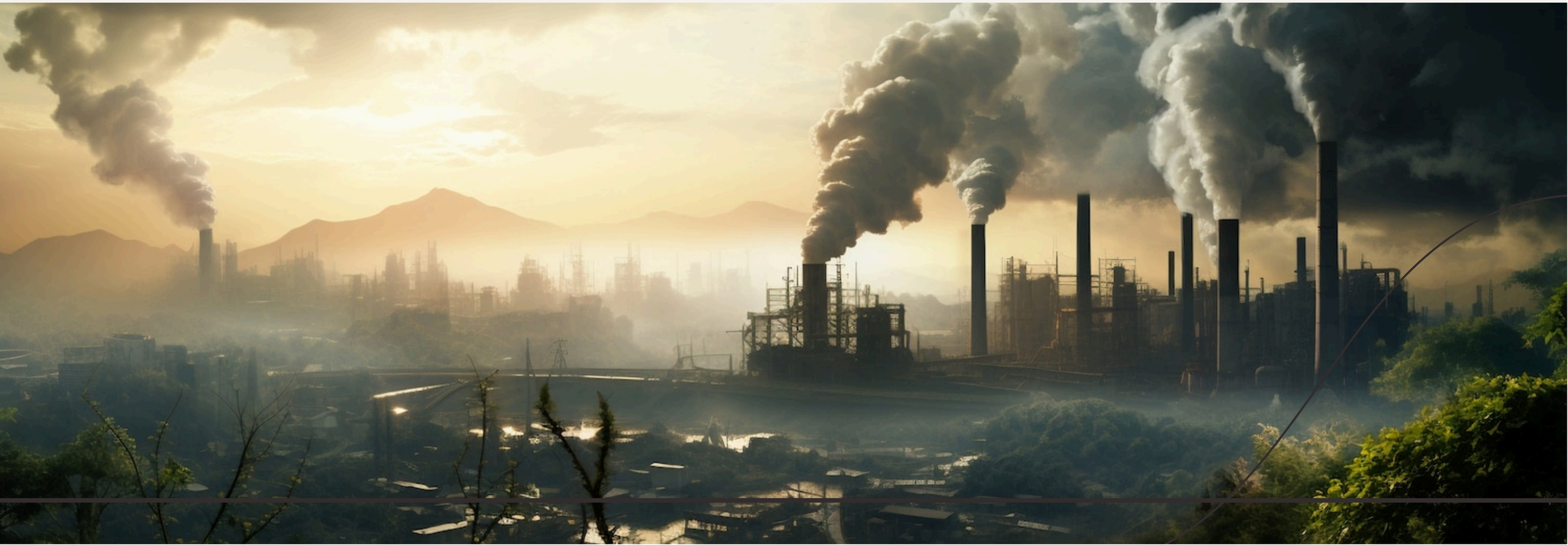
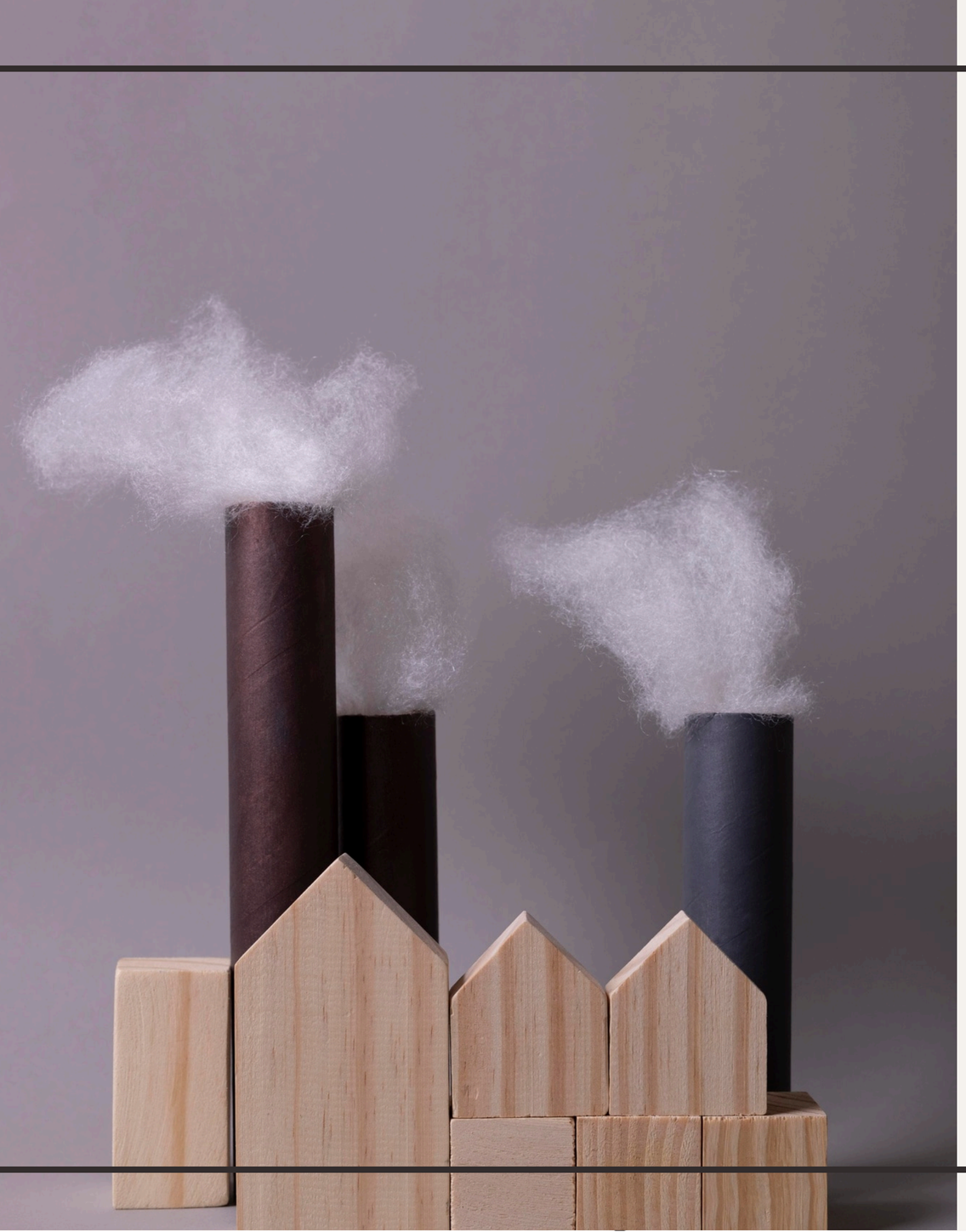
Exploring Air Quality: EDA and Linear Regression Analysis

