



Job Description

JOB TITLE:	Digital Portfolio Analyst
DEPARTMENT:	Portfolio Management
JOB HOLDER:	
REPORTS TO:	Senior Algorithmic Portfolio Manager/Algorithm Engineer/Senior Data Engineer

Purpose of the Job:

Working within the Portfolio Management team, focus on the build and enhancement of the suite of machine learning algorithms that underpin Ki.

Principal Accountabilities:

- Work with the Portfolio Management data scientists, actuaries and data engineers to maintain and develop a production grade algorithm for Ki.
- Work with the Portfolio Management actuaries and data engineers to research and develop cutting edge techniques and understand how they can be embedded into the core Ki algorithm.
- Continually assess the current machine learning models underpinning the Ki algorithm and identify opportunities for improvement.
- Refine and develop Ki's data monitoring and model monitoring capabilities
- Explore the use of external data sets to drive improvements to Ki's algorithm and data processes.
- Work with other Data Scientists in the team to explore new ideas and emerging machine learning approaches and technologies.
- Support the Ki Algorithm Engineers and Ki Data Engineers in building and maintaining the infrastructure and software required to evolve the Ki algorithm.

Regulatory Conduct Rules

1. Act with integrity.
2. Act with due skill, care and diligence.
3. Be open and co-operative with Lloyd's, the FCA, the PRA, and other regulators.
4. Pay due regard to the interests of customers and treat them fairly.
5. Observe proper standards of market conduct

Education, Qualification, Knowledge, Skills and Experience:

- Bachelor's Degree or higher in a STEM field.
- Experience in the same or related role.
- An understanding of Machine Learning approaches and when they are best utilised.
- Comfortable working in Python.
- Experience with common machine learning frameworks (e.g. scikit-learn, TensorFlow, etc.)
- Experience in SQL would be an advantage
- Some knowledge of financial services, especially insurance, would be helpful.

The applicant must also demonstrate the following skills and abilities:



- Excellent communication skills (both oral and written), especially in sharing technical concepts with broader audiences
- Pro-active, self-motivated, and able to use own initiative
- Excellent analytical and technical skills
- Ability to quickly comprehend the functions and capabilities of new technologies

As a term of your employment you may be required to undertake such other duties as may reasonably be required of you in the post and department mentioned above.

Signed by the Employee:

Employee Name: Date: