DATA
PEOPLE
ACTION

essex centre for data analytics

Data declaration
Data masterclass

ESSEX CENTRE FOR DATA ANALYTICS

PARTNERSHIP VENTURE BETWEEN ESSEX COUNTY COUNCIL, ESSEX POLICE AND UNIVERSITY OF ESSEX THAT SEEKS TO PROMOTE THE USE OF DATA SHARING AND ANALYTICS TO IMPROVE OUTCOMES FOR LOCAL PEOPLE

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- **Sharing** data with our partners in safe, secure and ethical ways and deploying best practice analytics and data science that generates new insights to shared challenges

- **Building** capability and capacity, connecting people together, sharing skills, knowledge and expertise, implementing best practice frameworks

- **Fostering** a culture that enables partners to treat data as an asset, prioritising the data literacy learning agenda and creating a positive data ecosystem to support effective evidence-based decision making and published research

Supporting partners to deliver positive impact and outcomes

NEW OPERATING MODEL

MAXIMISING PARTNER OPPORTUNITIES, INTEREST, COMMITMENT AND ASSETS

ACCELERANTS

Network diversification of BPOTE & Data leads forum

Data Asset map

Partnership Analytics projects roadmap

Data Masterclass for leaders

Data Declaration signed by all public sector orgs

Best practice guidance – legal, ethical, robust

Population Health Management (ECC & ICS's)

Inequalities on waiting list (MSE & ECC), Demand and capacity modelling (SNEE & ECC)

Levelling up – Low Income Family Tracker Tool (ECC / Districts)

Wider determinates of health (ECC / ICS's)

Supporting projects partners wants to deliver

Domestic abuse (ECC, Essex Police, SET DAB)

Safeguarding ((ECC, Essex Police)

Vulnerabilities matrix (ECC, Education, YOS, Essex Police)

Information Sharing to Tackle Violence (Essex Police, Hospital Trusts)

ACCELERANTS

Thematic Data sharing agreements

Impact framework and KPI's

Secondment / analyst exchange programme

Host Innovation labs / hackathons

Data Ethics Committee

Data first contracts

Supporting partners to deliver positive impact and outcomes

WHY A DECLARATION

CAN I AND SHOULD MY ORGANISATION SIGN UP?

1 **OUR DUTY**

> We are committed to delivering the best possible public services to those who live, work and study in the area, supporting the people of Greater Essex in fulfilling their potential and keeping the community safe

> We also have a duty to those who fund public services to provide services that deliver value for money.

2 **OUR ROLE**

> We recognise that to deliver on these commitments, we must make the best use of all our assets, and this includes data. The data we hold is a key asset, providing essential information about people, communities, businesses, the economy and the environment.

> By treating our data well, ensuring we collect what is of value and using appropriate methods, we can generate "social value" from these data assets. Treating our data as an asset our alongside deploying appropriate analytical methods is key to improving decision making and can help us lead to improved outcomes for the people of Essex.

3 **OUR CHALLENGES**

> We know that many of the challenges for Greater Essex, including recovering from the Covid-19 pandemic, levelling up our communities, community safety and tackling climate change can only be met by working across organisational boundaries. Sharing data, insight and knowledge is an important part of working across these boundaries, to harness the power of the data held within our organisations.

> But we recognise the importance of using data responsibly, transparently, and securely and in doing so we will maintain the confidence of our residents in our use of their data.

Be part of the equation

DATA + PEOPLE + ACTION ecda

OUR STATEMENTS OF INTENT

THEMES AND COMMITMENTS

Championing the use of data and analytics	Building data literacy and Capability	Adopting Data Integrity and Data Security standards	Embracing the use of Sharing Data	Acting in Ethical and Transparent ways
We will champion the use of data and analytics that enables better decision making to improve the lives of Essex residents. Role modelling behaviours that support the increased use of data and analytics for decision making by increasing our data literacy, being open minded, curious, and asking good questions.	We will support analysts in our organisations to develop analytical skills and knowledge and support all staff in developing their understanding and awareness for data and analytics. Maximize the power data & analytics can bring by embracing a data literacy learning agenda and equipping staff with the skills to create and foster a data culture that drives confidence in how we make evidenced based decisions	We will ensure the data we collect, process and maintain data that is safe and secure at all times and have process that ensure we hold good quality data. This includes working to improve the accuracy, completeness, and consistency of our data. We are GDPR compliant, protecting the data we hold and handling personal data as defined in the law.	We will work to make data held within our organisations available to partners for clear purposes and public benefit so that data sharing becomes the norm not the exception. Using Information Governance as an enabler to facilitate the linking of data sets and break down organisational barriers to which allows data to be shared and used in a timely and efficient way.	We will ensure that all use of data and analytics is within both the law and ethical principles, adopting ethical considerations for the application of analytics & data science, ensuring that it is applied for social good. Being appropriately transparent in our use of this to show we have nothing to hide and build trust. Communicating our commitment to the use of data to our residents and evaluate the difference it has made.

