**Structure of the Article (keep it short)**

A personal story of how skipping EDA on dataset backfired that one hypothetical time lol

Talk about why EDA is important

Talk about pitafalls of NOT doing EDA

Intro to your project

Intro to the dataset that you’re planning to use

A few must know highlights of data. You don’t need to put everything.

Briefly touch on why we need to transfer data from long to matrix and how we can do that.

…………………….

**Why is EDA important in your ML Project?**

* **Data Quality Check**: EDA helps spot issues like missing values, outliers, or inconsistencies, ensuring your data is clean before modeling.
* **Feature Understanding**: It reveals relationships between variables, helping you identify important features and understand data distributions.
* **Bias and Assumptions**: EDA uncovers hidden biases and corrects false assumptions, ensuring you’re not making decisions based on faulty logic.
* **Better Feature Engineering**: By exploring the data, you can create better features, remove irrelevant ones, and apply necessary transformations.
* **Avoiding Mistakes**: It prevents costly errors like overfitting or misusing data, saving time and effort in the long run.
* **Domain Insights**: It provides business insights that can shape better model-building decisions aligned with real-world behaviors.