# Technical Take Home Assessment

Directions : This analysis is due 48 hours after it was received, and your tableau workbooks would be required to be submitted. Please note that you would likely be asked to walk the interviewers through your analysis.

Dataset attached: Sample_Employee_Termination_Data
The data contains
- employee id
- employee record date ( year of data)
- birth date
- hire date
- termination date
- age
- length of service
- city
- department
- job title
- store number
- gender
- termination reason
- termination type
- status year
- status
- business unit

This question focuses on **exploratory** and **predictive** analysis on Tableau. Please note that the below questions are meant only to serve as pointers for the exploration and you are encouraged to think beyond them.

1. Create a tableau storyboard with the attached dataset. Please provide answers to the following in your visualization:
    a. What is the attrition rate over time per different attributes, such as gender, age and job_title?
    b. Does time served at the company impact the attrition rate?
    c. Does performance, job satisfaction and job involvement impact the attrition rate?

Q 2. How does attrition look like for company XYZ in the next year. Create a model to identify the current employees most likely to leave.

You may refer to this public [Tableau dashboard](#) for pointers on your story board and attrition model.