Dear Candidate,

Thank you for spending your valuable time with us during the Logitech interview. We are happy to announce that you have been shortlisted for the next phase of our hiring.

Attached below is some simple mock up data. The intention is a simple analytical exercise for you, to enable us to assess your coding and analytical skills.
You are not expected to spend more than 2 hours on this assignment.

What we are looking for:
1. Ability to visualize and provide insights on the data provided.
2. Ability to code, wrangle data in the language of your preference (it can be either R or Python, R preferred).
3. Ability to work with unclean data.
4. Maturity in coding style.
5. Critique solution and offer next steps, if any.

Task Overview

1. **Data exploration**: Look into the data and tell us about your findings. For instance, one finding might be around yearly growth rates, but it's up to you to identify interesting information. Graphs that complement this are welcomed.
2. **Forecasting**: Please create a 12 month forecast for some of the most important product categories. You are again free to choose one or several forecast algorithms.

Data File Details

- The attached csv file contains monthly sales data for various product categories/regions. The data is not from Logitech but an external data source and randomly modified. We still require that you treat this information confidentially and do not share it with anyone. Please delete the data once the recruitment process is terminated.
- You can freely choose the technical tools you use for the analysis, with a preference for R.
- The data is almost but not entirely clean, so please check data quality first.

Submission

1. A summary document containing your findings for the data exploration, charts of your forecasts and a description of your forecast method(s).
2. The various scripts you used for the assignment.
3. A csv file containing the forecast data.

Please provide us with this information by _____.