1. Record Nr. UNINA9910869158103321 Autore Alnoor Alhamzah Titolo Explainable Artificial Intelligence in the Digital Sustainability Administration: Proceedings of the 2nd International Conference on Explainable Artificial Intelligence in the Digital Sustainability Administration (AIRDS 2024) Cham:,: Springer,, 2024 Pubbl/distr/stampa ©2024 **ISBN** 3-031-63717-8 Edizione [1st ed.] Descrizione fisica 1 online resource (404 pages) Lecture Notes in Networks and Systems Series; ; v.1033 Collana Altri autori (Persone) CamilleriMark Al-AbrrowHadi A ValeriMarco BayramGül Erkol MuhsenYousif Raad Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Intro -- Preface -- Organization -- Contents -- Explainable Machine Nota di contenuto Learning for Real-Time Payment Fraud Detection: Building Trustworthy Models to Protect Financial Transactions -- 1 Introduction -- 2 Literature Review -- 3 Methodology -- 3.1 Data Preprocessing -- 3.2 Selection of Features -- 3.3 ML Algorithm Selection -- 3.4 Explainable/Fraud Detection Model Evaluation -- 4 Dataset Exploration and Description -- 4.1 Exploratory Data Analysis -- 4.2 Bivariate Analysis: Transaction Type vs. Fraud Occurrence -- 4.3 Transaction Type Distribution -- 4.4 Distribution of Fraudulent Transactions -- 4.5 Dataset Analysis Implications -- 4.6 Multicollinearity Analysis -- 4.7 Methods to Detect and Address Multicollinearity -- 4.8 Analysis of Variance Inflation Factor (VIF) Results -- 4.9 Handling Imbalanced Data -- 4.10 Feature Importance in Fraud Detection Models -- 5 Results and Discussion -- 5.1 Category 1: Training and Testing Model

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