GDS
Academy

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Introduction to Artificial Intelligence (AI) in Government

EU Ethics Guidelines

It should be lawful, complying with all applicable laws and regulations

It should be ethical, ensuring adherence to ethical principles and values

It should be robust, both from a technical and social perspective since, even with good intentions, AI systems can cause unintentional harm

Points to consider

Clarify the user need for AI

What is the availability and accuracy of the data that will be used to train the model?

What type of model will be used and how transparent is its internal operation?

The outputs of machine learning are only as good as the data put in.

Balance the accuracy of the algorithms with wider fairness and policy objectives

Consider the GDPR and your obligations to the public on the use of data.

The Toronto Declaration gives guidance on using the framework of International Human Rights law when developing AI products.

The [Government's data ethics framework](#) should be used when developing AI products.

To get started

What is the question you want to ask of your data?

Tip: Getting the question right is the most important part.

Do you have the right data to answer that question?

Question: Have you identified and reduced bias to a minimum?

Do you know how you'll measure success?

Question: How good must the predictions be, to make the process a success?

Speak to someone about RPA/AI.
At HMRC, Ash Chadwick
ash.chadwick@hmrc.gov.uk

At DWP, Rachel Parks-Szymborska -
rachel.parks-szymborska@dwp.gsi.gov.uk

Speak to someone about RPA/AI.
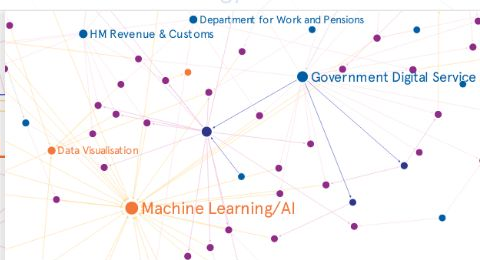At Cabinet Office centre of excellence
for RPA:

RPACofE@cabinetoffice.gov.uk

Other start points...

Would you or one of your team consider the Data Science Accelerator?

Have you looked at the Emerging Talent Development programme?

What else is happening in Government?

Department for Business Energy and Industrial Strategy

Block Chain

Wearables

Ministry of Defence

Food Standards Agency

Distributed L

Department for Transport

Home Office

NHS Digital

Department for International Trade

Biometrics

Driver and Vehicle Licensing Agency

Thurrock Council

ed Reality

Department of Health and Social Care

Deep Learning

Department for Work

Voice Recognition

HM Revenue & Customs

orporation

Intelligent Personal Assistant

Image Recognition

Graph Database

Mobile Apps

Care Quality Commission

urvey

Data Visualisation

Big Data

Graph Commons

Department for Work and Pensions
HM Revenue & Customs

Government Digital Service

Data Visualisation

Machine Learning/AI

Government Innovation and Emerging Technology network graph

By matthewgregory, nicksmith
Updated 22 days ago

The underlying data was collected by the Government Digital Service

... more

Nodes

141 Project
Size by Degree Centrality

58 PublicOrganisation
Size by Degree Centrality

41 PrivateOrganisation
Size by Degree Centrality

27 Technology
Size by Degree Centrality

11 Programme
Size by Degree Centrality

Publication

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