Fraud Prediction with AWS Cloud aws





393K

393,207 instances of credit card fraud in the US in 2020



\$300M

Victims and banks lost over \$300M



+ 48%

an increase of 48% year over year

Data Processing WorkFlow





Amazon SageMaker



amazon QuickSight

Data Storage

Predictive modeling Machine learning

Data visualization Dashboard creation

Why AWS?

Public Cloud

Machine Learning Focus

All-In-One Corporate Suite Breadth of Service

Customer Profile























Benefits



 Scalability, security, access controls, backup and recovery



- Develop models in Jupyter using Python or use SageMaker's autopilot to fine-tune automatically
- Create shareable endpoint to connect additional data services
- Intuitive GUI
- Easy connection to S3, Sagemaker, and more
- Auto-scaling compute resources
- Servers managed by Amazon for easy maintenance
- Built-in security and access controls

Group 7



Jacob Braun <u>braun523@umn.edu</u>



amazon QuickSight

Grant Barland barla049@umn.edu



Shu Yun Liu iu01727@umn.edu



Ravi Hasyagar nasva002@umn.edu



Huiyuan Xiong xion2190@umn.edu



Jiayi Wang wan00324@umn.edu