Explainable AI in Lending

Encode Club - AI Hackathon 9 March 2024

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🞧 xai-in-lending

Structure

- **Motivation:** Why does explainability matter? (5 mins)
 - o Consumer
 - o Regulation
 - Lender
- **Deep Dive:** Credit risk model building (20 mins)
- Q & A (5 mins)

A true story about applying for a credit card



AI Comic Factory

Incoming new AI regulation in the UK and EU



"Explainability refers to the extent to which it is possible for relevant parties to access, interpret and understand the decision-making processes of an Al system"

"An AI tool assessing the creditworthiness of loan applicants is trained on incomplete or biased data, leading the company to offer loans to individuals on different terms based on characteristics like race or gender"

EU Al Act: first regulation on artificial intelligence

"Al systems used to evaluate the credit score or creditworthiness of natural persons should be classified as high-risk Al systems since they determine those persons' access to financial resources or essential services such as housing, electricity, and telecommunication services'

"Al systems used for this purpose may lead to discrimination of persons or groups and perpetuate historical patterns of discrimination, for example, based on racial or ethnic origins, gender, disabilities, age, sexual orientation, or create new forms of discriminatory impacts.."

UK AI Policy Paper EU AI Act

Lenders benefit from explainability











Customer Communication

CREDIT RISK MODEL BUILDING!Tai-in-lending