Star classification task

Note:

Honestly speaking, there is not so much important information about this task. By the way, I tried to document as much as I could. Hope to be helpful!
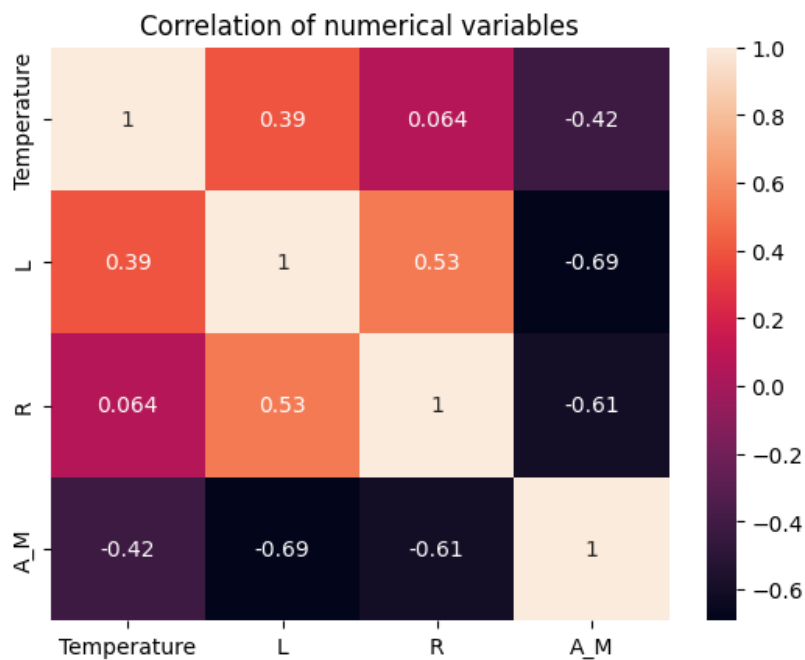
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Null values

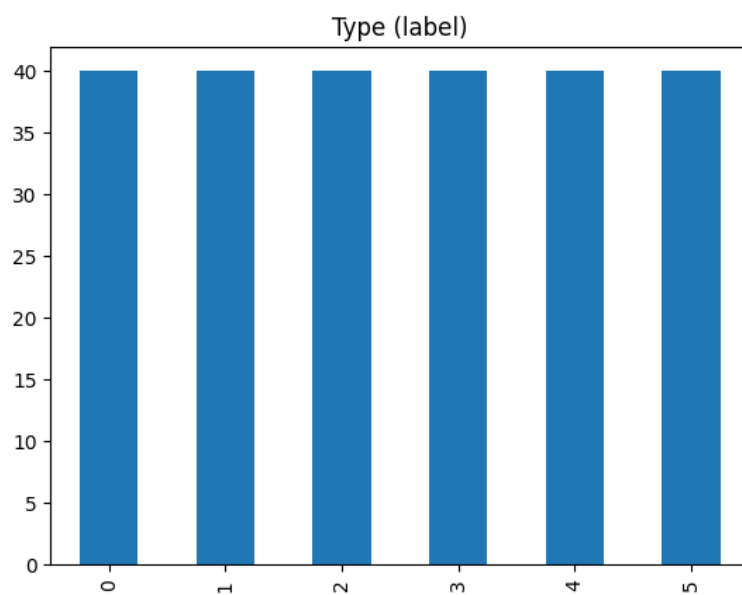Surprisingly, there is not any null value in our dataset!

Correlation of numerical values

As you can see, there are some good relationships between numerical variables. We have both positive and negative relations.

Correlation of numerical variables

Target

As the bar chart shows, our dataset is balanced in terms of the label.

Type (label)

Classification

Well :)
As you already know, this dataset is too easy to solve! There is not any complex pattern that wants to challenge us. We tried a variety of models, and in all of them, we got a high accuracy (around 98).

For hyperparameter tuning, I used the grid search method from the scikit-learn library.

Thanks for your time and consideration! :)