

# Pandas Assignment

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## Problem Statement:

Consider yourself to be Sam who is a data scientist. He has been approached by a medical insurance company to do data wrangling and find meaningful insights from the data.

## Tasks to be performed:

1. Start off by loading the 'insurance.csv' file and have a look at the type of object.
    - a. Have a glance at the first 5 rows and the last 5 rows of the dataframe. After that find out the number of rows & columns present in the dataset
    - b. Find out simple summary statistics on the dataset such as: mean, median, standard deviation, count, minimum & maximum values
    - c. Change the column\_name of 'bmi' to 'Body\_Mass\_Index' and find the correlation between 'age', 'children' & 'charges'
    - d. From the entire 'insurance' dataframe, extract all the rows from row number 500 to row number 1000 and extract only 'sex', 'children' & 'region' columns. Store the final result in 'insurance\_random\_set'
    - e. Sort the 'insurance' dataframe in descending order of 'age'
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