Technical Exercise – Data Scientist

**The scenario**

* You have been asked to produce a briefing on anti-social behaviour to help support an upcoming campaign seeking to address residents’ concerns about nuisance behaviour and improve positive perceptions of safety ahead of Halloween and bonfire night.
* You have been provided with historical data on street level crime in Surrey and additional demographic data at ward level for the whole county.

**The task**

**Prepare a written briefing to answer the following:**

1. **Which factors best predict anti-social behaviour?**
2. **Data were missing for the St. John’s ward in Woking due to a recording error. Given what we know about the demographics of this area, can you predict the level of anti-social behaviour it might experience?**
3. **A councillor has raised specific concerns about the Walton area of Elmbridge. Given recent trends, can you predict whether this area is of notable concern for the coming months?**
4. **Briefly, what actions might you recommend based on all the above?**

* To support your answer, please include documentation or evidence of the methods, steps, and tools you have used.
* You may access additional data if you would like.