

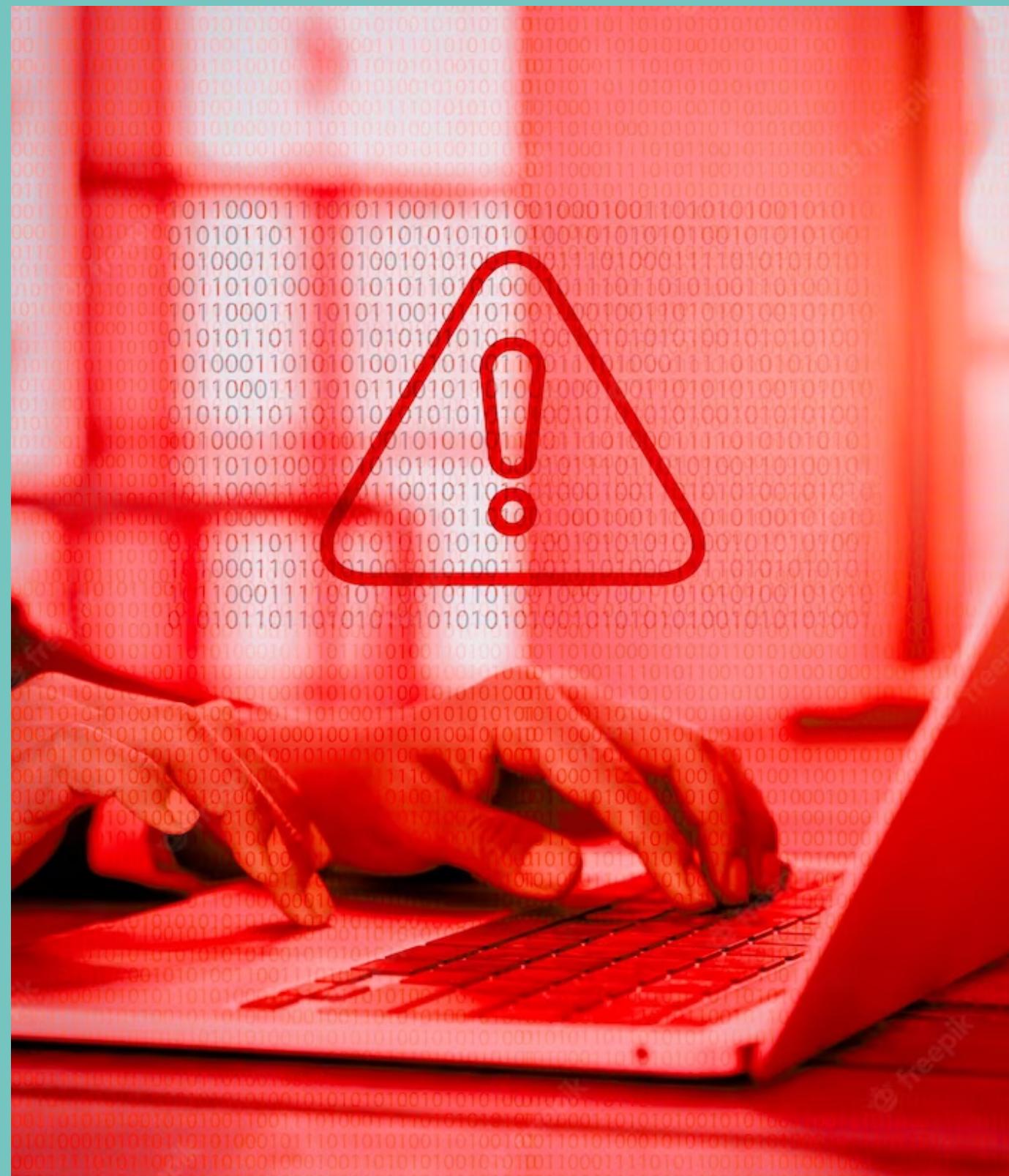
ANALYZING ABNORMAL PERIODS IN CYCLONE DATASET: INSIGHTS AND RECOMMENDATIONS

INTRODUCTION

Welcome to the presentation on *Analyzing Abnormal Periods in Cyclone Dataset: Insights and Recommendations*. In this presentation, we will explore the various factors that contribute to abnormal periods in datasets and provide valuable insights and recommendations to address these issues.



UNDERSTANDING ABNORMAL PERIODS



Abnormal periods in datasets can arise due to various reasons such as.

Data Preparation:

1. Loading the data from the Excel file
2. Handling data types and conversion (e.g., datetime)
3. Checking for missing values or outliers
4. Any other necessary preprocessing steps

DETECTING ABNORMAL PERIODS

Analysis Strategy:

1. Defining abnormality criteria (e.g., using standard deviations from the mean)
2. Selecting variables to analyze (e.g., temperature, draft)
3. Iterating over each variable
4. Calculating mean and standard deviation for each variable
5. Identifying abnormal periods based on the defined criteria





ANALYZING THE IMPACT- INSIGHTS

- 1.Presenting the abnormal periods for each variable
- 2.Showing plots of variables over time with abnormal periods highlighted
- 3.Discussing any patterns or trends observed in the abnormal periods
- 4.Mentioning the potential impact or implications of the abnormal periods

CONCLUSION

1. Summary of findings and key takeaways
2. Recommendations or further steps based on the analysis
3. Acknowledging limitations or areas for future exploration

