Hastings Direct

Exercise Brief:

Candidates

Attached is a sample dataset of quotes for motor insurance returned by Hastings Direct, typical of what we consider in our processes. Using coding software of your choice, the task is to explore, cleanse and analyze this dataset, and to then build a model to predict how much we should charge each customer.

You are at liberty to use whichever technique or algorithm you find most appropriate to tackle this task. You will present an **uninterrupted** summary of your work, again in any format you prefer, for no longer than 20 minutes. Additional time will be used for questions and discussion. This stage of the interview should take no more than 30 minutes total.

Areas to which you should pay particular attention to in your summary are:

* Data exploration – What are the most interesting features in the dataset? What have you considered, and can you justify your decisions?
* Data Preparation: What are the Data quality issues you performed to ensure the integrity of the data?
* Modelling – What process did you follow when modelling? How have you designed your model and what assumptions have you made?
* Conclusions – What are your main findings? What else would it have been useful to know?

Bear in mind that you will only have 20 minutes of presentation time so being succinct is important.

To help prevent problems relating to email filtering that may delay receipt of your submission, please compress your materials using something other than Windows zip (e.g. 7zip) before attaching.