I would like to offer the job with following details. Please note that this job consists of different tasks over the coming days and task requirements will change from one task to another.

**TAQ Task**

1. **Introduction and Understanding of TAQ**

**Task Objectives:** To come up with detailed understanding and complete plan to execute all the codes shared with you already and replicate those codes at my end. Gaining understanding of accessing WRDS though SSH client and dealing/working with datasets.

**Task Outcome:** You will be sharing a detailed document containing step by step instructions with screenshots and highlighting important points about the code and TAQ data and your final plan to execute the list of tickers and dealing with issues. I should be able to replicate all the instructions. Please note that I am not an expert in SAS and neither worked with WinScp or Putty. So I expect you will share all the important points necessary to deal with this kind of data.

**Task Details:** For this task you will be working with Trade and quote database of WRDS. Following are the task requirements:

1. Read document WRDS Overview of TAQ and make sure you understand the database clearly. I assume that you have already done that yesterday.
2. Develop a step by step instructions file which can be easily replicated on my machine. The instructions should include the following and all other necessary steps:
   1. Connecting with WinSCP and PuTTy.
   2. Carrying out batch tasks with SAS.
   3. Locating work directory and creating folders etc in the WRDS cloud.
   4. How to connect with TAQ?
   5. How to execute the steps mentioned in DTAQ Cholden file?
3. I have already shared a list of Tickers to work with TAQ. Using those tickers make sure we can work with large dataset.
4. Our sample period is from 2012 – 2016 for those stock tickers provided in the list.
5. This is your responsibility to make sure that we can manage and work with this large dataset since I am not familiar with SAS.
6. You will explain the difference between SAS Dow Loop and CHolden code for matching/merging.
7. The instruction file should contain the screenshots of all the steps mentioned.

**Note:** As per my understanding SAS Dow Loop is working with WCT files and CHolden code is working with NBBO files. Not sure though. So please go through the details and understand the difference and write that difference in the instructions file.

**Allocated Hours:** You will be offered 1 extra hour for reading the details and understanding for today and 1 extra hour from yesterday (2 Hours Total). You will NOT be allowed to log hours manually other than the hours mentioned. It is expected that you will complete the report in 2-4 hours’ time. So overall, you will be paid for up to 6 hours (2+4) for this task today.

**Deadline:** This task needs to be completed tonight by 9 PM GMT. Any issues with the replication of steps will be fixed to make sure there are no errors.

Hourly rate for this task will be $15.

1. **TAQ Code Execution**

**Task Objectives:**  To execute the SAS code in CHolden and make necessary changes in the code. You will update the SAS code file and annotate the file completely so that the job can be replicated easily at my machine. There will be changes in the code which I will keep sharing with you during the process.

**Task Outcome:** A detailed SAS code which is completely annotated and clearly written which meets our requirements (containing all new variables). I should be able to replicate the code with that list of stock tickers.

**Task Details:** We will start with that list of tickers. Create working directory/folder. Complete the merging/matching and cleaning for all the tickers and generate certain variables. I will work with you simultaneously.

This task will be performed on ***Monday 30 April 2018 at 4 PM GMT***. Please confirm the time.

**Allocated Hours:** After completing the task 1 we already have a plan. We will execute that plan. We will use automatic time logging and you will be paid by the actual number of hours spent by you on this task.

After this task we will be done with TAQ task. However, there may be few more queries related to TAQ in the coming days.

**Note: Rest of the tasks will be dealing with merging and matching different other databases creating some graphs in SAS and then doing some analysis as well. Your contract will remain open for at least one month and we will continue working on different tasks. Before the start of every task I will provide you details like this task.**

**For the next tasks your hourly rate will be fixed at $13.**