Be part of the equation

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ORGANISATIONS SIGNED UP

COMMITMENTS

Be part of the equation

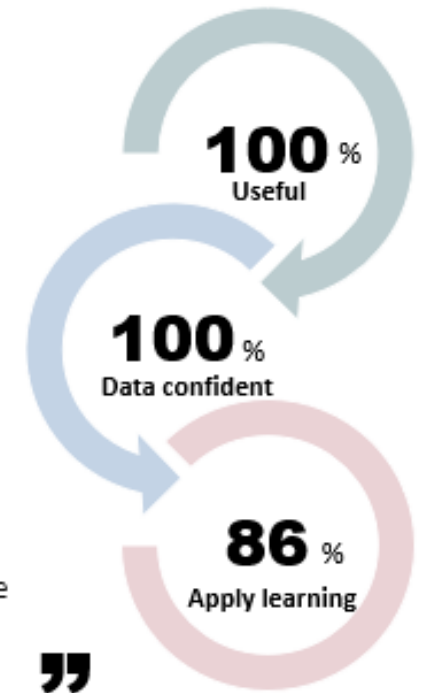**DATA + PEOPLE + ACTION** ecda

DATA MASTERCLASS
IN PARTNERSHIP WITH ONS DATA SCIENCE CAMPUS

Data Science Campus

- Masterclass created in 2021
- Over 3,000 learners so far
- Senior Civil Servants and leadership programme participants
- Essex first area to engage with the Masterclass as a wider public sector with over 80 leaders completed

Understand
Understand data and what it represents

" Understanding how I could use data was extremely beneficial for me. It made me understand how to improve better data quality and to question the data I consume to make for stronger policymaking.

Engage with
Manipulate, dig into, compare

I spotted a great opportunity to use data coming from Care Technology and overlay with existing data sets to identify trends.

Critical thinking
Question, triangulate, discover, rationalise

Extremely useful course. Gave clarity and examples of when we go seeking data to confirm biased opinions that we had formed already (without evidence).

Communicate
Report, present, describe, share

We have long talked in local government about the importance of storytelling for local leaders, and I think that the statistical story telling needs to be a key part of this "

100 % Useful

100 % Data confident

86 % Apply learning

WHAT WILL YOU GAIN

WEEK 1 DATA DRIVEN DECISION MAKING

Understand why data matters in government, how it is critical in a diverse range of scenarios and what happens when we get it wrong. Exploring some of the practical considerations of data, and hear invaluable insights from senior leaders and analysts on how they work together to put data at the heart of their decision-making

WEEK 2 COMMUNICATING AND WORKING WITH DATA

Understand how to get to the bottom of the numbers behind the headline, assess the accuracy of claims, and how to demonstrate trustworthiness in communications. Learning from others on why appropriate use and format of data in communications is critical to convey a message with clarity and build trust

WEEK 3 DATA SCIENCE AND NEW FRONTIERS

Hear about harnessing the power of data science techniques, how you can spot good opportunities to apply data science techniques to solve real challenges, and how you can be an effective leader when it comes to fostering data science projects within your department, learning from public and private sector companies at the cutting edge of applied analytics

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EXPLORATIVE JOINT MENTAL HEALTH INSIGHT

LEAD: ECC & ESSEX POLICE
SPONSOR: LUCY WIGHTMAN, DIRECTOR PH

Specific Problem

The impact of the pandemic on people's mental health is well recognised, there has been an increase in demand for support across many public sector organisations.

How can we have an intergraded approach to sharing data and insight in a safe and secure way that helps us understand and address gaps in support & provision

Defined Action

By being better informed of demand and challenges across the system, this could allow us to develop an all age MH approach and better transitional support for young people and those that escalate through intervention intensity. This could allow us to redirect targeted preventative support and help reduce demand on 999 call outs supporting delivery of the MH strategy

Partners & Enablers

- ECC
- MH trusts
- CAMS
- ICSs
- Essex Police
- Ambulance

+Thematic data sharing arrangement
+MH analyst secondment opportunity

Insights required

• Shared dataset for strategic planning, understanding of demand and impact on services. Using non-personalised data in the first instance.

• District and ward level trends in hot spots and thematic demand profile.

• Flag and trigger pathway analysis to support effective triaging and early identification of appropriate referrals

(Be part of) + the ×√equation²...

Essex Centre for Data Analytics: Celebrating a year of collaboration

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For more information visit the Future of Essex website

http://www.essexfuture.org.uk/innovation/data-and-digital/