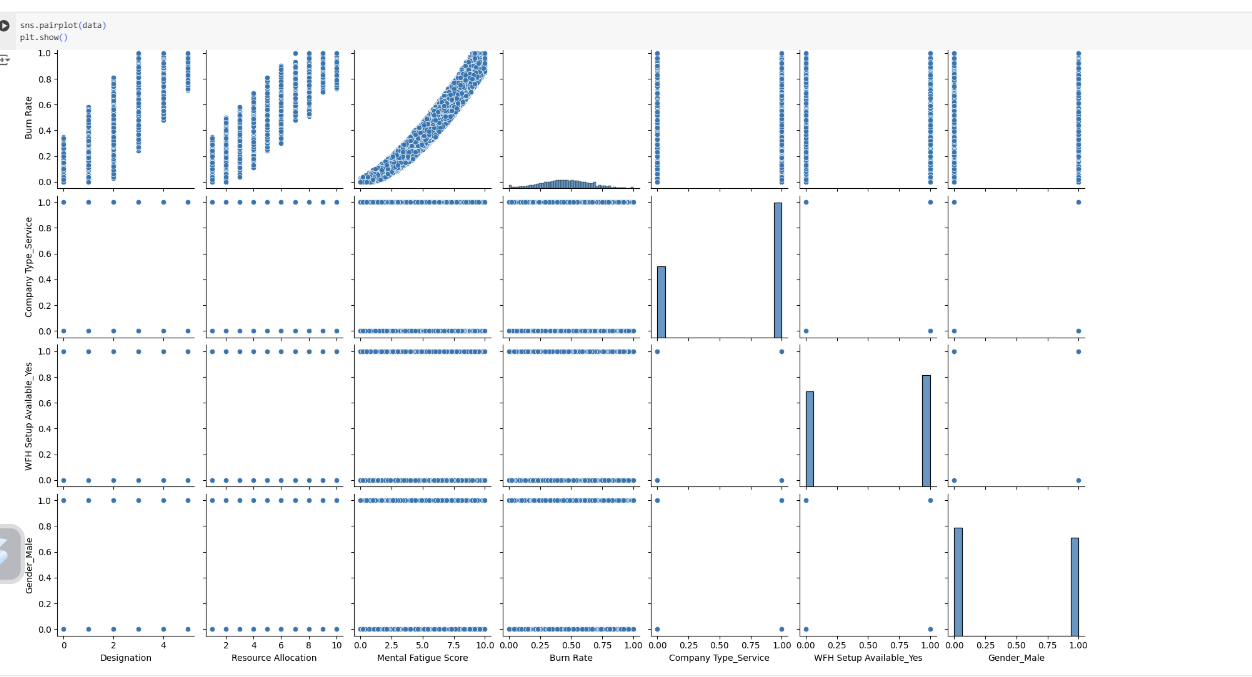
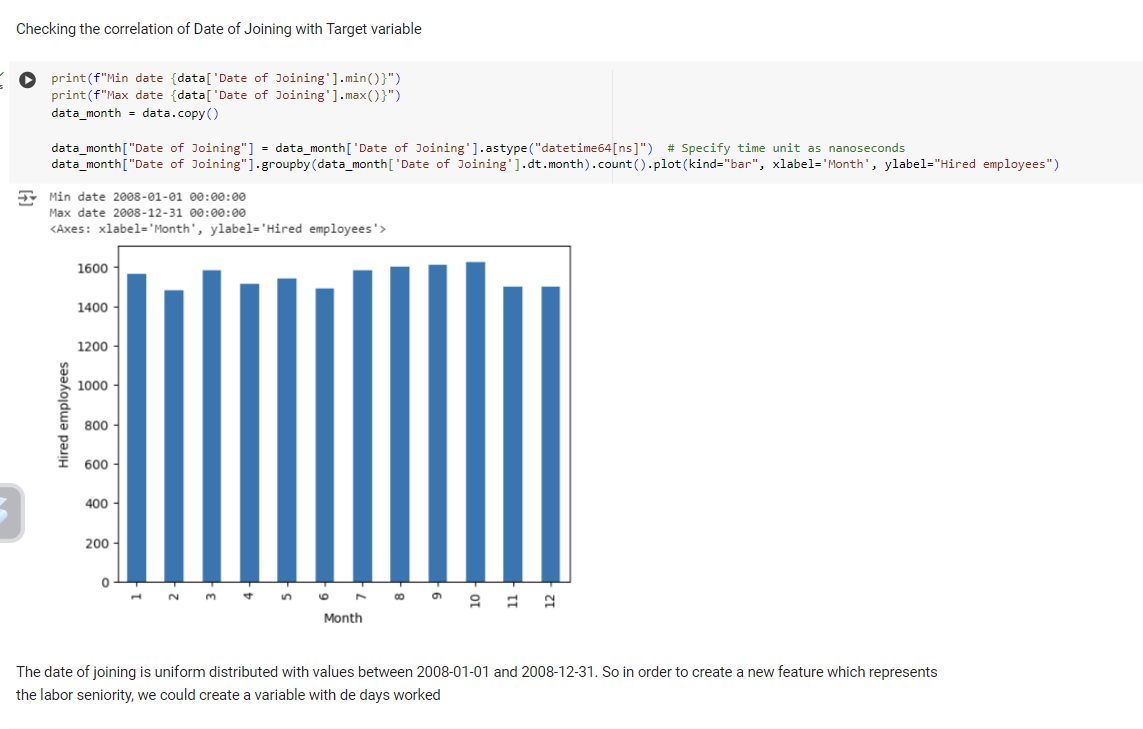
**Results of Visualization**

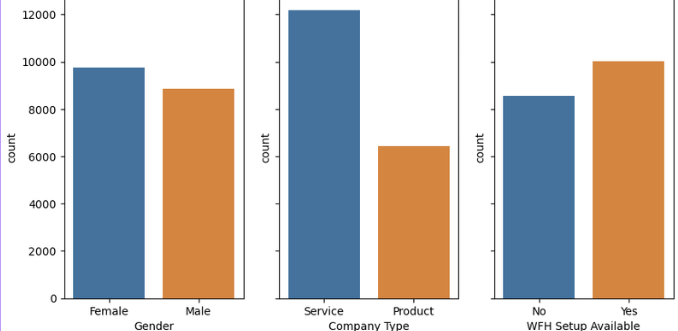
**Correlation between Burn Rate and other numerical dimensions**



**Number of employees hired each month**



**The observations for each category of all variables are evenly distributed, except for the "Company\_Type" variable, where the number of service jobs is nearly double that of product jobs.**



**Final Result**

Linear Regression Model Performance Metrics:

Mean Squared Error: 0.0031569779113610717

Root Mean Squared Error: 0.0561869905882231

Mean Absolute Error: 0.04595032032644773

R-squared Score: 0.918822674247248

Based on the evaluation metrics, the Linear Regression model appears to be the best model for predicting burnout analysis.

It has the lowest mean squared error, root mean squared error, and mean absolute error, indicating better accuracy and precision in its predictions. Additionally, it has the highest R-squared score, indicating a good fit to the data and explaining a higher proportion of the variance in the target variable.

So we are choosing this model for deployment.