David Rodrigues - Entering the Job Market

Part 1: Practical Task 1

Pitch for business

Introduction

I am taking the Data Science skills bootcamp where I am using Python to build machine learning models and analyse a variety of datasets so that I can provide actionable intelligence. These skills will support my transition into becoming an independent consultant focusing on the health, wellbeing and voluntary sectors. There are many opportunities for work in these areas including:

Social Prescribing

Social prescribing occurs when a patient is supported to improve their health and wellbeing through participating in prescribed activities within their local communities, for example, taking art classes or participating in volunteering. These community schemes are wide in scope, cater to a diverse demographic and target a broad range of health outcomes. I will use a mix of machine learning models such as multivariate regression, and neural networks to support evidence based evaluation of these schemes and predict the efficacy of new projects based on a common framework that includes a normalised measure of economic impact. This independent and impartial data-driven analysis would be of key interest to multiple stakeholders including: voluntary sector providers, local governments, charity funding bodies and clinical commissioning groups.

Wellness modelling

The discretionary health and wellbeing sector is a multi-billion pound industry, and there are many apps that seek to aid with various aspects of wellness, for example nutrition (Chronometer), sleep quality (Sleep Cycle), exercise (Caliber/FitBit), and meditation (HeartMath). I will work with existing app developers to build an analytics dashboard that combines data from multiple sources and utilises techniques such as K-means clustering and logistic regression to visualise where the user currently sits in terms of their overall wellbeing and the actions that they should take in order to progress. For example, someone who is strong in the areas of nutrition and exercise may need to improve the quality of their sleep or to begin a meditation practice. This type of solution will be of interest to a wide variety of potential stakeholders including sports coaches, treatment centres and human resource professionals.

Conclusion

The skills that I am learning on the Data Science bootcamp are providing me with a whole new array of potential entrepreneurial opportunities and I have barely scratched the surface

with the above proposals. I am also interested in applying my new found machine learning and predictive modelling skills to areas including finance (portfolio optimisation and algorithmic trading), insurance (anti-fraud detection) and energy (predicting customer usage and modelling wholesale pricing).

Part 2: Practical Task 1

LinkedIn Profile - https://www.linkedin.com/in/davidjohnrodrigues/

I will continue to update my profile as per the Rubric for the LinkedIn profile assessment

Part 2: Practical Task 2

Link to tracker spreadsheet -
David Rodrigues Job Interviews/Pitch Opportunities Tracker

Thank you for your application 📤

Shinjini Sur <candidate-0822b859b866@lumerate.breezy-mail.com>   15:18 (2 minutes ago) ☆ ☺

to me ▼

Hi David,

Thank you for your interest in the Data Analyst, Life Sciences role with us at Lumerate. Your application has been successfully received.

We're reviewing applications on an ongoing basis, and we'll reach out to you via email should we wish to schedule an interview.

All the best,

Talent & Culture @ Lumerate