STINT

Interview Task

Context

Stacy works for a restaurant group as an Area manager, and has been tasked with improving labour deployment across her sites in Central London, particularly during busy meal periods.

She has collected the headcount staffed at different meal periods across sites, and the respective sales generated in 2023. She is keen to use the data to determine the headcount that her sites should staff at each meal period going forward.

Attached you will find the information she has been provided with.

Additional Information

We would like you to create a model that would enable us to predict the ideal headcount for each meal period across each site.

Some things to consider:

- What is the optimal headcount? What does it mean?
- How would this differ from the perspective of a General Manager, a waiter for the restaurant and a Stint employee?
- Should the ideal headcount be at a group or restaurant level?
- How does the model perform when there might be potentially fewer or less clean data? Some customers may not have extensive data records - how might we overcome this issue?

You will be asked to break down your model and explain any decisions and steps taken in a way that can be understood by non-technical colleagues, such as commercial stakeholders.