Hair Loss Prediction

# Team Members

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# Description of the Project

In this project, I will predict if a person is experiencing hair loss using different factors of health and medication. Getting older, my wife and I feel like our hair is beginning to fall out. I currently have feelings of baldness due to past medical experiences from eating disorders and chemotherapy. To help improve our hair health, I will find the highest contributing factors for hair loss. I will also use this data to classify whether or not a person is experiencing baldness. I will also consult with my wife, who is getting her Masters in Dietetics and Public Health, about nutritional factors that contribute to hair loss.

# Dataset

I will be using a dataset from Kaggle.com. The dataset can be found under “Hair Health Prediction”. The link to this dataset is “https://www.kaggle.com/datasets/amitvkulkarni/hair-health”. The dataset contains 1000 different people with medical information, personal attributes, and habits. This data also contains environmental, and past experiences with treatments and hair care. Baldness is the Target variable for this dataset. Each person is classified as yes experiencing baldness, or no not experiencing baldness.

# Implementation Plan

This project will be completed in three stages over the next 11-12 weeks:

1. Processing the data (4.5 weeks)
   1. We will do a comparison with each of the variables in the data. We will use regression to show which variables are most likely correlated.
2. Create Model (4.5 weeks)
   1. I will create a model to predict baldness in an individual using information gathered from the data processing.
3. Analysis and presentation (2-3 weeks)
   1. Analyze the results gathered from stages one and two. This will also be the time when a presentation or paper will be created based off of class requirements.

# role of Members

As the only team member, I will be completing all aspects of the project.