Introduction

In this presentation, we will **explore** the **air quality** through **EDA** and **Linear Regression Analysis**. We will analyze the factors affecting air quality and build a model to predict it.

Understanding **PM2.5** and **NO2** levels is crucial for assessing air quality. We will delve into their impact on human health and the environment, and how they are measured.





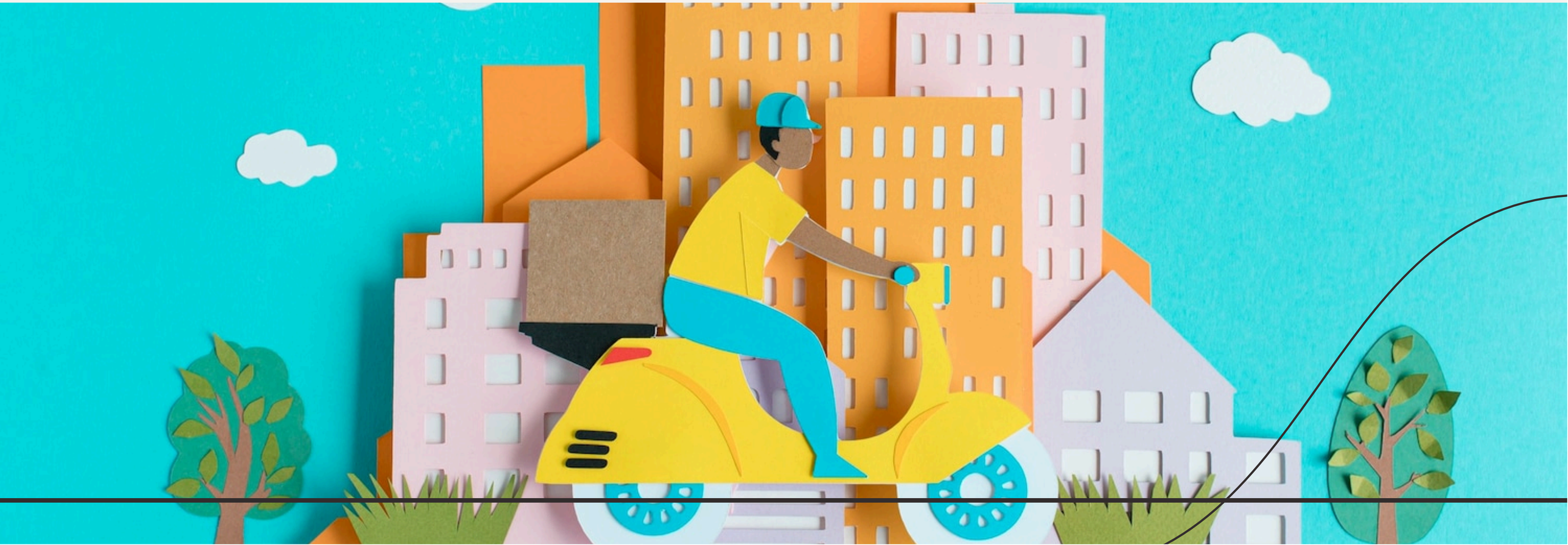
Exploratory Data Analysis

Through **EDA**, we will visually analyze air quality data to identify patterns, trends, and outliers. This will provide insights into the distribution and relationships of the variables.

Linear Regression Model

We will build a **linear regression model** to predict air quality based on various factors. This will involve understanding the assumptions, fitting the model, and evaluating its performance.

We will examine the impact of **traffic density**, **industrial emissions**, and **weather conditions** on air quality. Understanding these factors is crucial for effective air quality management.



Conclusion

In conclusion, our analysis has provided valuable insights into air quality. By leveraging **EDA** and **Linear Regression Analysis**, we can make informed decisions to improve air quality and protect public health.

Thanks!

Do you have any questions?
youremail@email.com
+91 620 421 838
www.yourwebsite.com
@yourusername