Fairness analysis in machine learning is an important step to ensure that the models we build do not exhibit unfair biases and discrimination against certain groups or individuals. We wanted to evaluate our data for age and gender bias.

* EDA: We evaluated our dataset for potential biases. We checked for imbalances in the data and considered one of the features ‘EJ’ for potential bias as this is the only non numeric feature among all the other features. We also considered ‘BN” could possibly be age values. Given that we do not have any specific information on this feature, we have decided at this time to keep the feature. If this was a feature that could have included bias, we would have considered removing or re-sampling such sensitive attributes to reduce the correlation between sensitive attributes and the target variable.

We understand that fairness analysis in machine learning is an ongoing effort and may require collaboration with domain experts, ethicists, and stakeholders to make well-informed decisions about fairness trade-offs in real-world applications. Additionally, we are aware of the legal and ethical considerations related to fairness, privacy, and bias in your specific domain and jurisdiction.