools:

HES: <https://digital.nhs.uk/data-and-information/data-tools-and-services/data-services/hospital-episode-statistics>

MOSAIC: <https://www.edq.com/uk/resources/product-brochures/experian-mosaic-public-sector/>

PHE Fingertips: <https://fingertips.phe.org.uk/> Spatial Analysis (QGIS tool):

<https://www.qgis.org/en/site/> / Scenario Generator:

<https://www.simul8healthcare.com/products/scenario-generator>

RStudio: <https://www.rstudio.com/>

R: <https://cran.r-project.org/>

Nottinghamshire Insight: <http://www.nottinghamshireinsight.org.uk/>

Response from Data Performance, Intelligence and Policy:

We have concluded that we do not employ automated decision making.

Rather, like public health, we undertake data analysis and modelling using primarily MS related tools.

I hope this now satisfies your request, and should you have any further enquiries please do not hesitate to contact me directly on the details below.

In addition to this and for future reference Nottingham County Council regularly publishes previous FOIR,s and answers on its website, under Disclosure logs. (see link)

<http://site.nottinghamshire.gov.uk/thecouncil/democracy/freedom-of-information/disclosure-log/>

You can use the search facility using keywords.

If you wish to raise any concerns about the way your request was dealt with, then please write to the Team Manager, Complaints and Information, County Hall, West Bridgford, Nottingham, NG2 7QP or e-mail [foi@nottsc.gov.uk](mailto:foi@nottsc.gov.uk) quoting the reference number above.

Kind Regards

Complaints, Information & Mediation Officer.

Complaints and Information Team

Chief Executive's Dept

Nottinghamshire County Council

County Hall, West Bridgford, Nottingham, NG2 7QP