## **Smartphone Financing – Credit Scoring Model Design**

#### Credit Scoring for whitelisting customers

- Exploratory Data Analysis EDA (Python)
- Feature Engineering Dimensionality reduction (PCA)
- Self supervised: Customer segmentation (KMeans, SOMs, t-SNE)
- Supervised machine learning: Classification (Light GBM, Random Forest, SVM)
- Credit score mapping, limit calibration and assignment

### Technologies and languages used

- Model design (Python, Scala, Go Lang)
- Deployment On-premise: (Kubernetes, Play framework, Akka Actor model, Kafka, Redis, MongoDB)

### Target Base

- Qualified/Target Base (~65% whitelisted)
- Control group (~7% from active base)



# Thank you!