CASE ASSIGNMENT

INTRODUCTION

Congratulations on progressing to the next stage of our interview process! For key positions, we employ a scenario-based exercise to assess our high potential candidates on required competencies.

This assignment is designed to further assess your suitability for a role in the Data & Analytics department. Specifically, this exercise seeks to understand your problem-solving approach and working style.

Good luck and thank you for taking the time to complete this exercise!

INSTRUCTIONS

- The following page outlines the scenario

- Prepare a 20-minute presentation, followed by a Q&A, to discuss your approach and rationale with one or more Aritzia team members

- You may use any personal knowledge and/or additional industry research to answer the outlined questions

- You may <u>not</u> ask Aritzia employees (store or otherwise) any questions as part of your research

- Please submit your response via email 24 hours before your presentation

Please note: It is prohibited to use AI technology, such as GPT, in your responses and/or presentation as part of this assessment. Any such use of AI technology will result in the withdrawal of your application, and you will no longer be considered for this position at Aritzia.

SCENARIO

Aritzia provides Everyday Luxury for our customers. The speed of packaging our high-quality products and materials is an important part of this. To continue to provide everyday luxury service to our customers, we need the ability to measure and model our packing performance in our distribution centers (DC).

We want to calculate a pack KPI for each worker at our DC by measuring the time it took them to pack each transaction and compare this to how long it should have taken them based on the Packing Time Standards.

The business requires an overview and visibility on key metrics and trends.

The data provided (REF Case Assessment – Data Visualization Engineer R01) includes the following:

- Transactions
  - A list of orders each user packed
  - Packing transaction are of type PKOCLOSE
- Article Master
  - A list of articles with their respective departments
- Packing Time Standards
  - Time standard for each operation at the packing station

The data is simulated but its structure resembles the typical data measured in packaging.

ASSIGNMENT

Create a presentation covering the following, adding other sections you feel are necessary:

- Identifying Insights:
    - After familiarizing yourself with the data, choose something to analyze and identify an insight you feel is important to share with a stakeholder

- KPI Reporting:
    - Select a KPI for packing and define a metric to measure it
    - Using the data, present on KPI performance considering Actuals and Targets
    - A stakeholder would like to review KPI performance regularly. Wireframe a dashboard to assess KPI performance assuming a live data feed connection

- Modeling and Recommendations:
    - Assume we have a new dataset indicating future demand for the pack function with expected orders by day and by department (e.g. Pant, Neckwear)
    - Describe a simple model that can be used to indicate how many Packers to schedule on a given day

- Team Leadership and Stakeholder Facilitation:
    - Consider how you would engage with stakeholders over the process
    - Please submit both your presentation and your working files based on the technology used to complete the assignment (e.g. Excel or Python scripts), as well as potential SQL queries you might use to find and manipulate data.

THANK YOU