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To whom it may concern,

I am writing to apply for the two following courses: "Foundations of Social Data Science" and "Applied Analytical Statistics".

I am a fourth year DPhil student in Sociology. I am eager to get more teaching experience this year. I have a lot of experience in manipulating data and performing statistical computation, mainly using R. However, I followed a course on Python some years ago and I understand the basics of the Numpy and Panda syntax, which is fairly similar to R now.

My greatest strength is my experience working with data. I have a good knowledge on how to process and prepare data for statistical computing. For instance, I am familiar with Multiple Imputations or Preprocessing via Matching. I developed a statistical interest in Sequence Analysis (dissimilarity distances, e.g. Optimal Matching) and in Clustering techniques. I am also very interested in Big Data, and I used extensively the Oxford Advanced Research Computing facilities for one of my recent paper published in PNAS.

I think that I am an interesting candidate because of my double interest in social science (sociology) and in data science and my knowledge on how to combine the two.

I am looking forward to hear from you. If you have any questions please do not hesitate to contact me.

Yours faithfully,

Giacomo Vagni

Attached: curriculum vitæ