KTP Exercise

Congratulations on making the short list for our position.

The next stage of our process is to ask you to complete a short exercise to assess some of your technical skills which will be required for the position.

We have tried to design an exercise which includes programming, data preparation and model building. These are they key technical skills required for your research.

You will have been sent, along with these instructions, a zip file containing a data set from Kaggle.

1. We have sent 220 resumes which are stored as json.
2. Each item of json contains the text content of the resume, as well as a collection of annotations which are labelled.
3. We would like you to prepare the data:
    a. Trim and clean the text of special characters
    b. Using breaks, commas or spaces, attempt to separate the annotations into individual skills
4. Create a model which attempts to group and score the resumes in these categories: testing, development and management.
    a. You may use any data, but skills, qualifications and job titles will be most relevant.
5. Output a table of the index of the resume and the three values for testing, development and management.

6. Please upload your work to GitHub with history or send us a Jupyter notebook. Please email the link to Cat Tate C.Tate@kent.ac.uk by the end of the day (Anywhere on Earth) **Tuesday 31st May.**
7. If this causes you problems, please contact Cat Tate as soon as possible. Please include any instructions to run/build in a README.md in the repo or in your submission email.
8. The assignment should take up to 2 hrs.

We hope you enjoy the exercise and look forward to reading them and discussing them at interview, should you proceed to the next stage of the recruitment process.