

DIRECTED RISK RESEARCH PROBLEM STATEMENT

Risk Theme	Quantitative risk	Problem Nr.	PS19002
Client Name	Ansone Human	Client Org.	MTN
Designation	Analyst: Quantitative Risk		
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PROJECT TITLE: Investigation in methodologies to build fraud models for telecommunications

PROJECT GOAL

MTN is interested into the investigation of developing fraud models to mitigate future risks of fraud events occurring.

HIGH LEVEL DESCRIPTION OF PROBLEM

Every year the telecommunications industry suffers huge losses due to fraud. Mobile fraud, or more generally telecommunications fraud, is the use of telecommunication products or services with the intention of illegally acquiring money from or failing to pay a telecommunication company or its customers. MTN is interested into the investigation of developing fraud models to mitigate future risks of fraud events occurring. The aim of these models is to surprise the fraudsters before they surprise the telecommunication operator by identifying fraud at the time of application.

PROJECT OBJECTIVES

The objectives of this project are:

- to investigate methodologies to build fraud models for telecommunications.

OUTPUTS REQUIRED

- A paper that assesses possible methodologies to model fraud for telecommunications companies.

STRATEGIC VALUE TO DIRECTED RISK RESEARCH

Strategic benefits that telecommunications providers can use these models to profile customers, isolating fraudulent applicants.