**Data Science for Policy – Independent Project**

You are asked to carry out an independent analysis on **rising energy prices and their effect on households in Great Britain and use this analysis to derive recommendations for informing policy**.

A good starting point could be to use the information and described data sources from this article to carry out your analysis: [Energy prices and their effect on households - Office for National Statistics (ons.gov.uk)](https://www.ons.gov.uk/economy/inflationandpriceindices/articles/energypricesandtheireffectonhouseholds/2022-02-01).

This can be broken down into three main sections to explore:

* Rising cost of living
* Rising fuel costs
* Impact on lower income households

The challenge is to put forward a clearly defined research question related to this topic and look to carry out appropriate analysis to draw meaningful conclusions.

To complete this task, you can utilise any of the knowledge and skills you have gained on the programme thus far and look to apply the methodology of your choosing.

The main aim of this task is to give you an opportunity to put your skills into action on a real project and for you to obtain feedback on your approach from the Faculty team. This feedback will help you continue to develop your skills and identify areas for future development.

This is a great opportunity to showcase how far you have come in the last year and we will also be sharing our feedback with your Line Manager.

In order for us to provide useful feedback you are required to both share your code of your analysis and also one form of “project summary”. The project summary can be in a range of formats including a live presentation (5 minutes), a short-written report (2 pages), a live code demonstration (5 minutes) or a pre-recorded video of any of the above.

The project summary should outline your research methods and findings. You should include detail on how you approached the task, any tools and software utilised and how you chose the appropriate methodologies for analysing the data.

It should then also highlight a set of recommendations for informing policy around the cost of living crisis.

You are required to submit your files by 2pm on Thursday 8th September to [data.science.campus.faculty@ons.gov.uk](mailto:data.science.campus.faculty@ons.gov.uk) including your notebook containing your code or a link to your GitHub project. Please contact the Faculty team if you require any further assistance.