**Company: Admiral Group**

**Contact: Dafydd Marsh**

**Briefly describe the idea or problem and discuss why this project is relevant and timely.**

Within Admiral we use Credit Data for decision making, however, we do not have valid credit data for all customers. In this project we would like to use standard policy variables to predict what a customers Credit score would be so that we can use this model for decision making when we don't have valid credit data for a customer.

**What are the specific aims of this project?**

Produce predictive model targeting customer credit score which can be used in production. The base file will be created prior to the placement so the project will focus just on the model building.

**What specific methodologies/skills/software are most important for this project?**

The model will be built in R using Kubeflow notebooks on the Google Cloud Platform. The final model will need to be a GLM due to its method of deployment. Some SQL coding in Google Big Query will also be required.

**Do you envisage any barriers that may impact on the objectives of this project? For example, availability or access to data based on the current pandemic/working from home.**

We anticipate this project to be 100% working from home. If government restrictions change to a degree where our offices fully re-open then this may change but we see this as an unlikely scenario at this stage. Even when offices can reopen it will be a slow phased approach to increasing the number of staff in our offices.

Remote working can provide challenges in getting access to Admiral's systems but we our expectation is we would be able to provide access from the start of the placement.

**Are there any eligibility requirements to undertake this work?**

Experience in coding languages R and SQL.

**Is the project suitable for a part-time student?**

No